MGG 06115022

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 34.24' N

LONGITUDE: -169° 03.06' W

STATION NO.: 1

LINE NO.: 41

DAY/MONTH/YEAR

DATE: 14/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
X		

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Dredge #1	90 m	27 rocks	Wide Range	unknown

REMARKS:

Preliminary hand specimen identification indicates 10 volcanic sandstones, 2 volcanic breccias, 5 greywackes, 1 argillite, 6 basalts, 2 marbles and 1 limestone. Most are partly rounded cobbles and boulders. 1 fragment of volcanic sandstone probably was broken off the outcrop by the dredge.

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 34.65'-34.90' N

LONGITUDE: -169° 02.68'-02.88' W

STATION NO.: Dredge #1

LINE NO.: 41

DAY/MONTH/YEAR

DATE: 14/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
X		

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
DR1-1	90 m	6 x 8 x 10	Fine Greywacke	May have re-Xlized forams.
DR1-2	90 m	6 x 7 x 12	Greywacke	Well bedded.
DR1-3	90 m	3 x 4 x 11	Volcanic Sandstone	May be Metamorphosed.
DR1-4	90 m	9 x 9 x 11	Marble	Seems totally recrystallized.
DR1-5	90 m	6 x 8 x 11	Volcanic Breccia	May have granitic source in part.
DR1-6	90 m	5 x 5 x 7	Greywacke	
DR1-7	90 m	8 x 5 x 9	Olivine Basalt	Olivine Basalt with vesicles.
DR1-8	90 m	5 x 6 x 5	Greywacke	May be some re-Xlized forams.
DR1-9	90 m	2 x 10 x 13	Volcanic Sandstone	
DR1-10	90 m	2 x 4 x 6	Marble	

REMARKS:

Dredge haul Station 1, S6-77

Total Count (hand specimen descriptions)
1 argillite, 5 greywacke, 9 volcanic sandstones, 1 limestone, 2 marbles, 3 volcanic breccias, 6 basalts

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 34.65-34.90' N

LONGITUDE -169° 02.68-02.88' W

STATION NO. 1

LINE NO. 41

DAY/MONTH/YEAR

DATE 14/8/77

TYPE OF STORAGE (check one)

[X]	[ ]	[ ]
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
DR1-11	90 m	3 pieces	Volcanic Sandstone	
DR1-12	90 m	2 x 8 x 9	Volcanic Breccia	May be metamorphosed
DR1-13	90 m	3 x 10 x 12	Greywacke	Medium to coarse grained
DR1-14	90 m	8 x 9 x 6	Volcanic Sandstone	
DR1-15	90 m	4 x 11 x 15	Volcanic Breccia	Fresh-broken off outcrop
DR1-16	90 m	6 x 8 x 10	Volcanic Sandstone	
DR1-17	90 m	4 x 6 x 8	Volcanic Sandstone	
DR1-18	90 m	1 x 9 x 6	Volcanic Sandstone	
DR1-19	90 m	6 x 7 x 8	Basalt	
DR1-20	90 m	5 x 13 x 19	Argillite	

REMARKS:

Dredge haul Station 1, S6-77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 34.65-34.90' N

LONGITUDE: -169° 02.68-02.88' W

STATION NO.: 1

LINE NO.: 41

DAY/MONTH/YEAR

DATE: 14/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
X		

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
DR1-21	90 m	4 pieces	Volcanic Sandstone	Light green, may be metamorphosed
DR1-22	90 m	3 x 9 x 20	Volcanic Sandstone	
DR1-23	90 m	5 x 7 x 10	Basalt	Porphyritic
DR1-24	90 m	15 x 17 x 22	Basalt	Vesicular
DR1-25	90 m	12 x 17 x 13	Basalt	Vesicular
DR1-26	90 m	14 x 18 x 29	Limestone	Dark gray, largest piece angular-weathered.
DR1-27	90 m	14 x 18 x 27	Basalt	Vesicular

REMARKS:

Dredge haul 1, S6-77

SAMPLE LOG

LOCATOR: S6-77 SAMPLE NO: D1

STATION NO: 1

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	27 rocks	Tracy Vallier	USGS	Petrology	8/14/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 24.25' N

LONGITUDE: -167° 59.69' W

STATION NO.: 2

LINE NO.: 64

DAY/MONTH/YEAR

DATE: 16/8/77

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 1	136 m	102 cm		

REMARKS:

On bottom at 229/0137

NEBCO

SAMPLE LOG

LOCATOR: S6-77 SAMPLE NO: G1

STATION NO: 2

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/16/77
	Whole Core	Walt Dean	USGS	Inorganic Geochem.	8/16/77

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 26.54-26.51' N

LONGITUDE -167° 57.36-57.42' W

STATION NO. 3

LINE NO. 65

DAY/MONTH/YEAR

DATE 16/8/77

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity Core 2	129 m	52 cm		
Gravity Core 3	130 m	32 cm		

REMARKS:

On bottom at 229/0241, #2 on bottom at 229/0259

NEBCO

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G2

STATION NO: 3

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/16/77
	Whole Core	Walt Dean	USGS	Inorganic Geochem.	8/16/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 26.54-26.51' N

LONGITUDE: -167° 57.36-57.42' W

STATION NO.: 3

LINE NO.: 65

DAY/MONTH/YEAR

DATE: 16/8/77

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 2	129 m	52 cm		
Gravity Core 3	130 m	32 cm		

REMARKS:

On bottom at 229/0241, #2 on bottom at 229/0259

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G3

STATION NO: 3

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/16/77
	Whole Core	Keith Kvenvolden	USGS	Inorganic Goechem.	8/16/77

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 30.54-30.48' N (#1 #2)

LONGITUDE -167° 52.77-52.96' W

STATION NO. 4

LINE NO. 66

DAY/MONTH/YEAR

DATE 16/8/77

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 4	110 m	65 cm		
Gravity Core 5	110 m	55 cm		

REMARKS:

On bottom at 229/0356 #1, on bottom at 220/0414 #2

NEBCO

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G4

STATION NO: 4

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	16/8/77
	Whole Core	Walt Dean	USGS	Inorganic Geochem.	16/8/77

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 30.54-30.48' N (#1 #2)

LONGITUDE -167° 52.77-52.96' W

STATION NO. 4

LINE NO. 66

DAY/MONTH/YEAR

DATE 16/8/77

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 4	110 m	65 cm		
Gravity Core 5	110 m	55 cm		

REMARKS:

On bottom at 229/0356 #1, on bottom at 220/0414 #2

NEBCO

SAMPLE LOG

LOCATOR: S6-77 SAMPLE NO: G5

STATION NO: 4

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/16/77
	Whole Core	Keith Kvenvolden	USGS	Inorganic Geochem.	8/16/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 32.87' N

LONGITUDE: -167° 50.33' W

STATION NO.: 5

LINE NO.: 67

DAY/MONTH/YEAR

DATE: 16/8/77

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 6	108 m	74 cm		

REMARKS:

On bottom at 229/0457

NEBCO

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G6

STATION NO: 5

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/16/77
	Whole Core	Walt Dean	USGS	Inorganic Goechem.	8/16/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 32.78-32.80' N (#1 #2)

LONGITUDE: -167° 58.30-58.22' W

STATION NO.: 6

LINE NO.: 68

DAY/MONTH/YEAR

DATE: 16/8/77

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 7	109 m	36 cm		
Gravity Core 8	109 m	20 cm		

REMARKS:

#1 on bottom at 229/0549, #2 on bottom at 229/0606

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G7

STATION NO: 6

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Org. Geochem.	8/16/77
	Whole Core	Walt Dean	USGS	Inorganic Geochem.	8/16/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 32.78-32.80' N (#1 #2)

LONGITUDE: -167° 58.30-58.22' W

STATION NO.: 6

LINE NO.: 68

DAY/MONTH/YEAR

DATE: 16/8/77

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 7	109 m	36 cm		
Gravity Core 8	109 m	20 cm		

REMARKS:

#1 on bottom at 229/0549, #2 on bottom at 229/0606

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G8

STATION NO: 6

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Org. Geochem.	8/16/77
	Whole Core	Walt Dean	USGS	Inorganic Geochem.	8/16/77

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE #1 #2 056° 25.55-25.52' N

LONGITUDE -168° 05.70-05.54' W

STATION NO. 7

LINE NO. 69

DAY/MONTH/YEAR

DATE 16/8/77

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 9	130 m	30 cm		
Gravity Core 10	130 m	44 cm		

REMARKS:

#1 on bottom at 229/0726, #2 on bottom at 229/0744

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G9

STATION NO: 7

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Org. Geochem.	8/16/77
	Whole Core	Walt Dean	USGS	Inorganic Geochem.	8/16/77

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 25.55-25.52' N (#1 #2)

LONGITUDE -168° 05.70-05.54' W

STATION NO. 7

LINE NO. 69

DAY/MONTH/YEAR

DATE 16/8/77

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 9	130 m	30 cm		
Gravity Core 10	130 m	44 cm		

REMARKS:

#1 on bottom at 229/0726, #2 on bottom at 229/0744

NEBCO

SAMPLE LOG

LOCATOR: S6-77 SAMPLE NO: G10

STATION NO: 7

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Org. Geochem.	8/16/77
	Whole Core	Walt Dean	USGS	Inorganic Geochem.	8/16/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 20.72' N

LONGITUDE: -168° 03.39' W

STATION NO.: 8

LINE NO.: 70

DAY/MONTH/YEAR

DATE: 16/8/77

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 11	145 m	81 cm		

REMARKS:

On bottom at 229/0840

NEBCO

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G11

STATION NO: 8

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/16/77
	Whole Core	Walt Dean	USGS	Inorganic Geochem.	8/16/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 17.83' N

LONGITUDE: -168° 14.06' W

STATION NO.: 9

LINE NO.: 71

DAY/MONTH/YEAR

DATE: 17/8/77

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 12	154 m	127 cm		

REMARKS:

On bottom 229/1001

NEBCO

SAMPLE LOG

LOCATOR: S6-77 SAMPLE NO: G12

STATION NO: 9

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/17/77
	Whole Core	Walt Dean	USGS	Inorganic Geochem.	8/17/77

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 11.92' N

LONGITUDE -168° 19.93' W

STATION NO. 10

LINE NO. 72

DAY/MONTH/YEAR

DATE 17/8/77

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 13	166 m	192 cm		
Van Veen 1	166 m	No Recovery		
Van Veen 2	166 m	No Recovery		
Van Veen 3	166 m	No Recovery		
Van Veen 4	166 m	1 Bag Recovered		

REMARKS:

G13 Bottom time: 229/1120
VV1 Bottom time: 229/1212
VV2 Bottom time: 229/1239
VV3 on bottom: 229/1254
VV4 on bottom: 229/1308

NEBCO

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G13

STATION NO: 10

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/17/77
	Whole Core	Walt Dean	USGS	Inorganic Geochem.	8/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 11.92' N

LONGITUDE: -168° 19.93' W

STATION NO.: 10

LINE NO.: 72

DAY/MONTH/YEAR

DATE: 17/8/77

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 13	166 m	192 cm		
Van Veen 1	166 m	No Recovery		
Van Veen 2	166 m	No Recovery		
Van Veen 3	166 m	No Recovery		
Van Veen 4	166 m	1 Bag Recovered		

REMARKS:

G13 Bottom time: 229/1120
VV1 Bottom time: 229/1212
VV2 Bottom time: 229/1239
VV3 on bottom: 229/1254
VV4 on bottom: 229/1308

NEBCO

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: V1

STATION NO: 10

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
		No Recovery			

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 11.92' N

LONGITUDE -168° 19.93' W

STATION NO. 10

LINE NO. 72

DAY/MONTH/YEAR

DATE 17/8/77

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 13	166 m	192 cm		
Van Veen 1	166 m	No Recovery		
Van Veen 2	166 m	No Recovery		
Van Veen 3	166 m	No Recovery		
Van Veen 4	166 m	1 Bag Recovered		

REMARKS:

G13 Bottom time: 229/1120
VV1 Bottom time: 229/1212
VV2 Bottom time: 229/1239
VV3 on bottom: 229/1254
VV4 on bottom: 229/1308

NEBOO

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: V2

STATION NO: 10

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
		No Recovery			

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 11.92' N

LONGITUDE: -168° 19.93' W

STATION NO.: 10

LINE NO.: 72

DAY/MONTH/YEAR

DATE: 17/8/77

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 13	166 m	192 cm		
Van Veen 1	166 m	No Recovery		
Van Veen 2	166 m	No Recovery		
Van Veen 3	166 m	No Recovery		
Van Veen 4	166 m	1 Bag Recovered		

REMARKS:

G13 Bottom time: 229/1120
VV1 Bottom time: 229/1212
VV2 Bottom time: 229/1239
VV3 on bottom: 229/1254
VV4 on bottom: 229/1308

NEBCO

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: V3

STATION NO: 10

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	No Recovery	except for 1 rock			
	rock	Tracy Vallier	USGS	Petrology	8/19/77

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 11.92' N

LONGITUDE -168° 19.93' W

STATION NO. 10

LINE NO. 72

DAY/MONTH/YEAR

DATE 17/8/77

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 13	166 m	192 cm		
Van Veen 1	166 m	No Recovery		
Van Veen 2	166 m	No Recovery		
Van Veen 3	166 m	No Recovery		
Van Veen 4	166 m	1 Bag Recovered		

REMARKS:

G13 Bottom time: 229/1120
VV1 Bottom time: 229/1212
VV2 Bottom time: 229/1239
VV3 on bottom: 229/1254
VV4 on bottom: 229/1308

NEBCO

SAMPLE LOG

LOCATOR: S6-77 SAMPLE NO: V4

STATION NO: 10

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Sample	Keith Kvenvolden	USGS	Organic Geochem.	8/17/77
	Whole Sample	Walt Dean	USGS	Inorganic Geochem.	8/17/77

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 055° 02.42' N

LONGITUDE -164° 31.12' W

STATION NO. 11

LINE NO. 84

DAY/MONTH/YEAR

DATE 19/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Van Veen 5	62 m	21 cm		

REMARKS:

VV-5 Bottom time 231/1419
Three sand dollars on surface, completely undisturbed

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	V5	-	Grab	11	X		TV

Sediment Name: Volcanic Sand

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) Rock fragments and opaque minerals comprise most of sample
2) abundant pyroxene
3) mostly volcanic - some heavies from metamorphic source

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: S6-77 SAMPLE NO: V5

STATION NO: 11

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Top	Walt Dean	USGS	Inorganic Geochem.	8/19/77
	Top	Keith Kvenvolden	USGS	Organic Geochem.	8/19/77
	Top	Jim Gardner	USGS	Heavy & Light Minerals	8/19/77
	0-4 cm	Walt Dean	USGS	Organic Carbon	8/19/77

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 054° 48.25' N

LONGITUDE -164° 59.47' W

STATION NO. 12

LINE NO. 88

DAY/MONTH/YEAR

DATE 19/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Van Veen 6	76 m	Recovery		

REMARKS:

VV6 Bottom time: 232/0212

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	V6	-	Grab	12	X		TV

Sediment Name: Volcanic Sand

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Volcanic rock fragments and volcanic glass are the dominant constituents

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: S6-77

SAMPLE NO: V6

STATION NO: 12

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	0-4 cm	Walt Dean	USGS	Inorganic Geochem.	8/19/77
	Top	Keith Kvenvolden	USGS	Organic Geochem.	8/19/77
	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	8/19/77
	0-4 cm	Jim Gardner	USGS	Grain Size	8/19/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 054° 27.57' N

LONGITUDE: -165° 09.91' W

STATION NO.: 13

LINE NO.: 92

DAY/MONTH/YEAR

DATE: 20/8/77

TYPE OF STORAGE (check one)

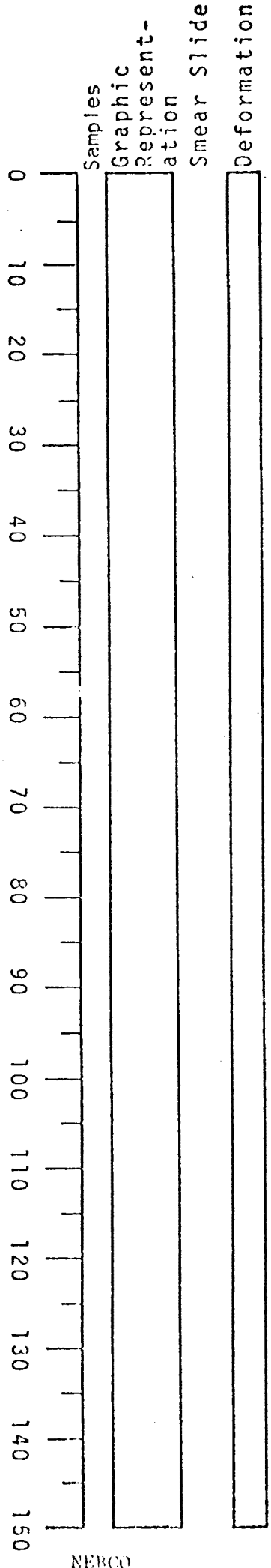
DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Van Veen 7	140 m	"a handful"		

REMARKS:

Van Veen on bottom 232/1412
Recovery: "a handful"

NEBCO



VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	6	-	7	7				V	7					-

STATION#				OBSERVER
	1	3		DR

Van Veen Sample #7

1) Sample taken during rough stormy seas
2) Van Veen jaws torqued so as to allow for water and fine sediment fraction to escape upon retrieval
3) Water observed draining from jaws of Van Veen
4) Only handful of coarse dark (black,brown) sediment in bottom of sampler
5) Sample to be used for lights and heavy mineral analysis only
6) Spurious grain size analysis, all of sample greater than 88 u
7) Sample not processed (i.e. RSA, Hydrophotometer, light or heavy minerals) in sediment lab

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: V7

STATION NO: 13

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	unknown	Jim Gardner	USGS	Grain Size	8/20/77
	unknown	Archive (2 vials)	USGS	Archive Grain Size	8/20/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 054° 12.67' N

LONGITUDE: -166° 38.34' W

STATION NO.: 14

LINE NO.: Test Cruise

DAY/MONTH/YEAR

DATE: 24/8/77

TYPE OF STORAGE (check one)

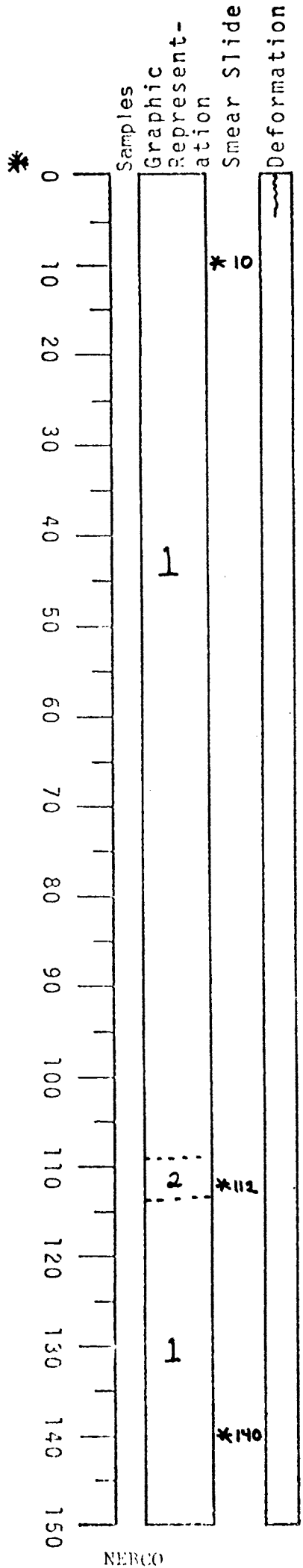
DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity Core 14	1309 m	286 cm		

REMARKS:

G14 on the bottom: 237/0938

NEBCO



VISUAL CORE DESCRIPTION

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

STATION#				OBSERVER
	1	4		AAB

1. Silty Diatom Ooze - 0-109 cm, 113-150 cm, Olive gray (5Y 3/2), core essentially homogeneous, no contacts visible, but grayish black (N2) streaking scattered throughout, essentially non-deformed, 0-5 cm soupy

*140 cm = Volcanic Diatom Ooze

2. Silty Volcanic Diatom Ooze - 109-113 cm, Olive black (5Y 2/1) and grayish black (N2) coarser than unit #1, no definite contact, appears interspersed sporadically in this interval

* Note: An unknown amount of sediment lost from top of core by flow out top of core barrel.

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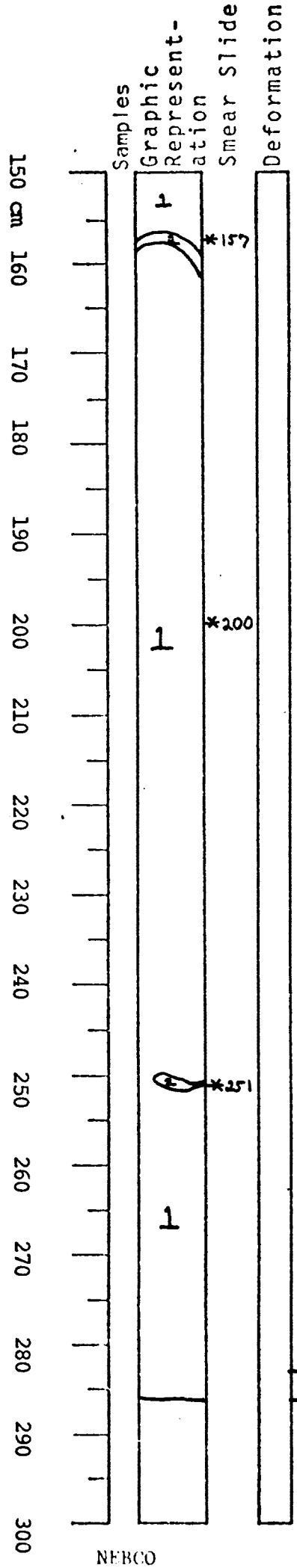
VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	6	-	7	7					G	-	1	4	2

STATION#				OBSERVER
	1	4		AAB



1. Volcanic Diatom Ooze - 150-156 cm, Olive black (5Y 2/1) appears slightly coarser than unit #1, but not as coarse as #2 (see section 1), 159-286 cm - grayish olive (10Y 4/2) homogeneous core with grayish black (N2) streaking throughout, essentially no deformation

* Clayey silt @ 200 cm
* Sand-bearing silty-clay @ 251 cm

2. Volcanic Sand - 156-159 cm, grayish black (N2), very coarse lens, sharp contacts with unit above and below, 250-251 cm - olive black (5Y 2/1) a concentration of coarser sediment roughly 156-159 cm no definite contacts

CC Deformation
→ Bottom at 286 cm

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G14	1	10 cm	14	X		AAB

Sediment Name: Silty Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Heavies: pyroxene (clino), epidote

Pyritized diatoms

Appears to have a relatively high concentration of volcanic detritus probably diagenetically altering to clays

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
S6-77	G14	1	112 cm	14		X	AAB

Sediment Name: Silty Volcanic Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
	Silt		
	Clay		
	COMPOSITION		
TR	Quartz		sand size
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.		
C	Volcanic Detritus		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
	Radiolarians		
TR	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

Pyroxene

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
S6-77	G14	1	140 cm	14	X		AAB

Sediment Name: Volcanic Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Iddingsite

Pyritized 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)

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SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G14	2	157 cm	14		X	AAB

Sediment Name: Volcanic Sand

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.		
D	Volcanic Detritus		
	Foraminifera		
	Calc. Nannos		
R	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)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G14	2	200 cm	14	X		AAB

Sediment Name: Volcanic-bearing Diatom Ooze (Clayey Silt)

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Pyritized Diatoms

Hypersthene, Epidote

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
S6-77	G14	2	251 cm	14			AAB

Sediment Name: Volcanic Diatom Ooze, Sand Bearing Silty-Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA
5-10%	Sand	
	Silt	
A	Clay	
	COMPOSITION	
	Quartz	
TR	Feldspar	plagioclase
	Mica	
	Heavy Mnls.	
	Total Detrital	
	Clay Mnls.	
	Volc. Glass	
	Palagonite	
	Chlorite	
	Glauconite	
	Pyrite	
	Micro Nodules	
	Dolo. Rhombs	
	Zeolite	
	Auth. Carb.	
	Rock Frags.	
A-C	Volcanic Detritus	
	Foraminifera	
	Calc. Nannos	
A	Diatoms	
	Radiolarians	
TR	Sponge Spic.	
	Silicoflag.	
	Fish Remains	
	Plant Debris	

PER-CENT	DETAILED MINERALOGY

REMARKS:

Iddingsite

Volcanic detritus - approx. 5-10% sand size grains; majority = clay size fraction of altered volcanics

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: S6-77 SAMPLE NO: G14

STATION NO: 14

Note: Unknown amount of sediment lost by flow out top of core.

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Walt Dean	USGS	Inorganic Geochem.	8/25/77
	0-5 cm	Walt Dean	USGS	C - CO_3	8/25/77
	0-5 cm	Jim Gardner	USGS	Grain Size	8/25/77
	50-55 cm	Walt Dean	USGS	C- CO_3	8/25/77
	50-55 cm	Walt Dean	USGS	Inorganic Geochem.	8/25/77
	50-55 cm	Jim Gardner	USGS	Grain Size	8/25/77
	100-105 cm	Walt Dean	USGS	Inorganic Geochem.	8/25/77
	100-105 cm	Walt Dean	USGS	C - CO_3	8/25/77
	100-105 cm	Jim Gardner	USGS	Grain Size	8/25/77
2	150-155 & 200-205 cm	Walt Dean	USGS	Inorganic Geochem.	8/25/77
	150-155 & 200-205 cm	Walt Dean	USGS	C- CO_3	8/25/77
	150-155 & 200-205 cm	Jim Gardner	USGS	Grain Size	8/25/77
	250-255 cm	Walt Dean	USGS	Inorganic Geochem.	8/25/77
	250-255 cm	Walt Dean	USGS	C - CO_3	8/25/77
	250-255 cm	Jim Gardner	USGS	Grain Size	8/25/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 054° 20.57' N

LONGITUDE: -167° 31.15' W

STATION NO.: 15

LINE NO.: 101

DAY/MONTH/YEAR

DATE: /8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
XBTG 01	827 m	-		
Gravity Core 15	825 m	135 cm		
Gravity Core 16	825 cm	150 cm		

REMARKS:

XBTG 01 - Lat: 054° 20.44' N 238/0647
Long:-167° 30.16' W

G15 - Bottom Time: 1155, Lat: 054° 20.52' N
Long: -167° 31.10' W

G16 - Bottom Time: 1225, Lat: 054° 20.15' N
Long: -167° 30.94' W

NEBOO

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G15

STATION NO: 15

Total Length = 135 cm

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-135 cm	Keith Kvenvolden	USGS	Organic Geochem.	8/26/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 054° 20.57' N

LONGITUDE: -167° 31.15' W

STATION NO.: 15

LINE NO.: 101

DAY/MONTH/YEAR

DATE: /8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
XBTG 01	827 m	-		
Gravity Core 15	825 m	135 cm		
Gravity Core 16	825 cm	150 cm		

REMARKS:

XBTG 01 - Lat: 054° 20.44' N 238/0647
Long:-167° 30.16' W

G15 - Bottom Time: 1155, Lat: 054° 20.52' N
Long: -167° 31.10' W

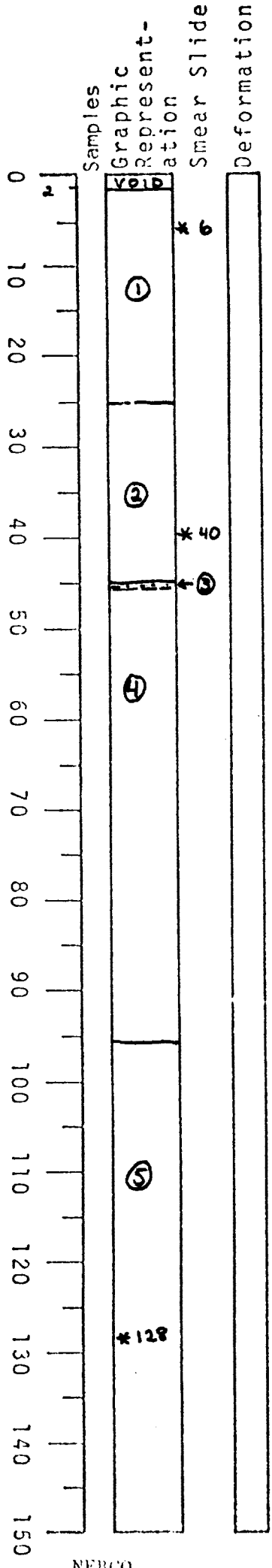
G16 - Bottom Time: 1225, Lat: 054° 20.15' N
Long: -167° 30.94' W

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	6	-	7	7				G	-	1	6		1

STATION#				OBSERVER
		1	5	WD



1) Diatom Ooze (0-25 cm) - appears to be undeformed 0-25 cm homogeneous; olive gray (5Y 3/2); gradational contact with underlying lithology (2)

2) Silt-bearing Diatom Ooze (25-44 cm) - olive black (5Y 2/1)

3) Sand (44-45 cm) - grayish black (N2); at contact between units (2) and (4)

4) Silty Clay (45-96 cm) - olive gray (5Y 3/2); occasional granule size material "floating" throughout; slightly darker (olive black, 5Y 2/1) burrow mottles (?) throughout; contact between lithologies (4) and (5) very gradational; no apparent deformation

5) Diatom-bearing Silt (96-150 cm) - olive gray (5Y 3/2); very similar to unit (4), but slightly lighter in color and with less silt and no granule size material evident on surface; no apparent deformation

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G16	1	6 cm	15	X		DHK

Sediment Name: Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
	Silt		
	Clay		
	COMPOSITION		
R	Quartz		
TR	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
TR	Clay Mnls.		
TR	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
TR	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
D	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
S6-77	G16	1	40 cm	15	X		DHK & DR

Sediment Name: Silt Bearing Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Clinopyroxene, zircon, epidote

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
S6-77	G16	1	128 cm	15	X		DR

Sediment Name: Diatom-bearing Silt

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

orthopyroxene

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: S6-77 SAMPLE NO: G16

STATION NO: 15

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm & 50-55 cm	Walt Dean	USGS	Inorganic Geochem.	8/26/77
	100-105 cm	Walt Dean	USGS	Inorganic Geochem.	8/26/77
	0-5 cm & 50-55 cm	Walt Dean	USGS	$C - CO_3$	8/26/77
	100-105 cm	Walt Dean	USGS	$C - CO_3$	8/26/77
	0-5 cm & 50-55 cm	Jim Gardner	USGS	Grain Size	8/26/77
	100-105 cm	Jim Gardner	USGS	Grain Size	8/26/77
	0-5 cm	Dave Klise	USGS	Clay Miner.	8/26/77
	2 Samples CC	Edith Stanley	UC Davis	Rads	8/26/77
	CC	John Barron	USGS	Diatoms	8/26/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 054° 22.65' N

LONGITUDE: -168° 05.23' W

STATION NO.: 16

LINE NO.: 102

DAY/MONTH/YEAR

DATE: 26/8/77

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 17	1195 m	No Recovery		
Gravity Core 18	1195 m	150 cm		
Gravity Core 19	1190 m	140 cm		
XBT - 2				

REMARKS:

G17 - on bottom: 1611: 54° 22.75' N, -168° 05.36' W

G18 - on bottom: 1641: 54° 22.66' N, -168° 05.25' W

G19 - on bottom: 1717: 54° 22.57' N, -168° 05.29' W

XBT - 2, GMT close to 1600Z: 54° 22.65' N, -168° 05.23' W

NEBCO

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G17

STATION NO: 16

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
		No Recovery			

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 054° 22.65' N

LONGITUDE: -168° 05.23' W

STATION NO.: 16

LINE NO.: 102

DAY/MONTH/YEAR

DATE: 26/8/77

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 17	1195 m	No Recovery		
Gravity Core 18	1195 m	150 cm		
Gravity Core 19	1190 m	140 cm		
XBT - 2				

REMARKS:

G17 - on bottom: 1611: 54° 22.75' N, -168° 05.36' W

G18 - on bottom: 1641: 54° 22.66' N, -168° 05.25' W

G19 - on bottom: 1717: 54° 22.57' N, -168° 05.29' W

XBT - 2, GMT close to 1600Z: 54° 22.65' N, -168° 05.23' W

NEBCO

SAMPLE LOG

LOCATOR: S6-77 SAMPLE NO: G18

STATION NO: 16 Total Length = 150 cm

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/26/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 054° 22.65' N

LONGITUDE: -168° 05.23' W

STATION NO.: 16

LINE NO.: 102

DAY/MONTH/YEAR

DATE: 26/8/77

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 17	1195 m	No Recovery		
Gravity Core 18	1195 m	150 cm		
Gravity Core 19	1190 m	140 cm		
XBT - 2				

REMARKS:

G17 - on bottom: 1611: 54° 22.75' N, -168° 05.36' W

G18 - on bottom: 1641: 54° 22.66' N, -168° 05.25' W

G19 - on bottom: 1717: 54° 22.57' N, -168° 05.29' W

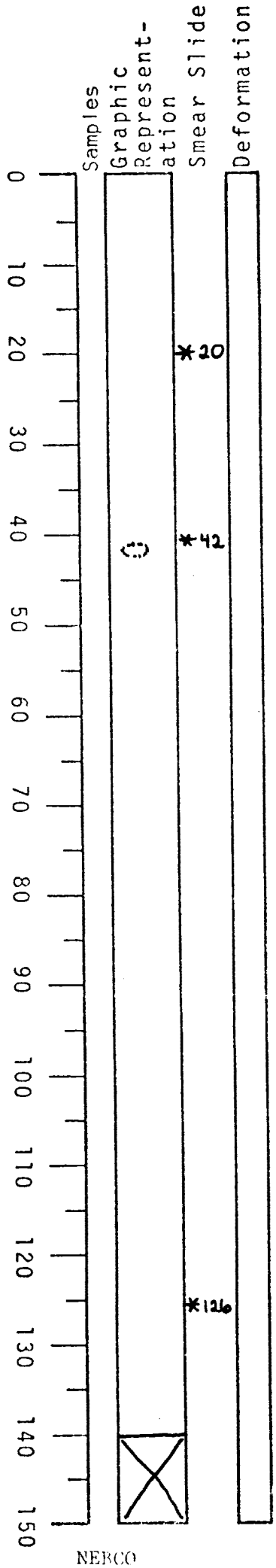
XBT - 2, GMT close to 1600Z: 54° 22.65' N, -168° 05.23' W

NEBCO

VISUAL CORE DESCRIPTION

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

STATION#				OBSERVER
	1	6		AAB



Silt Bearing Diatom Ooze (0-140 cm) entire core, Olive gray (5Y 3/2), an apparently homogeneous core with coring deformation in soupy sediment from 1-20 cm, the rest of core is relatively undeformed grayish black (N2) streaking prominent in last 15 cm of core, but streaks are visible throughout entire length at 42 cm is a small light gray (N7) coarse lens of sediment which may be volcanic and no definite contact with sediments between which it lies.

20 cm - silt bearing diatom ooze

42 cm - silt bearing diatom ooze

126 cm - sand (volcanic) bearing silt

Bottom at 140 cm

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G19	1	20 cm	16	X		DR

Sediment Name: Silt bearing Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

orthopyroxene, zircon, clinopyroxene, pyritized 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
S6-77	G19	1	42 cm	16	X		DR

Sediment Name: Silt-bearing Diatom Ooze (volcanic glass & volcanic detritus)

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

clinopyroxene, epidote

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
S6-77	G19	1	126 cm	16		X	DR

Sediment Name: Sand-bearing silt

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

clinopyroxene, zircon

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: S6-77 SAMPLE NO: G19

STATION NO: 16

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm & 50-55 cm	Walt Dean	USGS	Inorganic Geochem.	8/26/77
	0-5 cm & 50-55 cm	Walt Dean	USGS	C - CO_3	8/26/77
	100-105 cm	Walt Dean	USGS	C - CO_3	8/26/77
	100-105 cm	Walt Dean	USGS	Inorganic Geochem.	8/26/77
	0-5 cm & 50-55 cm	Jim Gardner	USGS	Grain Size	8/26/77
	100-105 cm	Jim Gardner	USGS	Grain Size	8/26/77
	0-5 cm	Dave Klise	USGS	Clay Miner.	8/26/77
	CC	Edith Stanley	UC Davis	Rads	8/26/77
	CC	John Barron	USGS	Diatoms	8/26/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 054° 45.91' N

LONGITUDE: -168° 42.13' W

STATION NO.: 17

LINE NO.: 103

DAY/MONTH/YEAR

DATE: 26/8/77

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 20	2230 m	195 cm		
Gravity Core 21	2324 m	187 cm		
XBT - 3	2318			

REMARKS:

G20 - on bottom: 2219: 054° 45.23' N, -168° 42.28' W

G21 - on bottom: 2319: 054° 45.871' N, -168° 42.10' W

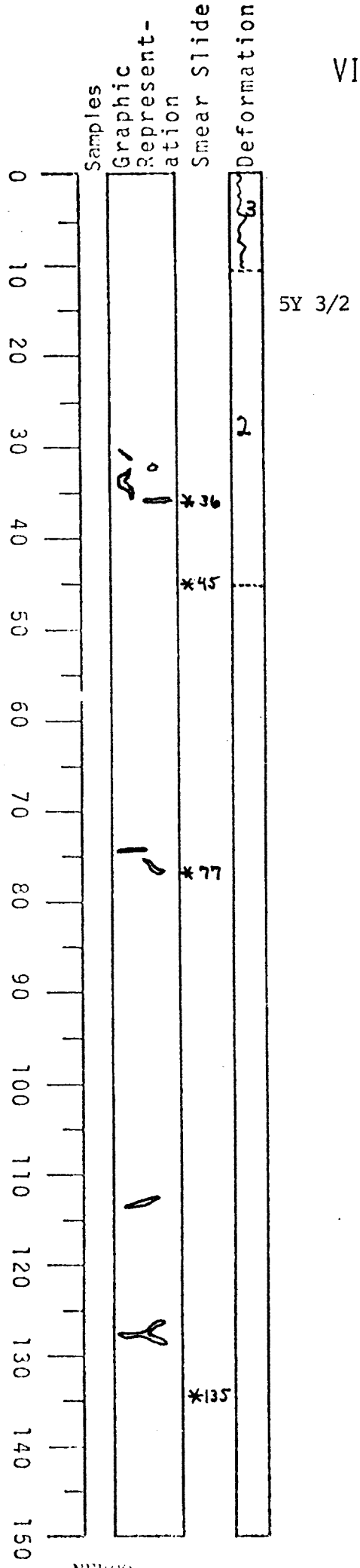
XBT - 3: 238/2301: 054° 45.97' N, -168° 42.02' W

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	6	-	7	7				G	-	2	0		1

STATION#				OBSERVER
	1	7		EMS



5Y 3/2

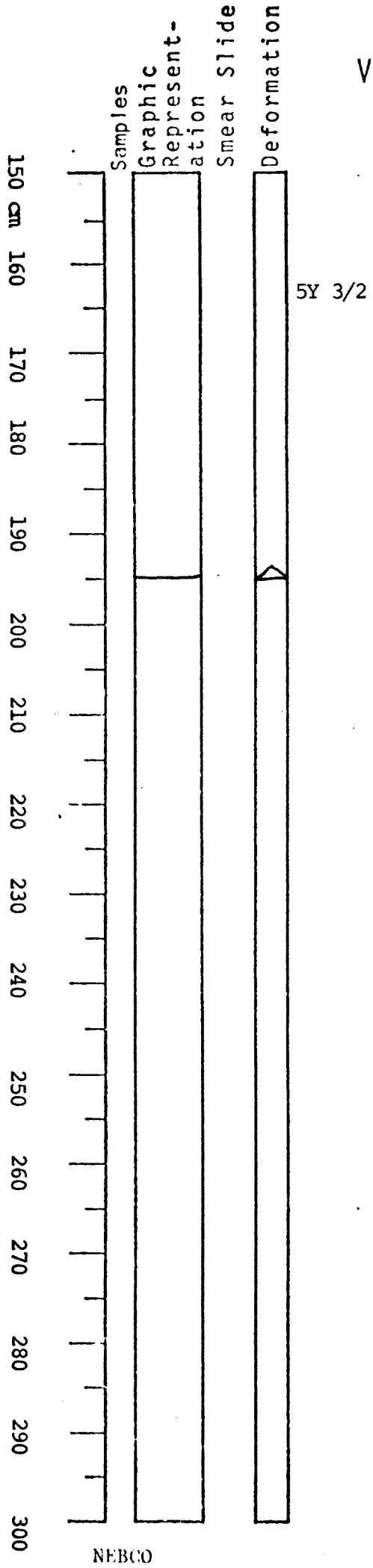
0-150 cm
Clay-bearing Diatom Ooze, olive gray (5Y 3/2), severely disturbed soupy from 0-10 cm, moderately disturbed from 10 cm to about 45 cm, and undeformed below 45 cm, with lenses of Diatom-bearing Sand, grayish black (N2), at 31-36 cm, 74 cm, 77 cm, 112-114 cm and 127 cm, otherwise homogeneous.

NERCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 6 - 7 7	G - 2 0	2

STATION#	OBSERVER
1 7	EMS



150-194 cm
Clay-bearing Diatom Ooze, olive gray (5Y 3/2)
no deformation from 150-192 cm, 192-194 cm
moderately deformed by core-catcher, homogeneous
throughout length of core.

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G20	1	36 cm	17		X	TV

Sediment Name: Diatom-bearing Sand

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Probable Aleutian Source

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
S6-77	G20	1	45 cm	17	X		TV

Sediment Name: Clay-bearing Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
	Silt		
	Clay		
	COMPOSITION		
	Quartz		
R	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
R-C	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
TR	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
D	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)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G20	1	77 cm	17		X	TV

Sediment Name: Diatomaceous Sand

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

PER-CENT	DETAILED MINERALOGY
	Hornblende
	Hypersthene
	Augite

REMARKS:

Diatoms & detrital sand about 50/50

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
S6-77	G20	1	135 cm	17	X		TV

Sediment Name: Clay-bearing Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
	Silt		
	Clay		
	COMPOSITION		
	Quartz		
TR	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
C	Clay Mnls.		
TR	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
TR	Rock Frags.		
TR	Opaques		
	Foraminifera		
	Calc. Nannos		
D	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)

NEBCO

SAMPLE LOG

LOCATOR: S6-77 SAMPLE NO: G20

STATION NO: 17

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Gardner/Vallier	USGS	Grain Size	8/26/77
	0-5 cm	Walt Dean	USGS	Inorganic Geochem.	8/26/77
	0-5 cm	Walt Dean	USGS	C - CO_3	8/26/77
	0-5 cm	Dave Klise	USGS	Clay X-Ray	8/26/77
	36-39 cm	Gardner/Vallier	USGS	Heavy Miner. Grain Size	8/26/77
	50-55 & 100-105 cm	Walt Dean	USGS	Inorganic Geochem.	8/26/77
	50-55 & 100-105 cm	Walt Dean	USGS	C - CO_3	8/26/77
	50-55 & 100-105 cm	Gardner/Vallier	USGS	Grain Size	8/26/77
2	150-155 cm	Gardner/Vallier	USGS	Grain Size	8/26/77
	150-155 cm	Walt Dean	USGS	C - CO_3	8/26/77
	150-155 cm	Walt Dean	USGS	Inorganic Geochem.	8/26/77
	188-193 cm	Edith Stanley	UC Davis	Rads	8/26/77
	188-193 cm	John Barron	USGS	Diatoms	8/26/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 054° 45.91' N

LONGITUDE: -168° 42.13' W

STATION NO.: 17

LINE NO.: 103

DAY/MONTH/YEAR

DATE: 26/8/77

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 20	2230 m	195 cm		
Gravity Core 21	2324 m	187 cm		
XBT - 3	2318			

REMARKS:

G20 - on bottom: 2219: 054° 45.23' N, -168° 42.28' W

G21 - on bottom: 2319: 054° 45.871' N, -168° 42.10' W

XBT - 3: 238/2301: 054° 45.97' N, -168° 42.02' W

NEBOO

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G21

STATION NO: 17

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/26/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 11.75' N

LONGITUDE: -169° 21.04' W

STATION NO.: 18

LINE NO.: 104

DAY/MONTH/YEAR

DATE: 26/8/77

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 22	2151 m	199 cm		
XBTG - 4	2150 m			

REMARKS:

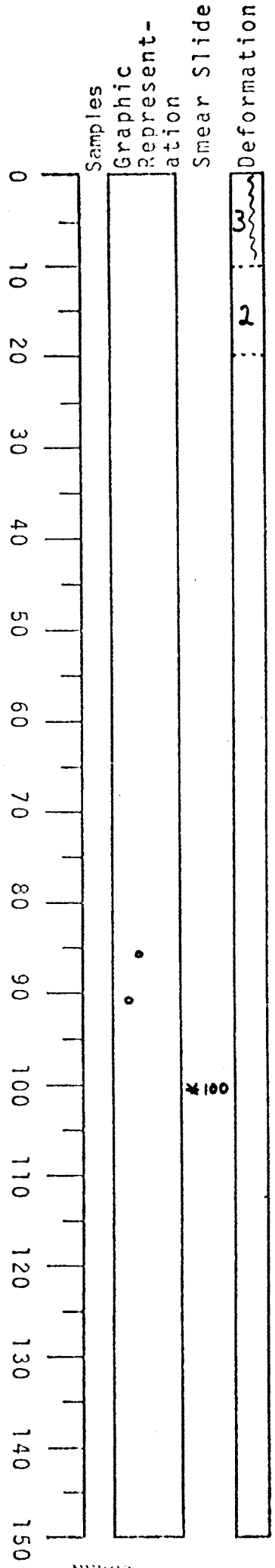
XBTG - 4: 239/0519: Lat. 55° 11.60' N, long. 169° 21.04' W

G22: 239/0625: Lat. 55° 11.74' N, long. -169° 21.04' W

VISUAL CORE DESCRIPTION

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

STATION#				OBSERVER
	1	8		EMS



5Y 3/2

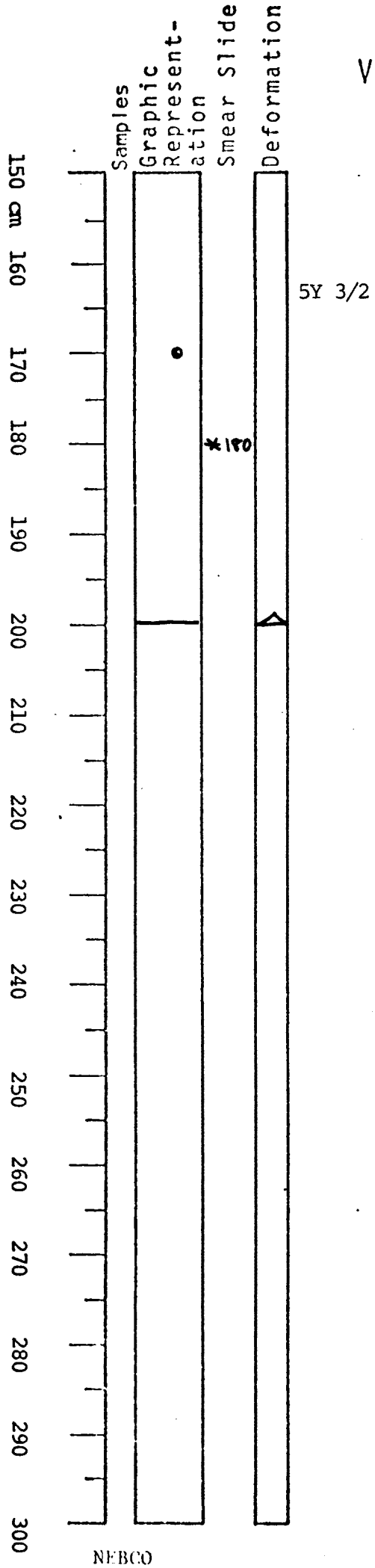
0-150 cm
Diatom Clayey-silt
Olive gray (5Y 3/2), soupy and severely deformed from 0-10 cm, moderately deformed from 10-20 cm, otherwise undisturbed, homogeneous throughout except for slight grayish black (N2) mottling at 86 cm and 91 cm.

NERCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	6	-	7	7				G	-	2	2		2

STATION#				OBSERVER
	1	8		EMS



150-199 cm
Diatom-bearing Silt
Olive gray (5Y 3/2), with a single burrow at 169-170 cm, otherwise homogeneously mottled, no deformation except for core catcher at 197-199 cm

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G22	1	100 cm	18	X		MBU

Sediment Name: Diatom Clayey Silt

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Detrital component composed of very fine to coarse silt, presumed to be mostly feldspar

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
S6-77	G22	2	180 cm	18	X		MBU

Sediment Name: Diatom-bearing Silt

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Light minerals assumed to be mostly feldspar. Volcanic component does not appear high.

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: S6-77 SAMPLE NO: G22

STATION NO: 18

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm & 50-55 cm	Walt Dean	USGS	Inorganic Geochem.	8/26/77
	0-5 cm & 50-55 cm	Walt Dean	USGS	C - CO_3	8/26/77
	0-5 cm & 50-55 cm	Gardner/Vallier	USGS	Grain Size	8/26/77
	0-5 cm	Dave Klise	USGS	Clay X-Ray	8/26/77
	100-105 cm	Walt Dean	USGS	Inorganic Geochem.	8/26/77
	100-105 cm	Walt Dean	USGS	C - CO_3	8/26/77
	100-105 cm	Gardner/Vallier	USGS	Grain Size	8/26/77
2	150-155 cm	Gardner/Vallier	USGS	Grain Size	8/26/77
	150-155 cm	Walt Dean	USGS	Inorganic Geochem.	8/26/77
	150-155 cm	Walt Dean	USGS	C - CO_3	8/26/77
	147-149 cm	Edith Stanley	UC Davis	Rads	8/26/77
	147-149 cm	John Barron	USGS	Diatoms	8/26/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 054° 50.44' N

LONGITUDE: -170° 21.83' W

STATION NO.: 19

LINE NO.: 105

DAY/MONTH/YEAR

DATE: 27/8/77

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 23	2030 m	119 cm		
XBTG - 5	2031 m			
XBTG - 6	2031 m			

REMARKS:

G23 on bottom: 239/1723: 54° 50.40' N, -170° 22.17' W

XBTG - 5: 239/1500: 54° 50.44' N, -170° 21.83' W

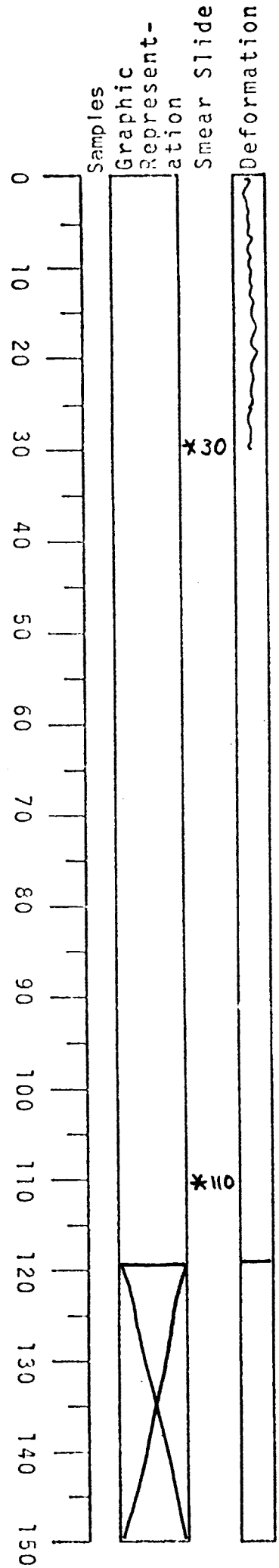
XBTG - 6: 239/1655: 54° 50.44' N, -170° 21.83' W

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 6 - 7 7	G - 2 3	1

STATION#	OBSERVER
1 9	DR



Bottom at 119 cm

Diatom Ooze, 0-119 cm, Olive gray (5Y 3/2) entire core is essentially non-deformed, soupy from 1-30 cm, no burrowing, a homogeneous core with a grayish black (N2) streak at 115 cm, no other features noted, grain size decrease down core (?) (may be superficial due to drilling) no sharp distinctions in grain size, only gradational

*30 Dominantly biogenic

*110 Biogenic and minor fine silt (general decrease in grain size visible in slides down core)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G23	1	30 cm	19	X		AAB

Sediment Name: Diatom Ooze (silty clay)

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Schist fragments = TR
Volcanic Detritus = TR
Clinopyroxene, Chlorite (anomalous blue), (penninite) = TR
Hypersthene = TR

Dominantly biogenic
Radiolarian - 1 Spherical Spumettarian with good preservation

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
S6-77	G23	1	110 cm	19	X		AAB

Sediment Name: Diatom Ooze (silt-bearing)

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Pyritized Diatoms, hypersthene

Grain size decrease (overall) from previous slide in upper part of core; also higher detrital input (silt size fine) diluting diatoms (Biogenic + minor detrital)

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: S6-77 SAMPLE NO: G23

STATION NO: 19

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm & 50-55 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	0-5 cm & 50-55 cm	Gardner/Vallier	USGS	Grain Size	8/27/77
	0-5 cm	Dave Klise	USGS	Clay X-Ray	8/27/77
	0-5 cm & 50-55 cm	Walt Dean	USGS	C - CO_3	8/27/77
	100-105 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	100-105 cm	Walt Dean	USGS	C - CO_3	8/27/77
	100-105 cm	Gardner/Vallier	USGS	Grain Size	8/27/77
	118-120 cm	Edith Stanley	UC Davis	Rads	8/27/77
	118-120 cm	John Barron	USGS	Diatoms	8/27/77

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 055° 31.33' N

LONGITUDE -170° 01.35' W

STATION NO. 20

LINE NO. 106

DAY/MONTH/YEAR

DATE 27/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
XBTG - 7	2900 m			
Gravity Core 24	2900 m	180 cm		
Gravity Core 25	2900 m	230 cm		

REMARKS:

XBTG - 7 Lat. 55° 31.37' N, Long. -170° 01.28' W

G24: 240/0025 Lat. 55° 31.33' N, Long. -170° 01.35' W

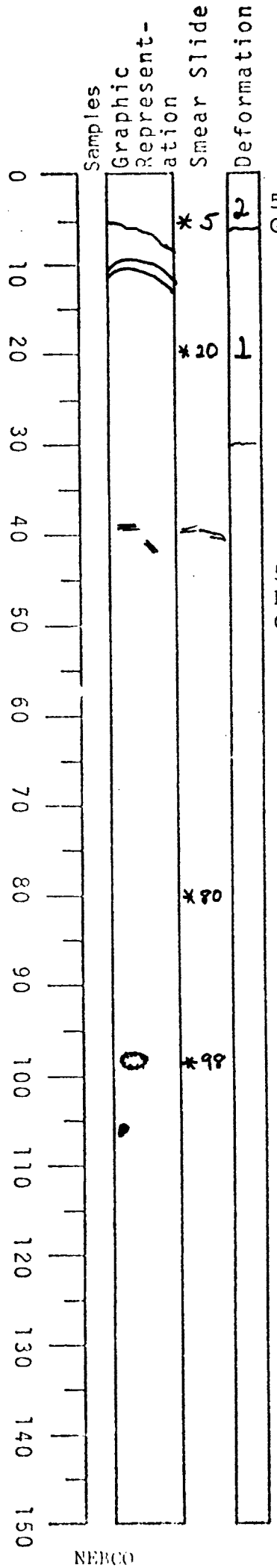
G25: 240/0118 Lat. 55° 30.96' N, Long. -170° 01.92' W

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	6	-	7	7				G	2	4			1

STATION#				OBSERVER
	2	0		TV



5GY 4/2
Grayish Olive Green

5G 4/1
Dark Greenish Gray

0-5 cm Diatom-bearing Silty Sand
Grayish olive green (5GY 4/2)
moderately disturbed, poorly sorted

5-150 cm Diatom-bearing Sand
Dark greenish gray (5G 4/1)
with a deformation wedge of grayish olive green (5GY 4/2) sediment at 8-12 cm, slightly disturbed from 5-30 cm, otherwise essentially undeformed mottled throughout with some burrowing poorly sorted fine sands, at 98-99 cm there is a small ovoid structure that may be replacive, major constituents are chlorite, pyrite, diatoms and feldspar - chlorite sand
at 106 cm is a basalt pebble

5 cm Diatom-bearing Silty Sand

20 cm Diatom-bearing Sand

80 cm Diatom-bearing Silty Sand

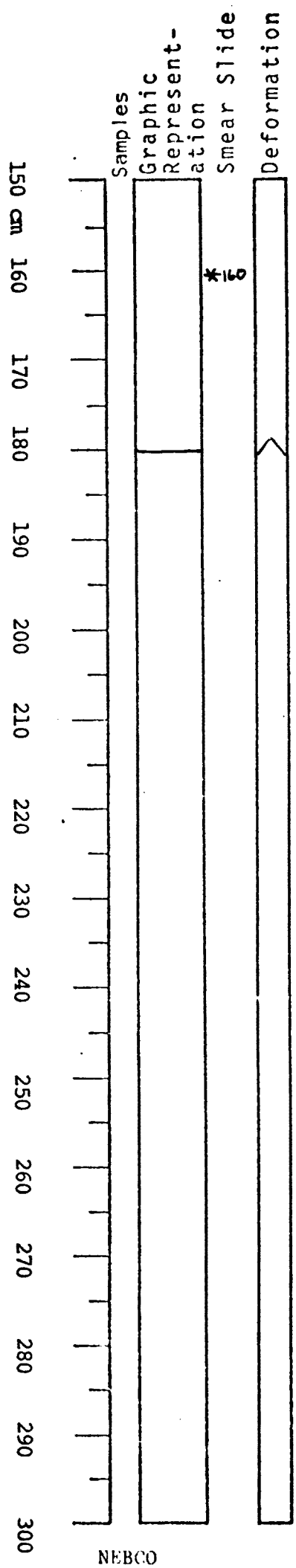
98 cm Chlorite Sand

NEBCO

VISUAL CORE DESCRIPTION

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

STATION#				OBSERVER
		2	0	TV



5G 4/1 Dark Greenish Gray

150-180 cm <u>Diatom-bearing Sand</u>
Dark greenish gray (5G 4/1), essentially undeformed, showing slight mottling but otherwise homogeneous throughout, probably fine sand

*160 cm Diatom-bearing Sand

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G24	1	5 cm	20		X	TV

Sediment Name: Diatom-bearing Silty Sand

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) Poorly sorted
2) Median probably in fine sand range

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
S6-77	G24	1	20 cm	20		X	TV

Sediment Name: Diatom-bearing Sand

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) Poorly sorted
2) Median probably in fine sand range

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
S6-77	G24	1	80 cm	20	X		TV

Sediment Name: Diatom-bearing Silty Sand

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Median probably in fine sand range

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
S6-77	G24	1	98 cm	20		X	TV

Sediment Name: Chlorite Sand

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) Small ovoid structure that may be replacive, rim only sampled; middle

2) Major constituents are chlorite pyrite, diatoms and feldspar

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
S6-77	G24	2	160 cm	20	X		TV

Sediment Name: Diatom-bearing Sand

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) Median probably in fine sand range

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: S6-77 SAMPLE NO: G24

STATION NO: 20

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm & 50-55 cm	Jim Gardner	USGS	Grain Size	8/27/77
	0-5 cm & 50-55 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	0-5 cm & 50-55 cm	Walt Dean	USGS	C - CO_3	8/27/77
	0-5 cm	Dave Klise	USGS	Clay X-Ray	8/27/77
	100-105 cm	Jim Gardner	USGS	Grain Size	8/27/77
	100-105 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	100-105 cm	Walt Dean	USGS	C - CO_3	8/27/77
2	150-155 cm	Jim Gardner	USGS	Grain Size	8/27/77
	150-155 cm	Walt Dean	USGS	C - CO_3	8/27/77
	150-155 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	175-180 cm	Edith Stanley	UC Davis	Rads	8/27/77
	175-180 cm	John Barron	USGS	Diatoms	8/27/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 31.33' N

LONGITUDE: -170° 01.35' W

STATION NO.: 20

LINE NO.: 106

DAY/MONTH/YEAR

DATE: 27/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
XBTG - 7	2900 m			
Gravity Core 24	2900 m	180 cm		
Gravity Core 25	2900 m	230 cm		

REMARKS:

XBTG - 7 Lat. 55° 31.37' N, Long. -170° 01.28' W

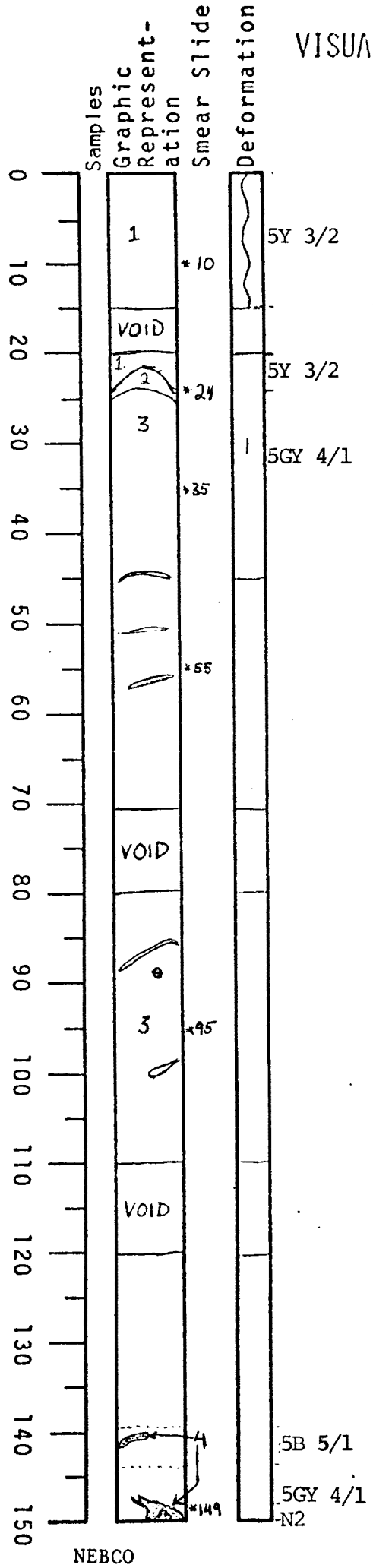
G24: 240/0025 Lat. 55° 31.33' N, Long. -170° 01.35' W

G25: 240/0118 Lat. 55° 30.96' N, Long. -170° 01.92' W

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 6 - 7 7	G - 2 5	1

STATION#	OBSERVER
2 0	EMS



1. 0-15 cm Muddy Diatom Ooze,
   Olive gray (5Y 3/2) soupy throughout, separated from the rest of the core by a void due to sampling

1. 20-22 cm Mud Diatom Ooze
   olive gray (5Y 3/2) slightly deformed grading into

2. 22-24 cm Sand
   grayish black (N2), slightly deformed, with a sharp contact at 24 cm with the lower unit #3 containing abundant rock fragments and feldspar

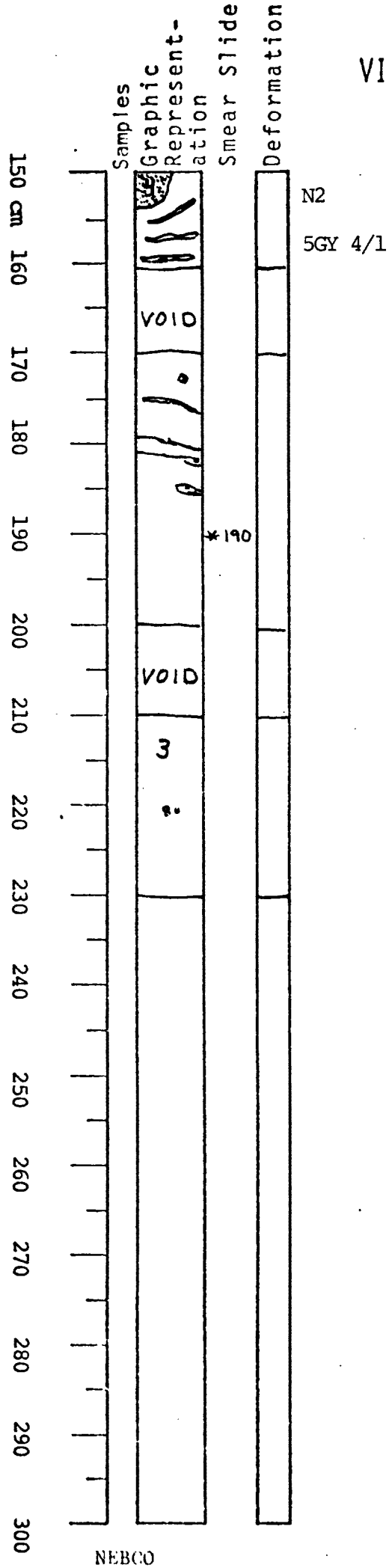
3. 24-150 cm Mud Diatom Ooze/Diatomaceous Sand dark greenish gray (5GY 4/1) throughout, with streaks of olive gray (5Y 3/2), (possibly burrows), slightly deformed to 45 cm, otherwise undeformed with sampling voids at 70-80 cm and 110-120 cm, with a clam shell at 89 cm, faint medium bluish gray (5B 5/1) layer at 140-144 cm. Mud is composed of fine sand, silt and clay. Heterogeneous, with layers of diatomaceous sand throughout

4. 142-144 cm, 148-150 cm Sand
   Dark grayish black sediment wedges in sharp contact with unit 3 above.

VISUAL CORE DESCRIPTION

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

STATION#				OBSERVER
	2	0		EMS



3. 150-230 cm Mud Diatom Ooze/Diatomaceous Sand
dark greenish gray (5GY 4/1) undeformed, with some mottling, clam shell fragments at 173 cm and 221 cm, voids due to sampling at 162-170 cm and 200-210 cm, core heterogeneous with sand layers throughout

4. 150-154 cm Sand
Grayish black (N2) sediment wedge in sharp contact with unit #1 above

*190 Silty Diatom Ooze

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G25	1	10 cm	20		X	TV

Sediment Name: Muddy Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) About equal amounts of sand, silt and clay - Diatoms dominant

2) A few large glass fragments

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
S6-77	G25	1	24 cm	20		X	TV

Sediment Name: Sand

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) Shelf sand - Yukon/Kuskokwin influence

2) Diverse variety of rock fragments many are metamorphic and sedimentary

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
S6-77	G25	1	35 cm	20	X		TV

Sediment Name: Mud Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) "Mud" component is a mixture of sand, silt and clay

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
S6-77	G25	1	55 cm	20	X		TV

Sediment Name: Diatomaceous Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
	Silt		
	Clay		
	COMPOSITION		
R	Quartz		
A	Feldspar		
	Mica		
R	Heavy Mnls.		
	Total Detrital		
R-C	Clay Mnls.		
TR	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
C	Rock Frags.		
TR	Foraminifera		
	Calc. Nannos		
A	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
S6-77	G25	1	95 cm	20	X		TV

Sediment Name: Mud Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Mud component is fine sand, silt and clay

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
S6-77	G25	1	149 cm	20		X	TV

Sediment Name: Sand

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) Low relief, low birefrigent platey mineral makes up large component of matrix, unknown - mica-like
2) Benthonic forams - well preserved infilled with pyrite
3) Shelf sand - yukon & Kuskokwin influence

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
S6-77	G25	2	190 cm	20	X		AAB

Sediment Name: Silty Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Hematite, epidote (?), clinopyroxene, micronodules (pyrite ?) infilling diatom tests

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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SAMPLE LOG

LOCATOR: S6-77 SAMPLE NO: G25

STATION NO: 20

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/27/77
	Core Catcher	Edith Stanley	UC Davis	Rads	8/27/77
	Core Catcher	John Barron	USGS	Diatoms	8/27/77
	0-10 cm & 22-25 cm	Jim Gardner	USGS	Grain Size	8/27/77
	0-10 cm & 50-55 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	0-10 cm & 50-55 cm	Walt Dean	USGS	C - CO_3	8/27/77
	0-10 cm	Dave Klise	USGS	Clay	8/27/77
	50-55 cm & 100-105 cm	Jim Gardner	USGS	Grain Size	8/27/77
	100-105 cm	Walt Dean	USGS	C - CO_3	8/27/77
	100-105 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
2	148-152 cm	Walt Dean	USGS	Inorganic Goechem.	8/27/77
	148-152 cm	Walt Dean	USGS	C - CO_3	8/27/77
	195-200 cm	Jim Gardner	USGS	Grain Size	8/27/77
	195-200 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	195-200 cm	Walt Dean	USGS	C - CO_3	8/27/77

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USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 055° 42.87' N

LONGITUDE -170° 49.08' W

STATION NO. 21

LINE NO. 107

DAY/MONTH/YEAR

DATE 27/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
XBTG - 8	3158			
Gravity Core 26	3158	260 cm		
Gravity Core 27	3158	122 cm		

REMARKS:

XBTG - 8	240/0549	Lat. 55° 42.81' N, Long. -170° 49.85' W
G26	240/0621	Lat. 55° 42.92' N, Long. -170° 47.66' W
G27	240/0726	Lat. 55° 43.35' N, Long. -170° 48.48' W

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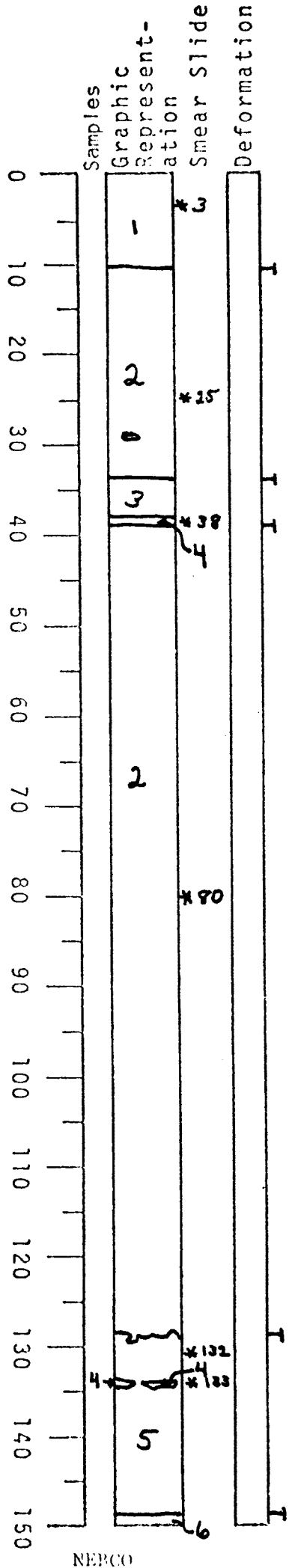


VISUAL CORE DESCRIPTION

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

STATION#				OBSERVER
		2	1	DR

1) 0-9 cm Diatom Ooze
5GY 3/2, grayish olive green soupy, highly deformed, basal contact irregular

2) 9-33 cm, 40-128 cm, 184-268 cm Diatom Ooze (silt-bearing) moderate olive brown, 5Y 4/4, 9-17 cm deformed, 17-33 cm relatively undeformed, olive black spots (5Y 2/1) at 23 and 28 cm, basal contact sharp

3) 33-37 cm Clay-bearing Silty Diatom Ooze
grayish olive (10Y 4/2), undeformed, basal contact sharp, homogeneous

4) 37-39 cm, 133-134 cm, 157-160 cm, 163-169 cm, 200 cm, Silt-bearing very fine Sand
Olive black (5Y 2/1), sharp contacts at both top and bases, homogeneous

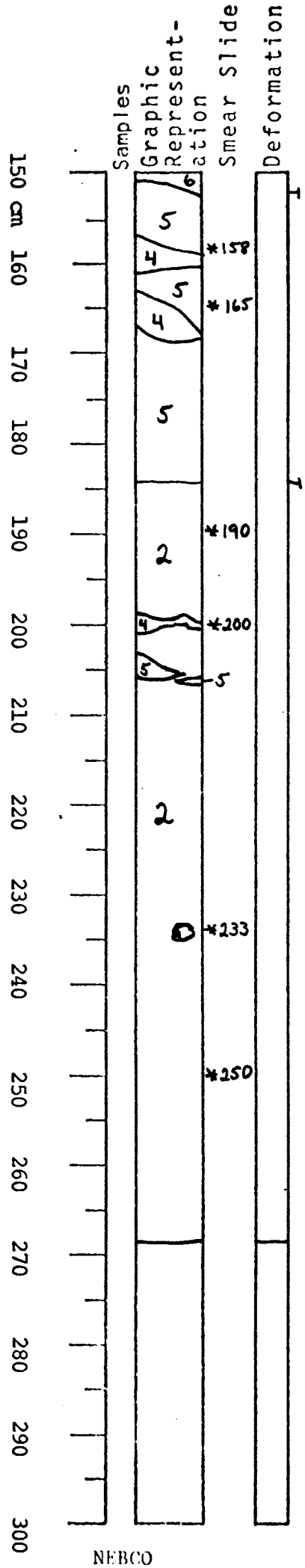
5) 128-148 cm Diatom-clay bearing Silt
grayish olive green (5GY 3/2) sharp but irregular upper contact, no deformation, homogeneous with exception of olive black (5Y 2/1) spots at 134 cm

6) 148-152 (see section 2 description page)

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	6	-	7	7				G	2	6			2

STATION#				OBSERVER
	2	1		DR



6) 148-152 cm <u>Silt-clay bearing Diatom Ooze</u>
dusk yellow green (5GY 5/2), homogeneous
sharp upper and basal contacts, no deformation

5) burrowing filled with (5) (see section 1 page), and an inclusion of silty-clayey bearing diatom-sponge spicule ooze, white (N9) occurs at 233-234 cm

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G26	1	3 cm	21	X		AAB

Sediment Name: Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Pyritized 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)

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SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G26	1	25 cm	21	X		AAB

Sediment Name: Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
	Silt		
	Clay		
	COMPOSITION		
	Quartz		
TR	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
TR	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
D	Diatoms		
	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)

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SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G26	1	35 cm	21	X		DR

Sediment Name: Clay-bearing Silty Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) zircon

2) clinopyroxene

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
S6-77	G26	1	38 cm	21		X	AAB

Sediment Name: Sand-bearing Sandy Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA
C	Sand	
D	Silt	
	Clay	
	COMPOSITION	
R-C	Quartz	fine sand-medium sand size
C	Feldspar	silt size (2 grains = An_{20} Oligoclase)
	Mica	
	Heavy Mnls.	
	Total Detrital	
	Clay Mnls.	
TR	Volc. Glass	
	Palagonite	
	Chlorite	
	Glauconite	
TR-R	Pyrite	filling diatom tests
	Micro Nodules	
	Dolo. Rhombs	
	Zeolite	
	Auth. Carb.	
R	Rock Frags.	
R	Opaques - Micronodules-pyrite?	
	Foraminifera	
	Calc. Nannos	
R	Diatoms	
	Radiolarians	
TR	Sponge Spic.	
	Silicoflag.	
TR	Fish Remains	(?)
	Plant Debris	

PER-CENT	DETAILED MINERALOGY

REMARKS:

Hypersthene; hematite (?)

Fecal pellet (?); fish debris (scales?)

Kelly green sand-size grain with dark green-bluish green birefringence

No rads or forams noted!

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
S6-77	G26	1	80 cm	21	X		AAB

Sediment Name: Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:
1 Diatom still retaining bluish-green color

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
S6-77	G26	1	132 cm	21	X		DR

Sediment Name: Diatom-clay Bearing Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
A	Silt		
C	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
C	Clay Mnls.		
R	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
TR	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
R	Rock Frags.		Volcanic
TR	Foraminifera		only 2
	Calc. Nannos		
C	Diatoms		
	Radiolarians		
TR	Sponge Spic.		
TR	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) Pyrite
2) - TR
3) Zircon
4) Orthopyroxene
5) Pyritized 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)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G26	1	133 cm	21		X	AAB

Sediment Name: Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA
TR	Sand	
D	Silt	
	Clay	
	COMPOSITION	
R-C	Quartz	
C	Feldspar	plagioclase
	Mica	
R	Heavy Mnls.	hypersthene, epidote, clinopyroxene, zircon, hematite
	Total Detrital	
TR	Clay Mnls.	
TR	Volc. Glass	
	Palagonite	
	Chlorite	
	Glauconite	
R	Pyrite Micronodules infilling Diatom tests	
	Micro Nodules	
	Dolo. Rhombs	
	Zeolite	
	Auth. Carb.	
	Rock Frags.	
R	Opaques - Could be pyrite	
	Foraminifera	
	Calc. Nannos	
R-C	Diatoms	
	Radiolarians	
TR	Sponge Spic.	
	Silicoflag.	
TR	Fish Remains	
	Plant Debris	

PER-CENT	DETAILED MINERALOGY

REMARKS:

No rads or forams noted!

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
S6-77	G26	1	149 cm	21	X		DR

Sediment Name: Silt-Clay bearing Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) pyrite

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
S6-77	G26	2	158 cm	21	X		DR

Sediment Name: Silt-bearing very fine Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
D	Sand		very fine
C	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
A	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
TR	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
TR	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
TR	Diatoms less than 1%		
	Radiolarians		
TR	Sponge Spic. less than 1%		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) clinopyroxene, orthopyroxene
2) zircon
3) many inclusions in mineral grains

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
S6-77	G26	2	165 cm	21	X		DR

Sediment Name: Diatom-bearing Silt

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) clinopyroxene, orthopyroxene
2) zircon
3) large percentage of medium to coarse silt
4) heavy minerals - both opaques and pyroxenes
5)

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
S6-77	G26	2	190 cm	21	X		DR

Sediment Name: Silt-bearing Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		medium-very fine
R	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
R	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
TR	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
D	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)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G26	2	200 cm	21	X		DR

Sediment Name: Silt-bearing very fine Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
D-A	Sand		very fine to fine
C	Silt		
	Clay		
	COMPOSITION		
A	Quartz		
C	Feldspar		
	Mica		
A	Heavy Mnls.		
	Total Detrital		
TR	Clay Mnls.		
TR	Volc. Glass		
	Palagonite		
TR	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:

1) only small percentage of fine sand grains
2) clino and orthopyroxene
3) numerous opaque inclusions in minerals
4) some feldspars being altered to clays
5) polycrystalline quartz and monocrystalline quartz

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
S6-77	G26	2	233 cm	21		X	DR

Sediment Name: Silty-clayey bearing Diatom-Sponge spicule Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		fine-very fine
C	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
C	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
TR	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
TR	Radiolarians		
A	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)

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SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G26	2	250 cm	21	X		DR

Sediment Name: Silt-bearing Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
R	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
R	Clay Mnls.		
TR	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
TR	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
D	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)

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G26

STATION NO: 21

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm & 50-55 cm	Jim Gardner	USGS	Grain Size	8/27/77
	0-5 cm & 50-55 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	0-5 cm & 50-55 cm	Walt Dean	USGS	C - CO_3	8/27/77
	0-5 cm	Dave Klise	USGS	Clay X-Ray	8/27/77
	100-105 cm	Jim Gardner	USGS	Grain Size	8/27/77
	100-105 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	100-105 cm	Walt Dean	USGS	C - CO_3	8/27/77
2	150-155 & 200-205 cm	Jim Gardner	USGS	Grain Size	8/27/77
	150-155 & 200-205 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	150-155 cm & 200-205 cm	Walt Dean	USGS	C - CO_3	8/27/77
	250-255 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	250-255 cm	Walt Dean	USGS	C - CO_3	8/27/77
	250-255 cm	Jim Gardner	USGS	Grain Size	8/27/77
	255-260 cm	John Barron	USGS	Diatoms	8/27/77
	255-260 cm	Edith Stanley	UC Davis	Rads	8/27/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 42.87' N

LONGITUDE: -170° 49.08' W

STATION NO.: 21

LINE NO.: 107

DAY/MONTH/YEAR

DATE: 27/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
XBTG - 8	3158			
Gravity Core 26	3158	260 cm		
Gravity Core 27	3158	122 cm		

REMARKS:

XBTG - 8	240/0549	Lat. 55° 42.81' N, Long. -170° 49.85' W
G26	240/0621	Lat. 55° 42.92' N, Long. -170° 47.66' W
G27	240/0726	Lat. 55° 43.35' N, Long. -170° 48.48' W

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G27

STATION NO: 21

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/27/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 56.42' N

LONGITUDE: -170° 32.24' W

STATION NO.: 22

LINE NO.: 108

DAY/MONTH/YEAR

DATE: 28/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
XBTG - 9	2610 m			
Gravity Core 28	2630 m	230 cm		
Gravity Core 29	2648 m	262 cm		

REMARKS:

XBTG - 9	240/1024	55° 56.42' N, -170° 32.24' W
G28	240/1100	55° 56.42' N, -170° 32.24' W
G29	240/1158	55° 56.46' N, -170° 32.61' W

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: G28

STATION NO: 22

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	Whole Core	Keith Kvenvolden	USGS	Organic Geochem.	8/27/77
	Core Catcher	Edith Stanley	UC Davis	Rads	8/27/77
	Core Catcher	John Barron	USGS	Diatoms	8/27/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 56.42' N

LONGITUDE: -170° 32.24' W

STATION NO.: 22

LINE NO.: 108

DAY/MONTH/YEAR

DATE: 28/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
XBTG - 9	2610 m			
Gravity Core 28	2630 m	230 cm		
Gravity Core 29	2648 m	262 cm		

REMARKS:

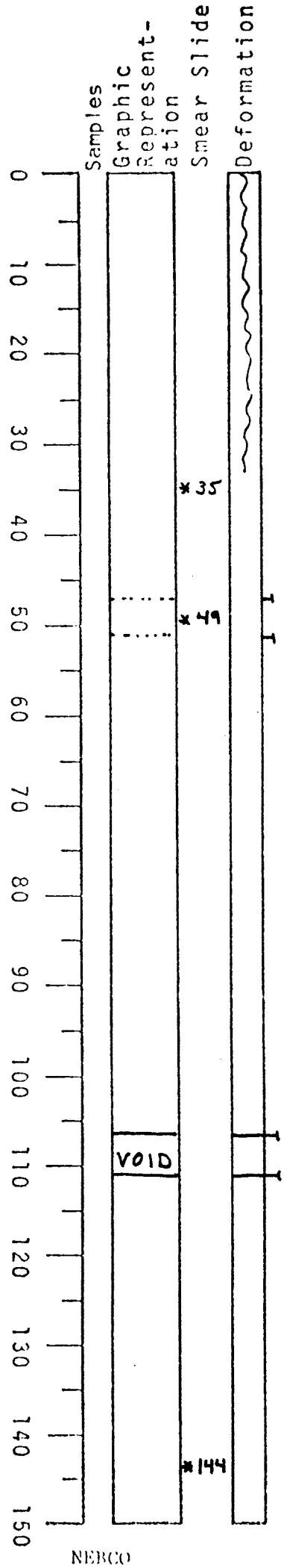
XBTG - 9	240/1024	55° 56.42' N, -170° 32.24' W
G28	240/1100	55° 56.42' N, -170° 32.24' W
G29	240/1158	55° 56.46' N, -170° 32.61' W

NEBCO

VISUAL CORE DESCRIPTION

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

STATION#				OBSERVER
	2	2		AAB



Diatom Ooze 1-150 cm
Olive gray (5Y 3/2, grayish black (N2) streaking at 72 cm, 109 cm, 133 cm, 146 cm. Core is soupy to 33 cm and essentially undeformed except for coring disturbance in upper 1-80 cm, homogeneous core

Diatom Ooze Olive gray (5Y 3/2) + Grayish Black (N2) 47-51 cm, no definite contacts, rather a "zone" of streaks (N2)

* Core cut wrong, no natural break in sedimentation; loss of 4 cm between 107 and 111 cm

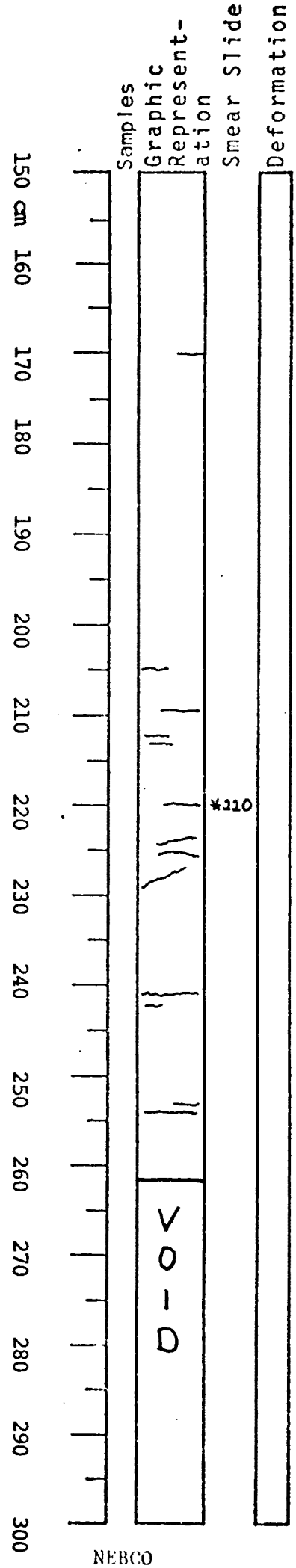
Section 1A = 0-107 cm
Section 1B = 111-150 cm

NEBCO

VISUAL CORE DESCRIPTION

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

STATION#				OBSERVER
		2	2	AAB



Silty Diatom Ooze 150-262 cm

Olive gray (5Y 3/2) with Grayish black (N2) streaking throughout entire section with concentrated "zones" (no definite contacts) at 169 cm, 205 cm, 209 cm, 213-262 cm = sporadic streaks. This section of core is essentially homogeneous and non-deformed; H_2S odor given off from core catcher

Bottom at 262 cm

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	G29	1A	35 cm	22	X		DR

Sediment Name: Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
R	Silt		
TR	Clay		
	COMPOSITION		
TR	Quartz		
TR	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
TR	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
TR	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
D	Diatoms		
	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
S6-77	G29	1A	49 cm	22	X		DR

Sediment Name: Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

1) Increase in silicoflagellates but only in trace amounts
2) zircon
3) clinopyroxene
4) (?) only a couple of them

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
S6-77	G29	1B	144 cm	22	X		DR

Sediment Name: Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
R	Silt		
R	Clay		
	COMPOSITION		
R	Quartz		
TR	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
R	Clay Mnls.		
TR	Volc. Glass		
	Palagonite		
TR	Chlorite		
	Glauconite		
	Pyrite		
TR	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
D	Diatoms		
TR	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
S6-77	G29	2	220 cm	22	X		DR

Sediment Name: Silty Diatom Ooze

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Hematite, zircon, pyrite

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: S6-77 SAMPLE NO: G29

STATION NO: 22

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Dave Klise	USGS	Clay X-Ray	8/27/77
	0-5 cm & 50-55 cm	Jim Gardner	USGS	Grain Size	8/27/77
	0-5 cm & 50-55 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	50-55 cm & 0-5 cm	Walt Dean	USGS	C - CO_3	8/27/77
	100-105 cm	Walt Dean	USGS	C - CO_3	8/27/77
	100-105 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	100-105 cm	Jim Gardner	USGS	Grain Size	8/27/77
2	150-155 & 200-205 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	150-155 cm & 200-205 cm	Walt Dean	USGS	C - CO_e	8/27/77
	200-205 & 150-155 cm	Jim Gardner	USGS	Grain Size	8/27/77
	250-255 cm	Jim Gardner	USGS	Grain Size	8/27/77
	250-255 cm	Walt Dean	USGS	C - CO_3	8/27/77
	250-255 cm	Walt Dean	USGS	Inorganic Geochem.	8/27/77
	Core Catcher	Edith Stanley	UC Davis	Rads	8/27/77
	Core Catcher	John Barron	USGS	Diatoms	8/27/77

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USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 54.76' N

LONGITUDE: -169° 57.37' W

STATION NO.: 23

LINE NO.: Dredge Survey

DAY/MONTH/YEAR

DATE: 28/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
X		

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Dredge 2	2300-1500	~20 kg.	Mudstone	

REMARKS:

Start of Dredge: 241/0751Z On Bottom

Lat. 55° 54.72' N, Long. -169° 57.41' W

241/0956 Off Bottom

Lat. 55° 54.52' N, Long. -169° 55.07' W

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	D2		SS #2	23	X		JVG

Sediment Name: Silt Sand-bearing Claystone (upper to middle Miocene)

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

PER-CENT	DETAILED MINERALOGY

REMARKS:

Actinocyclus ingens middle Miocene

Cosinodiscus pustulatus U. Pliocene

Cosinodiscus marginatus (?) upper Miocene

Denticula hustedii upper Miocene

Denticula lauta middle Miocene

Ebriopsis antiqua (spined) upper Miocene/lower Pliocene

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
S6-77	D2		SS #1	23	X		JVG

Sediment Name: Diatom Silt-bearing Claystone (upper to middle Miocene)

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
A	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.		
TR	Opaques		
	Foraminifera		
	Calc. Nannos		
C	Diatoms		
R	Radiolarians		
TR	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

Cosinodiscus marginatus

Actinocyclus ingene upper Miocene

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: S6-77 SAMPLE NO: D2

STATION NO: 23

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	unknown	Walt Dean	USGS	Inorganic Geochem.	8/29/77
	unknown	Tracy Vallier	USGS	Thin section analysis	8/29/77
	unknown	Jim Gardner	USGS	Grain Size	8/29/77

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 59.70' N

LONGITUDE: -169° 08.60' W

STATION NO.: 45

LINE NO.: DRSW

DAY/MONTH/YEAR

DATE: 31/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
X		

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Dredge #3	1880 m	No Recovery		
Dredge #4	1920 m	Recovery		

REMARKS:

Dredge #3 on bottom 244/0131
Lat. 55° 59.90' N, Long. -169° 09.10' W (LORAN)
No recovery - bag lost at shackle

Dredge #4 on bottom 244/0623
Lat. 55° 50.00' N, Long. -169° 09.00' W (LORAN)
Begin dredging 244/0719
Lat. 56° 00.30' N, Long. 169° 14.00' W
Dredge #4 off bottom 244/1244,
Dredge on deck 244/1257

NEBCO

SAMPLE LOG

LOCATOR: S6-77

SAMPLE NO: D3

STATION NO: 45

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
		Lost Bag - No Recovery			

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 59.70' N

LONGITUDE: -169° 08.60' W

STATION NO.: 45

LINE NO.: DRSW

DAY/MONTH/YEAR

DATE: 31/8/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
X		

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Dredge #3	1880 m	No Recovery		
Dredge #4	1920 m	Recovery		

REMARKS:

Dredge #3 on bottom 244/0131
Lat. 55° 59.90' N, Long. -169° 09.10' W (LORAN)
No recovery - bag lost at shackle

Dredge #4 on bottom 244/0623
Lat. 55° 50.00' N, Long. -169° 09.00' W (LORAN)
Begin dredging 244/0719
Lat. 56° 00.30' N, Long. 169° 14.00' W
Dredge #4 off bottom 244/1244,
Dredge on deck 244/1257

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC. #	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	D4	1		45			TV

Sediment Name: _____

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:

Rock billet - Hand Sample Description
Sandstone, light olive gray (5Y 6/1), medium grained, poorly sorted - probably a bimodal dish; abundant black heavy minerals, no notable evidence of stratification.

TS, IG, GZ

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
S6-77	D4	2		45		X	TV

Sediment Name: _____

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:

Billet Description

Breccia (tectonite), dusky green (5G 3/2) and dusky yellow green (5GY 5/2), chlorite-rich, looks something like a brecciated silicified mudstone. Glacial erratic origin is probable.

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.	~~XXXX~~ #	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	D4	3		45			TV

Sediment Name: _____

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:

Billet Description

Pebbly Sandstone, greenish gray (5G 6/1) and dark greenish gray (5GY 4/1) with greenish black (5GY 2/1) and translucent (quartz & feldspar) clasts, medium grained matrix, clasts are chlorite-rich ranging from coarse sand size to 5 mm, bedded.

TS

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.	~~XXXX~~ #	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	D4	4		45			TV

Sediment Name: _____

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:

Billet Descritpion

Pebbly Sandstone, pale olive (10Y 6/2), oxidized, medium grained with most clasts in coarse sand (1 mm) to 3 mm in diameter. One quartz/quartzite clast 1.5 cm in length. Weakly bedded (slightly inclined) most clasts are dark greenish gray and chlorite-rich.

TS

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.	~~XXX~~ #	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	D4	5		45			TV

Sediment Name: _____

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:

Billet Description

Sandstone, dark greenish gray (5G 4/1), coarse grained, poorly sorted, calcite veins, may be volcanic provenance.

TS, IG

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.	~~SSS.~~ #	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	D4	6		45			TV

Sediment Name: _____

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:

Billet Description

Pebbly Sandstone, light olive gray (5Y 5/2) and dusky yellowish brown (10YR 2/2) interbedded, oxidized, medium grained with granule-sized clasts (2-4 mm) of chlorite-rich material and quartz. Weakly bedded as defined by oxidized layers.

TS, GZ

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.	~~XXXX~~ #	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	D4	7		45			TV

Sediment Name: _____

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:

Billet Description

Sandstone, light olive gray (5Y 5/2), medium to coarse grained, poorly sorted, weakly bedded as defined by oxidized zones, may have some forams.

GZ, TS

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
S6-77	D4	8		45			TV

Sediment Name: _____

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:

Billet Description

Sandstone, light olive gray (5Y 5/2), medium grained, poorly sorted, slightly inclined bedding, oxidized, probably burrowed after deposition but before induration.

IG, TS, GZ

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
S6-77	D4	9		45			TV

Sediment Name: _____

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:

Billet Description

Pebbly Sandstone, moderate yellow brown (10YR 5/4), oxidized, medium to coarse grained matrix, poorly sorted, large (8 mm) clast of green sandstone very similar to #5, weakly bedded

TS

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
S6-77	D4	10		45			TV

Sediment Name: _____

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:

Billet Description

Sandstone, moderate yellowish brown (10YR 5/4), medium to coarse grained, poorly sorted, some burrowing before lithification, weakly bedded, oxidized.

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
S6-77	D4	11		45			TV

Sediment Name: _____

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:

Billet Description

Sandstone, pale olive (10Y 6/2), oxidized, medium to coarse grained, poorly sorted, crudely layered - perhaps slightly graded, limonite-rich beds (laminations) and veins.

TS, GZ, IG

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
S6-77	D4	11		45			

Sediment Name: _____

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:

Micropaleontology

Dictyocha fibula - late Miocene

Coscinodiscus marginatus Ehr. forma fossilis - upper Miocene, range: upper Pliocene to mid-Miocene

?Cosmiodiscus insignis - range: upper Miocene

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
S6-77	D4	12		45			TV

Sediment Name: _____

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:

Billet Discription

Sandstone, pale olive (10Y 6/2), medium grained, poorly sorted, relatively massive, one clast 2 mm in diameter, uniform specimen relative to others.

IG, GZ, TS

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.	~~SEQ~~ #	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	D4	13		45			TV

Sediment Name: _____

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:

Billet Description

Pebbly Sandstone, moderate yellow brown (10YR 5/4), medium to coarse grained matrix with clasts up to 1 cm long, 1 clast of plutonic igneous rock (gabbro?) poorly sorted and larger clasts moderately well rounded, may have some forams.

Micropaleo:

Cosmiodiscus insignis - upper Miocene

TS

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
S6-77	D4	14		45			TV

Sediment Name: _____

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:

Billet Description

Sandstone, light olive gray (5Y 5/2) with thin veins of moderate brown limonite, poorly sorted, medium to coarse grained.

TS, IG

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~~ ~~XXXX~~ #	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	D4	15		45			TV

Sediment Name: _____

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:

Billet Description

Pebbly Sandstone, olive gray (5Y 4/1), matrix medium to coarse grained, very poorly sorted, one clast is greater than 1 cm long and is a greenish-gray pyrite-rich quartzitic sandstone

Micropaleo:

Coscinoduscus marginatus f. fossilis
upper Pliocene to Miocene

TS, IG (matrix)

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
S6-77	D4	16		45			TV

Sediment Name: _____

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:

Billet Description

Sandstone, grayish olive green (5GY 3/2), medium grained, moderately well sorted, veins oxidized to moderate brown, massive

TS, IG, Clay

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
S6-77	D4	17		45			TV

Sediment Name: _____

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:

Sandstone, dusky yellow green (5GY 5/2), medium to coarse grained, poorly sorted, fine bedding very faint, some clasts in granule-size range (2-4 mm)

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
S6-77	D4	18		45			TV

Sediment Name: _____

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:

Billet Description

Sandstone, dusky yellow green (5GY 5/2), medium to coarse grained, moderately to poorly sorted, very faint laminations, some oxidized blebs probably indicate former FeS_2 concentrations.

TS, IG, GZ

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.	~~SEX~~ #	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	D4	19		45			TV

Sediment Name: _____

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:

Billet Description

Sandstone, dusky yellow green (5GY 5/2), moderately well sorted, medium grained, poorly cemented - probably friable after drying.

GZ, Clay, TS

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
S6-77	D4	20		45			TV

Sediment Name: _____

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:

Billet Description

Sandstone, dusky yellow green (5GY 5/2) and dark greenish gray (5GY 4/1), fine to medium grained, moderately well sorted.

GZ, Clay, TS, IG

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
S6-77	D4	21		45			TV

Sediment Name: _____

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:

Billet Description

Pebbly Sandstone, light olive green (5Y 5/2) with moderate brown veins, coarse-grained matrix with clasts up to 4 mm in diameter, poorly sorted, weakly bedded.

GZ, TS

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
S6-77	D4	22		45			TV

Sediment Name: _____

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:

Billet Description

Sandstone, light olive gray (5Y 5/2) with moderate brown blebs and stringers, medium to coarse-grained, poorly sorted, poorly cemented.

GZ

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: S6-77 SAMPLE NO: D4

STATION NO: 45

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	Sandy Siltstone	Tracy Vallier	USGS	Petrology	9/1/77
1	" "	Jim Gardner	USGS	Grain Size	9/1/77
1	" "	Walt Dean	USGS/Denver	Inorgan. Geo-chem. & C-CO_3	9/1/77
1	" "	Edith Stanley	UC Davis	Rads	9/1/77
2	Chert	Tracy Vallier	USGS	Petrology	9/1/77
3	Pebbly Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
4	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
5	Sandy Siltstone	Tracy Vallier	USGS	Petrology	9/1/77
6	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
6	"	Jim Gardner	USGS	Grain Size	9/1/77
6	"	Walt Dean	USGS/Denver	Inorganic Geochem.	9/1/77
6	"	John Barron	USGS	Diatoms	9/1/77
7	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
7	"	Jim Gardner	USGS	Grain Size	9/1/77
7	"	Walt Dean	USGS/Denver	Inorganic Geochem.	9/1/77
7	"	Edith Stanley	UC Davis	Rads	9/1/77
8	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
8	"	Jim Gardner	USGS	Grain Size	9/1/77
8	"	Walt Dean	USGS	Inorganic Geochem.	9/1/77
8	"	Edith Stanley	USGS	Rads	9/1/77

NEBCO

SAMPLE LOG

LOCATOR: S6-77 SAMPLE NO: D4

STATION NO: 45

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
9	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
10	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
10	Mudstone	Jim Gardner	USGS	Grain Size	9/1/77
10	"	Edith Stanley	UC Davis	Fossils	9/1/77
10	"	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77
11	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
11	"	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77
11	"	Jim Gardner	USGS	Grain Size	9/1/77
11	"	Edith Stanley	UC Davis	Fossils	9/1/77
12	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
12	"	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77
12	"	Jim Gardner	USGS	Grain Size	9/1/77
12	"	Edith Stanley	UC Davis	Fossils	9/1/77
13	Pebbly Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
13	" "	Jim Gardner	USGS	Grain Size	9/1/77
13	" "	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77
13	" "	Edith Stanley	UC Davis	Fossils	9/1/77
14	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
14	"	Jim Gardner	USGS	Grain Size	9/1/77
14	"	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77

NEBCO

SAMPLE LOG

LOCATOR: S6-77 SAMPLE NO: D4

STATION NO: 45

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
14	Mudstone	Edith Stanley	UC Davis	Fossils	9/1/77
15	Pebbly Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
15	" "	Jim Gardner	USGS	Grain Size	9/1/77
15	" "	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77
15	" "	Edith Stanley	UC Davis	Fossils	9/1/77
16	Mudstone	John Barron	USGS	Diatoms	9/1/77
16	"	Tracy Vallier	USGS	Petrology	9/1/77
16	"	Jim Gardner	USGS	Grain Size	9/1/77
16	"	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77
17	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
17	"	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77
17	"	Jim Gardner	USGS	Grain Size	9/1/77
17	"	Edith Stanley	UC Davis	Fossils	9/1/77
18	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
18	"	Walt Dean	USGS	Inorgan. Geochem. & C-CO_3	9/1/77
18	"	Edith Stanley	UC Davis	Fossils	9/1/77
18	"	Jim Gardner	USGS	Grain Size	9/1/77
19	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
19	"	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77
19	"	Jim Gardner	USGS	Grain Size	9/1/77

SAMPLE LOG

LOCATOR: S6-77 SAMPLE NO: D4

STATION NO: 45

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
19	Mudstone	John Barron	USGS	Diatoms	9/1/77
20	Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
20	"	Jim Gardner	USGS	Grain Size	9/1/77
20	"	John Barron	USGS	Diatoms	9/1/77
20	"	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77
21	Pebbly Mudstone	Tracy Vallier	USGS	Petrology	9/1/77
21	" "	Jim Gardner	USGS	Grain Size	9/1/77
21	" "	Edith Stanley	UC Davis	Fossils	9/1/77
21	" "	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77
22	Sandy Siltstone	Edith Stanley	UC Davis	Fossils	9/1/77
22	" "	Tracy Vallier	USGS	Petrology	9/1/77
22	" "	Jim Gardner	USGS	Grain Size	9/1/77
22	" "	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77
23	Mud	Jim Gardner	USGS	Grain Size	9/1/77
23	"	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77
23	"	Edith Stanley	UC Davis	Fossils	9/1/77
24	Mud	Jim Gardner	USGS	Grain Size	9/1/77
24	"	John Barron	USGS	Diatoms	9/1/77
24	"	Walt Dean	USGS/Denver	Inorgan. Geochem. & C-CO_3	9/1/77

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE LORAN 18274.5

LONGITUDE LORAN 35067.6

STATION NO. 48

LINE NO. DRSX

DAY/MONTH/YEAR

DATE 1/9/77

TYPE OF STORAGE (check one)

[X] DRY [ ] COLD [ ] FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Dredge #5	2462 m			

REMARKS:

Dredge #5
In water 0433 starting down
on bottom 0450
Hding 295 @ 3 kts.
Dredge off bottom 245/0821
Bag on deck 245/0830

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S6-77	D5			48	X		TV

Sediment Name: _____

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
	Silt		
	Clay		
	COMPOSITION		
TR	Quartz		
C	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
A	Clay Mnls.		Illite?
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
R	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:

Hand Specimen Description

Mudstone, dark greenish gray, 5G 4/1, well indurated, weakly bedded, some darker stringers and blebs on fresh surfaces.

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: S6-77

SAMPLE NO: D5

STATION NO: 48

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Dominant Lithology	Tracy Vallier	USGS	Petrology	9/2/77
	" "	Walt Dean	USGS/Denver	Inorganic Geochem.	9/2/77
	" "	Dave Klise	USGS	Clay Miner.	9/2/77
	" "	John Barron	USGS	Diatoms	9/2/77
	" "	Jim Gardner	USGS	Grain Size	9/2/77
	" "	Edith Stanley	USGS	Rads	9/2/77

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 09.61' N

LONGITUDE -169° 54.16' W

STATION NO. 24

LINE NO. 110

DAY/MONTH/YEAR

DATE 29/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
XBTG #10	125 m			
Van Dorn 01	125 m			
Van Dorn 02	125 m			
CTDM 01	125 m			

REMARKS:

XBTG #10 at 241/1339
Van Dorn 1 from surface 241/1346
Van Dorn 2 from 123 meters 241/1500
CTD: 241/1538

For specific data, contact Herman Karl, USGS Menlo Park

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 14.56' N

LONGITUDE: -169° 49.42' W

STATION NO.: 25

LINE NO.: 111

DAY/MONTH/YEAR

DATE: 29/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
XBTG #11	130 m			
CTDM 02	130 m			
Van Dorn 03	130 m			
Van Dorn 04	130 m			
HYDP 01	130 m			

REMARKS:

XBTG #11, 241/1734, 56° 17.48' N, -169° 49.26' W
CTDM 02, 241/1747, 56° 14.05' N, -169° 49.59' W
Van Dorn 03 from surface: 241/1734
Van Dorn 04 from 128 m: 241/1800
HYDP: 241/1827-?

For specific data, contact Herman Karl, USGS Menlo Park

HYDP = Current meter

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 19.37' N

LONGITUDE: -169° 44.97' W

STATION NO.: 26

LINE NO.: 111

DAY/MONTH/YEAR

DATE: 29/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM 03	137 m			
Van Dorn 05	137 m			
HYDP 02	137 m			
Van Dorn 06	137 m			

REMARKS:

CTDM #3, 241/2126, 056° 19.33' N, -169° 44.66' W
Van Dorn 05 from surface, 241/2100
HYDP 02 in water 241/2203, 056° 19.23' N, -169° 44.71' W
Van Dorn 06 from bottom, 241/2303

For specific data, contact Herman Karl (USGS) Menlo Park

HYDP = Current Meter

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 24.49' N

LONGITUDE: -169° 40.53' W

STATION NO.: 27

LINE NO.: 112

DAY/MONTH/YEAR

DATE: 29/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTD #04	106 m			
Van Dorn 07	106 m			
HYDP #03	108 m			
Van Dorn 08	108 m			
Van Dorn 09	108 m			

REMARKS:

CTDM #04 in water 242/0007, Lat. 56° 24.46' N, Long. -169° 40.22' W
Van Dorn #07, 242/0001 at surface
Van Dorn #08, 242/0028 at bottom
Van Dorn #09, 242/0028 at 30 meters
HYDP 03, 242/0028

For specific data contact Herman Karl, USGS Menlo Park.

HYDP = Current Meter

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 16.54' N (Sat. update)

LONGITUDE: -169° 39.91' W

STATION NO.: 28

LINE NO.: 113

DAY/MONTH/YEAR

DATE: 29/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #05	183 m			
Van Dorn #10	182 m			
Van Dorn #11	182 m			
Van Dorn #12	182 m			
Van Dorn #13	182 m			
HYDP #4	182 m			

REMARKS:

CTDM #5- 242/0157, Lat. 56° 17.22' N, Long. -169° 40.38' W
(correct to above Lat. & Long.)
Van Dorn #10, Surface Sample
Van Dorn #11, Sample from 27 meters, 242/0227
Van Dorn #12, Sample from 55 meters, 242/0227
Van Dorn #13, Bottom sample (182 meters), 242/0227
HYDP #4, 242/0213, Lat. 56° 17.20' N, Long. -169° 40.24' W
(correct to above, post-sat. Lat. & Long.)

For specific data contact Herman Karl, USGS Menlo Park

HYDP = Current Meter

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 11.78' N

LONGITUDE: -169° 40.02' W

STATION NO.: 29

LINE NO.: 114

DAY/MONTH/YEAR

DATE: 29/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #6	342 m			
HYDP #5	341 m			
Van Dorn #14	341 m			
Van Dorn #15	341 m			
Van Dorn #16	341 m			
Van Dorn #17	341 m			

REMARKS:

CTDM #6, 242/0324, Lat. 56° 11.75' N, Long. -169° 39.85' W
HYDP #5, 242/0345, Lat. 56° 11.70' N, Long. -169° 39.93' W (Current Meter)
Van Dorn #14, 242/0320, Surface sample
Van Dorn #15, 242/0400, Sample from 10 meters
Van Dorn #16, 242/0400, Sample from 80 meters
Van Dorn #17, 242/0400, Bottom sample, 341 meters

For specific data contact Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 04.24' N (Sat. update)

LONGITUDE -169° 35.17' W (Sat. update)

STATION NO. 30

LINE NO. 115

DAY/MONTH/YEAR

DATE 29/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Van Dorn #18	178 m			
CTDM #7	178 m			
HYDP #6	178 m			
Van Dorn #19	178 m			
Van Dorn #20	178 m			
Van Dorn #21	178 m			

REMARKS:

Van Dorn #18, 242/0504, Surface Sample
CTDM #7, 242/0510, 56° 04.24' N, -169° 35.26' W (pre-update)
HYDP #6, 242/0524, 56° 04.22' N, -169° 35.33' W (post-update) (Current Meter)
Van Dorn #19, 242/0536, Sample from 27 meters
Van Dorn #20, 242/0536, Sample from 76 meters
Van Dorn #21, 242/0536, Sample from 176 meters

For specific data contact Herman Karl, USGS Menlo Park.

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 08.51' N

LONGITUDE -169° 31.79' W

STATION NO. 31

LINE NO. 116

DAY/MONTH/YEAR

DATE 29/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Van Dorn #22	576 m			
CTDM #8	573 m			
HYDP # 7	570 m			
Van Dorn #23	573 m			
Van Dorn #24	573 m			
Van Dorn #25	573 m			

REMARKS:

Van Dorn #22, 242/0648, surface sample
Van Dorn #23, 242/0722, sample from 10 meters
Van Dorn #24, 242/0722, sample from 50 meters
Van Dorn #25, 242/0722, sample from 572 meters
HYDP #07, 242/0718, 56° 08.43' N, -169° 32.01' W (Current Meter)
CTDM #8, 242/0651, 56° 08.49' N, -169° 31.84' W

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 13.96' N

LONGITUDE: -169° 21.65' W

STATION NO.: 32

LINE NO.: 117

DAY/MONTH/YEAR

DATE: 29/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Van Dorn #26	377 m			
Van Dorn #27	372 m			
Van Dorn #28	372 m			
CTDM #9	364 m			
Van Dorn #29	372 m			
XBTG #12	366 m			

REMARKS:

Van Dorn #26, 242/0843, surface sample
Van Dorn #27, 242/1010, sample from 13 meters
Van Dorn #28, 242/1010, sample from 37 meters
CTDM #9, 242/0925, 56° 14.04' N, -169° 22.27' W
Van Dorn #29, 242/1010, sample from 371 meters
XBTG #12, 242/0902

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 19.19' N

LONGITUDE: -169° 22.00' W

STATION NO.: 33

LINE NO.: 118

DAY/MONTH/YEAR

DATE: 30/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Van Dorn #30	157 m			
CTDM #10	153 m			
Van Dorn #31	153 m			
Van Dorn #32	153 m			
Van Dorn #33	153 m			
HYDP #8	151 m			

REMARKS:

HYDP = Current Meter

Van Dorn #30, 242/1104, surface sample, 56° 19.19' N, -169° 22.00' W
CTDM #10, 242/1128, 56° 19.36' N, -169° 22.18' W
Van Dorn #33, 242/1150, bottom sample, 152 meters
Van Dorn #31, sample from 12.5 meters
Van Dorn #32, sample from 42.5 meters
HYDP, Current meter #08, 242/1138

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 19.26' N

LONGITUDE -169° 08.41' W

STATION NO. 34

LINE NO. 119

DAY/MONTH/YEAR

DATE 30/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #11	141 m			
Van Dorn #34	141 m			
Van Dorn #35	141 m			
Van Dorn #36	141 m			
Van Dorn #37	141 m			

REMARKS:

CTDM #11, 242/1342Z
Van Dorn #34, 242/1330Z, Surface sample, 0 meters
Van Dorn #35, 242/1400, sample from 12.5 meters
Van Dorn #36, 242/1400, sample from 55.0 meters
Van Dorn #37, 242/1400, bottom sample, 140 meters

For specific data see Herman Karl, USGS Menlo Park

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 14.57' N

LONGITUDE -169° 13.20' W

STATION NO. 35

LINE NO. 120

DAY/MONTH/YEAR

DATE 30/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #12	182 m			
HYDP #9	184 m			
Van Dorn #38	182 m			
Van Dorn #39	182 m			
Van Dorn #40	182 m			
Van Dorn #41	182 m			

REMARKS:

CTDM #12, 242/1457Z
HYDP #9 (Current Meter), 242/1515Z
Van Dorn #38, 242/1456Z, sample from 0 meters, surface
Van Dorn #39, 242/1519Z, sample from 12.5 meters
Van Dorn #40, 242/1519Z, sample from 50.0 meters
Van Dorn #41, 242/1519Z, sample from 181 meters, bottom

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 10.40' N

LONGITUDE -169° 18.58' W

STATION NO. 36

LINE NO. 120

DAY/MONTH/YEAR

DATE 30/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #13	660 m			
Van Dorn #42	660 m			
Van Dorn #43	660 m			
Van Dorn #44	660 m			
Van Dorn #45	660 m			

REMARKS:

CTDM #13, 242/
Van Dorn #42, 242/1630, surface sample, 0 meters
Van Dorn #43, 242/1723, sample from 15 meters
Van Dorn #44, 242/1723, sample from 55 meters
Van Dorn #45, 242/1723, sample from 655 meters

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 06.69' N

LONGITUDE -169° 22.30' W

STATION NO. 37

LINE NO. 120

DAY/MONTH/YEAR

DATE 30/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #14	511 m			
HYDP #10	492 m			
Van Dorn #46	Sample Depth 0 m			
Van Dorn #47	8.5 m			
Van Dorn #48	60 m			
Van Dorn #49	510 m			

REMARKS:

Van Dorn #46, 242/1815, surface sample, 0 meters
Van Dorn #47, 242/1850, sample from 8.5 meters
Van Dorn #48, 242/1850, sample from 60 meters
Van Dorn #49, 242/1850, sample from 510 meters
CTDM #14, 242/1830
HYDP #10 (Current Meter), 242/1859

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 01.43' N

LONGITUDE -169° 23.82' W

STATION NO. 38

LINE NO. 120

DAY/MONTH/YEAR

DATE 30/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #15	670 m			
Van Dorn #50	Surface Samp.			
Van Dorn #51	No Recovery			
Van Dorn #52	No Recovery			
Van Dorn #53	No Recovery			
CTDM #16	571 m			
HYDP #11	570 m			
Van Dorn #54	680 m			
Van Dorn #55	680 m			
Van Dorn #56	680 m			

REMARKS:

CTDM #15, 242/2030
Van Dorn #50, surface sample
Van Dorn #51, #52, and #53, No Recovery
CTDM #16, 242/2133
HYDP #11 (Current Meter), 242/2207
Van Dorn #54, 242/2240, sample from 25 meters
Van Dorn #55, 242/2240, sample from 50 meters
Van Dorn #56, 242/2240, sample from bottom, 680 meters

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 58.53' N (Sat. update 243/0138

LONGITUDE: -169° 13.29' W

STATION NO.: 39

LINE NO.: 121

DAY/MONTH/YEAR

DATE: 30/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #17	970 m			
Van Dorn #57	1038 m			
Van Dorn #58	1038 m			
Van Dorn #59	1038 m			
Van Dorn #60	1038 m			

REMARKS:

CTD #17, 243/0017Z
Van Dorn #57, surface sample
Van Dorn #58, sample from 10 meters
Van Dorn #59, sample from 25 meters
Van Dorn #60, bottom sample, 1037 meters, no recovery

For specific data see Herman Karl, USGS, Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 05.75' N

LONGITUDE: -169° 07.63' W

STATION NO.: 40

LINE NO.: 122

DAY/MONTH/YEAR

DATE: 30/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #18	1295 m			
Van Dorn #61	1295 m			
Van Dorn #62	1137 m			
Van Dorn #63	1137 m			
Van Dorn #64	1137 m			
Van Dorn #65	1137 m			

REMARKS:

CTDM #18, 243/0252
Van Dorn #61, surface sample, 243/0248
Van Dorn #62, sample from 10 meters, 243/0347
Van Dorn #63, sample from 100 meters, 243/0347
Van Dorn #64, sample from 340 meters, 243/0347
Van Dorn #65, sample from 1136 meters, 243/0347

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 17.67' N

LONGITUDE: -168° 55.78' W

STATION NO.: 41

LINE NO.: 123

DAY/MONTH/YEAR

DATE: 30/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Van Dorn #66	136 m			
CTDM #19	136 m			
HYDP #12	136 m			
Van Dorn #67	136 m			
Van Dorn #68	136 m			
Van Dorn #69	136 m			

REMARKS:

CTDM #19, 243/0552Z
HYDP #12 (Current Meter), start 243/0604Z
Van Dorn #66, surface sample
Van Dorn #67, sample from 10 meters
Van Dorn #68, sample from 60 meters
Van Dorn #69, sample from 135 meters

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 12.52' N

LONGITUDE -168° 58.77' W

STATION NO. 42

LINE NO. 124

DAY/MONTH/YEAR

DATE 30/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #20	175 m			
Van Dorn #70	175 m			
Van Dorn #71	175 m			
Van Dorn #72	175 m			
Van Dorn #73	175 m			
HYDP #13	175 m			

REMARKS:

CTDM #20, 243/0709Z
Van Dorn #70, 243/0703Z, surface sample
Van Dorn #71, sample from 15 meters, 243/0730
Van Dorn #72, sample from 63 meters, 243/0730
Van Dorn #73, sample from 174 meters, bottom, 243/0730
HYDP #13 (Current Meter), 243/0721

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 06.86' N

LONGITUDE: -168° 56.30' W

STATION NO.: 43

LINE NO.: 125

DAY/MONTH/YEAR

DATE: 30/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #21	698 m			
HYDP #14	300 m			
Van Dorn #74	Sample Depth 0 m			
Van Dorn #75	7 m			
Van Dorn #76	75 m			
Van Dorn #77	702 m			

REMARKS:

CTDM #21, 243/0820Z
HYDP #14 = Current Meter
Van Dorn #74, surface sample
Van Dorn #75, sample from 7 meters
Van Dorn #76, sample from 75 meters
Van Dorn #77, sample from 702 meters, bottom

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 02.3' N

LONGITUDE -169° 05' W

STATION NO. 44

LINE NO. 126

DAY/MONTH/YEAR

DATE 31/8/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #22	948 m			
Van Dorn #78	1020 m			
Van Dorn #79	1020 m			
XBT #13				

REMARKS:

Van Dorn #78, surface sample, 243/1337
Van Dorn #79, bottom sample from 1020 meters, 243/1337
CTDM #22, 243/1238
XBT #13, 243/1246

For specific data see Herman Karl, USGS Menlo Park

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 56.7' N

LONGITUDE: -169° 07.8' W

STATION NO.: 46

LINE NO.: 127

DAY/MONTH/YEAR

DATE: 1/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #23	1259 m			
Van Dorn #80	1250 m			
Van Dorn #81	1350 m			

REMARKS:

Van Dorn #80, surface sample, 244/1440
Van Dorn #81, bottom sample, 1350 meters, 244/1555
CTDM #23, 244/1509

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 54.2' N

LONGITUDE: -169° 57.8' W

STATION NO.: 47

LINE NO.: 127

DAY/MONTH/YEAR

DATE: 1/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #24	300 m			
Van Dorn #82	Sample Depth 0 m			
Van Dorn #83	380 m			
CTDM #25	300 m			

REMARKS:

CTDM #24, 244/1726, wrong scale on recorder, done twice
Van Dorn #82, surface sample, 244/1720
Van Dorn #83, bottom sample, 244/1812
CTDM #25, 244/1735

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 57.29' N

LONGITUDE: -168° 52.50' W

STATION NO.: 49

LINE NO.: 128

DAY/MONTH/YEAR

DATE: 2/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #26	570 m			
Van Dorn #84	Sample Depth 0 m			
Van Dorn #85	17.5 m			
Van Dorn #86	65.0 m			
Van Dorn #87	880 m			
HYDP #15	300 m			
CRMA #1	831 m			

REMARKS:

CTDM #26, 245/1359
Van Dorn #84, 245/1259Z, surface sample
Van Dorn #85, 245/1530Z, sample from 17.5 meters
Van Dorn #86, 245/1530Z, sample from 65 meters
Van Dorn #87, 245/1530Z, bottom sample from 880 meters
HYDP #15 (Current Meter), 245/1420
CMRA #1, 245/1739-1745Z

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 03.0' N

LONGITUDE -168° 43.5' W

STATION NO. 50

LINE NO. 129

DAY/MONTH/YEAR

DATE 2/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTD #27	694 m			
Van Dorn #88	694 m			
Van Dorn #89	694 m			
Van Dorn #90	694 m			
Van Dorn #91	694 m			
HYDP #16	694 m			

REMARKS:

Van Dorn #88, 245/1941, surface sample, 0 meters
Van Dorn #89, 245/2130, sample from 10 meters
Van Dorn #90, 245/2130, sample from 100 meters
Van Dorn #91, 245/2130
CTD #27, 245/1949
HYDP #16 (Current Meter), 245/2030

Specific data available from Herman Karl, USGS Menlo Park

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 54.40' N

LONGITUDE: -168° 50.60' W

STATION NO.: 51

LINE NO.: 130

DAY/MONTH/YEAR

DATE: 2/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Van Dorn #92	168 m			
Van Dorn #93	168 m			
Van Dorn #94	168 m			
Van Dorn #95	168 m			
CTDM #28	168 m			
HYDP #17	168 m			

REMARKS:

Van Dorn #92, 245/2311, surface sample, 0 meters
Van Dorn #93, 245/2340, sample from 10 meters
Van Dorn #94, 245/2340, sample from 58 meters
Van Dorn #95, 245/2340, sample from 167 meters
CTDM #28, 245/2317
HYDP #17 (Current Meter), 245/2341

For specific data see Herman Karl, USGS Menlo Park

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 055° 48.67' N

LONGITUDE -168° 25.18' W

STATION NO. 52

LINE NO. 131

DAY/MONTH/YEAR

DATE 2/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CMRA #2/T.V. #1	143 m			
CTD #29	144 m			
HYDP #18	144 m			
Van Dorn #96	144 m			
Van Dorn #97	144 m			
Van Dorn #98	144 m			
Van Dorn #99	144 m			

REMARKS:

LORAN-C: 18385.0/34963.3
CMRA #2/T.V. #1, lowered together, 246/0203Z on bottom, 246/0212Z off bottom
25 pictures
CTDM #29, 246/0257Z
HYDP #18, 246/0313Z (Current Meter)
Van Dorn #96, 246/0338Z, surface sample, 0 meters
Van Dorn #97, 246/0338Z, sample from 10 meters
Van Dorn #98, 246/0338Z, sample from 25 meters
Van Dorn #99, 246/0338Z, sample from 143 meters

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 53.75' N

LONGITUDE: -168° 28.72' W

STATION NO.: 53

LINE NO.: 132

DAY/MONTH/YEAR

DATE: 2/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #30	150 m			
Van Dorn #100	150 m			
Van Dorn #101	150 m			
Van Dorn #102	150 m			
Van Dorn #103	150 m			
HYDP #19	150 m			

REMARKS:

LORAN: 18409.2/34966.0
CTDM #30, 246/0425Z
Van Dorn #100, surface sample, 0 meters
Van Dorn #101, sample from 7.5 meters
Van Dorn #102, sample from 105 meters
Van Dorn #103, sample from 150 meters, bottom
HYDP #19 (Current Meter), 246/0440Z

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 055° 57.81' N

LONGITUDE -168° 31.19' W

STATION NO. 54

LINE NO. 132

DAY/MONTH/YEAR

DATE 2/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #31	169 m			
HYDP #20	169 m			
Van Dorn #104	169 m			
CMRA #3/T.V. #2	171 m			
Van Dorn #105	171 m			
Van Dorn #106	171 m			
Van Dorn #107	171 m			
Van Dorn #108	171 m			

REMARKS:

LORAN: 18429.8/34966.5
CMRA #3/T.V. #2 on bottom at 246/0550Z (171 meters), off bottom at 246/0618 (168 meters)
CTDM #31, 246/0642Z, nice stratification
HYDP #20 (Current Meter), 246/0658Z
Van Dorn #104, surface sample, 0 meters
Van Dorn #105, sample from 15 meters
Van Dorn #106, sample from 55 meters
Van Dorn #107, sample from 70 meters
Van Dorn #108, sample from 170 meters, bottom

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 04.47' N

LONGITUDE -168° 34.54' W

STATION NO. 55

LINE NO. 132

DAY/MONTH/YEAR

DATE 2/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #32	652 m			
HYDP #21	615 m			
Van Dorn #109	652 m			
Van Dorn #110	663 m			
Van Dorn #111	663 m			
Van Dorn #112	663 m			

REMARKS:

LORAN C: 18464.6/34965.3
Van Dorn #109, surface sample, 0 meters, 246/0824
Van Dorn #110, sample from 40 meters, 246/1300
Van Dorn #111, sample from 175 meters, 246/1300
Van Dorn #112, sample from 663 meters, 246/1300
CTDM #32, 246/0825Z
HYDP #21 (Current Meter), 246/0904Z (175 meters)

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 056° 09.95' N (LORAN-C)

LONGITUDE: -168° 35.75' W (LORAN-C)

STATION NO.: 56

LINE NO.: 132

DAY/MONTH/YEAR

DATE: 3/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #33	340 m			
Van Dorn #113	Sample Depth 0 m			
Van Dorn #114	18 m			
Van Dorn #115	125 m			
Van Dorn #116	361 m			

REMARKS:

Van Dorn #113, 246/1410, surface sample
Van Dorn #114, 246/1456, sample from 18 meters
Van Dorn #115, 246/1456, sample from 125 meters
Van Dorn #116, 246/1456, sample from 361 meters
CTD #33, 246/1414

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 14.10' N (LORAN-C)

LONGITUDE -168° 38.85' W (LORAN-C)

STATION NO. 57

LINE NO. 132

DAY/MONTH/YEAR

DATE 3/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #34	204 m			
Van Dorn #117	207 m			
Van Dorn #118	207 m			
Van Dorn #119	207 m			
Van Dorn #120	207 m			
CMRA #4				
TV1S #3				
HYDP #22	204 m			

REMARKS:

CTD #34, 246/1548
Van Dorn #117, 246/1540, surface sample, 0 meters
Van Dorn #118, 246/1640, sample from 71.7 meters
Van Dorn #119, 246/1640, sample from 98.3 meters
Van Dorn #120, 246/1640, sample from 206 meters
CMRA #4, 246/1754
TV1S #3, 246/1754
HYDP #22 (Current Meter), 246/1601

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 18.65' N (Sat. update)

LONGITUDE -168° 38.60' W (Sat. update)

STATION NO. 58

LINE NO. 132

DAY/MONTH/YEAR

DATE 3/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #35	153 m			
Van Dorn #121	153 m			
Van Dorn #122	153 m			
Van Dorn #123	153 m			
Van Dorn #124	153 m			
HYDP #23	142 m			
CMRA #5	147 m			
TVIS #4	147 m			

REMARKS:

CTD #35, 246/1908
Van Dorn #121, 246/1904, surface sample, 0 meters
Van Dorn #122, 246/1947, sample from 55 meters
Van Dorn #123, 246/1947, sample from 75 meters
Van Dorn #124, 246/1947, sample from 152 meters
HYDP #23 (Current Meter), 246/1923
CMRA #5, 246/2010
TVIS #4, 246/2010

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 18.29' N (Sat. nav.)

LONGITUDE -168° 20.38' W (Sat. nav.)

STATION NO. 59

LINE NO. 133

DAY/MONTH/YEAR

DATE 3/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTDM #36	165 m			
HYDP #24	162 m			
T.V. #5	162 m			
CMRA #6	162 m			
Van Dorn #125	162 m			
Van Dorn #126	157 m			
Van Dorn #127	157 m			
Van Dorn #128	157 m			

REMARKS:

CTDM #36, 246/2230
HYDP #24, 246/2245
CMRA #6, 246/2327
T.V. #5, 246/2327
Van Dorn #125, 246/2225
Van Dorn #126, #127 & #128, 246/0112, Lat. 58° 17.16'N, Long. -168° 18.90'W

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 12.74' N

LONGITUDE -168° 17.47' W

STATION NO. 60

LINE NO. 134

DAY/MONTH/YEAR

DATE 3/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTD #37	160 m			
HYDP #25	160 m			
Van Dorn #129	160 m			
Van Dorn #130	160 m			
Van Dorn #131	160 m			
Van Dorn #132	160 m			

REMARKS:

CTD #37, 247/0207
HYDP #25, 247/0219
Van Dorn #129, 247/0202, Surface sample
Van Dorn #130, 247/0250, sample from 7.5 meters
Van Dorn #131, 247/0250, sample from 40 meters
Van Dorn #132, 247/0250, sample from bottom (160 meters)

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 07.19' N

LONGITUDE -168° 15.10' W

STATION NO. 61

LINE NO. 135

DAY/MONTH/YEAR

DATE 3/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTD #38	159 m			
HYDP #26	159 m			
T. V. #6	159 m			
CMRA #7	159 m			
Van Dorn #133	159 m			
Van Dorn #134	159 m			
Van Dorn #135	159 m			
Van Dorn #136	159 m			

REMARKS:

CTD #38, 247/0434
HYDP #26, 247/0448
T.V. #6 and CMRA #7, 247/0350
Van Dorn #133, 247/0336
Van Dorn #134, #135 and #136, 247/0515

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 06.29' N

LONGITUDE -168° 20.95' W

STATION NO. 62

LINE NO. 136

DAY/MONTH/YEAR

DATE 3/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTD #39	204 m			
HYDP #27	204 m			
T.V. #7	204 m			
CMRA #8	204 m			
Van Dorn #137	204 m			
Van Dorn #138	204 m			
Van Dorn #139	204 m			
Van Dorn #140	204 m			

REMARKS:

CTD #39, 247/0713
HYDP #27, 247/0730
T.V. #7 and CMRA #8, 247/0638
Van Dorn #137, 247/0622, surface sample
Van Dorn #138, 247/0800, sample from 5 meters
Van Dorn #139, 247/0800, sample from 75 meters
Van Dorn #140, 247/0800, sample from bottom (204 Meters)

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG S6-77

LATITUDE 056° 01.91' N

LONGITUDE -168° 12.27' W

STATION NO. 63

LINE NO. 137

DAY/MONTH/YEAR

DATE 4/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTD #40	153 m			
Van Dorn #141	153 m			
Van Dorn #142	153 m			
Van Dorn #143	153 m			
Van Dorn #144	153 m			

REMARKS:

CTD #40, 247/0900
Van Dorn #141, 247/0856
Van Dorn #142, #143 and #144, 247/0923

For specific data see Herman Karl, USGS Menlo Park

NEBCO

USGS STATION LOG

SHIP / LEG: S6-77

LATITUDE: 055° 56.14' N

LONGITUDE: -168° 09.67' W

STATION NO.: 64

LINE NO.: 138

DAY/MONTH/YEAR

DATE: 4/9/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
CTD #41	146 m			
Van Dorn #145	146 m			
Van Dorn #146	146 m			
Van Dorn #147	146 m			
Van Dorn #148	146 m			

REMARKS:

CTD #41, 247/1025
Van Dorn #145, 247/1020
Van Dorn #146, 247/1053
Van Dorn #147, 247/1053
Van Dorn #148, 247/1053

For specific data see Herman Karl, USGS Menlo Park