USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 065° 36.2' N

LONGITUDE: -168° 12.3' W

STATION NO.: 1

LINE NO.:

DAY/MONTH/YEAR

DATE: 13/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
1A CTDM	34 m			
1B Current Meter	34 m			
1C Van Dorn	34 m			
1D Water Bucket	34 m	Surface Sample		
1E T.V. & Camera	34 m			

REMARKS:

For results from CTDM (conductivity, temperature, depth profile), Current meter, and water samples see Dave Cacchione or Dave Drake, USGS, Menlo Park, CA.

For information concerning T.V. and camera drop see C. Hans Nelson, USGS, Menlo Park, CA.

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 065° 36.5' N

LONGITUDE: -168° 25.8' W

STATION NO.: 2

LINE NO.: 6

DAY/MONTH/YEAR

DATE: 14/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
2A CTDM	50 m			
2B Current Meter	50 m			
2C Van Dorn	50 m			
2D Water Bucket	Surface Samp.			
Camera Drop	50 m			

REMARKS:

See Dave Cacchione or Dave Drake (USGS) for CTDM, Current meter or water sampling results.

See C. Hans Nelson for bottom photos.

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 065° 36.5' N

LONGITUDE -168° 36.4' W

STATION NO. 3

LINE NO. 6

DAY/MONTH/YEAR

DATE 14/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
3A CTDM	49 m			
3B Current Meter	49 m			
3C Van Dorn	49 m			
3D Water Bucket	Surface Samp.			
Camera Drop				

REMARKS:

For results from CTDM, Current Meter or Water sampling see Dave Cacchione or Dave Drake (USGS).

See C. Hans Nelson (USGS) for bottom photos.

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 065° 35.3' N

LONGITUDE -168° 59.7' W

STATION NO. 4

LINE NO. 6

DAY/MONTH/YEAR

DATE 14/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
4A Van Dorn	45 m			
4B Water Bucket	Surface Samp.			
4C XBT Drop	45 m			
4E Current Meter	45 m			
4F CTDM	45 m			
Camera Drop	45 m			

REMARKS:

Van Dorn Water samples taken at 5, 13, 21, 29, 37, and 45 meters.

For results from water samples, XBT drop, Current meter or CTDM see Dave Drake or Dave Cacchione (USGS, Menlo Park, CA).

For bottom photos see C. Hans Nelson.

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 065° 13.2' N

LONGITUDE: -167° 26.5' W

STATION NO.: 5

LINE NO.: 12

DAY/MONTH/YEAR

DATE: 15/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
5A CTDM	18 m			
5B Van Dorn	18 m			
5C Water Bucket	Surface Samp.			
5D Current Meter	18 m			
5E XBT Drop	18 m			
5H Penetrometer	18 m			
Camera Drop	18 m			

REMARKS:

For sampling and observation results see C. Hans Nelson, Dave Cacchione or Dave Drake, USGS, Menlo Park, Calif.

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 065° 12.1' N

LONGITUDE -167° 28.6' W

STATION NO. 6

LINE NO. 13

DAY/MONTH/YEAR

DATE 15/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
6A CTDM	17 m			
6B Current Meter	17 m			
6C Van Dorn	17 m			
6D Water Bucket	Surface Samp.			
6E XBT Drop	17 m			
6F Penetrometer	17 m			
Camera Drop	17 m			

REMARKS:

Sampling and observation data can be obtained by contacting C. Hans Nelson, Dave Cacchione or Dave Drake (USGS).

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 065° 09.0' N

LONGITUDE -167° 29.7' W

STATION NO. 7

LINE NO. 14

DAY/MONTH/YEAR

DATE 15/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
7A CTDM	19 m			
7B Current Meter	19 m			
7C Penetrometer	19 m			
7D XBT Drop	19 m			
7F Van Dorn	19 m			
7G Water Bucket	Surface Samp.			
Camera Drop	19 m			

REMARKS:

For additional data contact C. Hans Nelson, Dave Cacchione or Dave Drake.

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 065° 06.7' N

LONGITUDE -167° 32.7' W

STATION NO. 8

LINE NO. 15

DAY/MONTH/YEAR

DATE 15/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
8A CTDM	30 m			
8C Current Meter	30 m			
8D Van Dorn	30 m			
8E Water Bucket	Surface Samp.			
8F XBT Drop	30 m			
Camera Drop	30 m			

REMARKS:

Van Dorn water samples at 7, 14, 21 and 28 meters.

For additional data contact C. Hans Nelson, Dave Cacchione or Dave Drake.

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 065° 07.4' N

LONGITUDE: -167° 47.5' W

STATION NO.: 9

LINE NO.: 22

DAY/MONTH/YEAR

DATE: 16/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
9A CTDM	30 m			
9B Van Dorn	30 m			
9C Water Bucket	Surface Samp.			
9D Current Meter	30 m			
9E XBT Drop	30 m			
Camera Drop	30 m			

REMARKS:

For additional information see C. Hans Nelson, Dave Drake or Dave Cacchione.

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 065° 10.4' N

LONGITUDE -167° 40.1' W

STATION NO. 10

LINE NO. 23

DAY/MONTH/YEAR

DATE 16/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
10A CTDM	26 m			
10B Van Dorn	26 m			
10C Water Bucket	Surface Samp.			
10D Current Meter	26 m			
Camera Drop	26 m			

REMARKS:

For additional data contact C. Hans Nelson, Dave Drake or Dave Cacchione.

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 065° 10.0-10.1' N

LONGITUDE -167° 40.7-41.0' W

STATION NO. 11

LINE NO.

DAY/MONTH/YEAR

DATE 16/7/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Camera Drop	20 m			

REMARKS:

35 photos taken, see C. Hans Nelson for additional information.

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 065° 10.0' N

LONGITUDE -167° 41.4' W

STATION NO. 12

LINE NO. 24

DAY/MONTH/YEAR

DATE 16/7/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Camera Drop	20 m			

REMARKS:

30 photos taken, see C. Hans Nelson for additional information.

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 065° 03.68' N

LONGITUDE: -167° 32.0' W

STATION NO.: 13

LINE NO.: 24

DAY/MONTH/YEAR

DATE: 16/7/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Camera Drop	?			

REMARKS:

50 photos taken, see C. Hans Nelson for additional information

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 064° 14.8' N

LONGITUDE -165° 25.5' W

STATION NO. 14

LINE NO. 30

DAY/MONTH/YEAR

DATE 17/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
14A Van Dorn	18 m			
14B Water Bucket	Surface Samp.			
Camera Drop	17 m			
14D CTDM	17 m			
14E Vibracore	17 m	90 cm		
14F Current Meter	17 m			

REMARKS:

Van Dorn water samples at 9 and 18 meters.

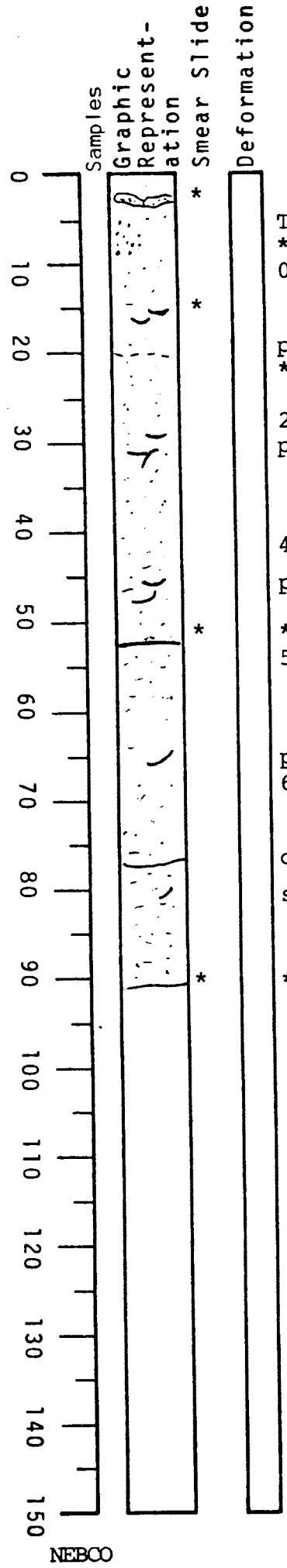
For additional data contact C. Hans Nelson, Dave Cacchione or Dave Drake

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	5	-	7	7	-	B	S			V	1	4	1

STATION#				OBSERVER
	1	4		MCL



Top of core: Olive gray, 5Y 4/1
*2 cm-60% sand, 30% silt, 10% clay?
0-20 cm, very fine sandy silt &
very fine sand with lenses
of higher sand content
pelecypod fragments @ 16 cm
*15 cm-80% sand, 20% silt, 0.5% clay

20-80 cm, silt with clay zones, olive gray, 5Y 3/2
pelecypod fragments @ 30 cm

40-80 cm, lenticular clay masses, evidence of bioturbation
pelecypod fragments @ 46 cm

*50 cm-95% sand, 5% silt, 0.2% clay
52 cm, core truncated, cut

pelecypod fragment @ 65 cm
60-90 cm, grayish olive green, 5GY 3/2

core cracked
shell fragment @ 80 cm

*90cm-85% sand, 15% silt, 0.5% clay

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: 14E Vibracore

STATION NO: 14

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Texture & Mineralogy	7/17/77
"	0-2 cm	"	USGS	Paleontology	7/17/77
"	15 cm	"	USGS	Texture & Mineralogy	7/17/77
"	15 cm	"	USGS	Paleontology	7/17/77
"	50 cm	"	USGS	Texture & Mineralogy	7/17/77
"	50 cm	"	USGS	Paleontology	7/17/77
"	90 cm	"	USGS	Texture & Mineralogy	7/17/77
"	90 cm	"	USGS	Paleontology	7/17/77
"	0-3, 7-12, 40-45 cm	Keith Kvenvolden	USGS	Org. Geochem.	7/17/77
"	80-85 & 95-100 cm	"	USGS	Org. Geochem.	7/17/77
"	20, 30, 70, 80 cm	Ed Clukey	USGS	Engineering	7/17/77
"	2, 40, 50 & 60 cm	"	USGS	Engineering	7/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 10.10' N

LONGITUDE: -165° 27.75' W

STATION NO.: 15

LINE NO.: 31

DAY/MONTH/YEAR

DATE: 17/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Camera Drop	20 m			
15A Box Core	20 m	22 cm		
15B Box Core	20 m	22 cm		
15C Vibracore	20 m	140 cm		
15D Current Meter	20 m			

REMARKS:

Box Core 15A - top 0-7 cm oxidized olive gray silty fine clay, few shell fragments, bottom 7-22 cm slightly darker, dark streak 15-18 cm, few mica flakes, 100% bioturbated

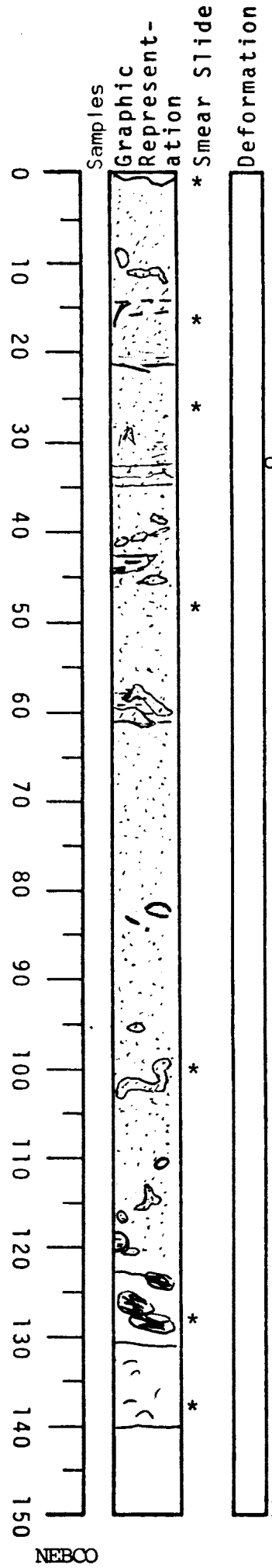
Box Core 15B - upper 2 cm, silty fine sand, bioturbated, lower 20 cm, silty fine sand, bioturbated with local remnant lamination, large poly. burrow present

For more detailed information see C. Hans Nelson, USGS Menlo Park, CA.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	5	-	7	7	-	B	S			V	1	5		1

STATION#				OBSERVER
		1	5	DRT



*0 cm-20% sand, 75% silt, 5% clay
sand is fine-very fine, well sorted
plant fragment @ 9 cm
very fine sand lens at 10 cm
10-15 cm clayey zone, shell @ 15 cm
*16 cm-5% sand, 85% silt, 10% clay (sand=plant debris)
oxidized zone @ 20 cm
very fine to locally fine sandy silt to coarse silt, moderately sorted, individual sparse and rare medium sand grains, rare mica, rare 1-5 mm shell fragments, clay and sand stringers indicate bioturbation has nearly destroyed all original bedding.
*26 cm-5% sand, 85% silt, 10% clay
oxidized zone @ 33 cm
very fine sand blebs @ 40 cm
clay lens @ 43 cm
well sorted, very fine sand lens @ 45 cm
*49 cm - 30% sand, 65% silt, 5% clay

well sorted, very fine sand lenses @ 60 cm with clayey zone between

oxidized zone @ 80 cm
shell @ 82 cm
plant fragment @ 83 cm

lens of medium to very fine sand, graded, fining up @ 100 cm
*98 cm - 40% sand, 60% silt, trace amt. clay

@111 cm black pebble, rounded, 1 x 0.5 cm
@115 cm lens of very fine sand, well sorted
clay bleb @ 119 cm
very fine sand lens @ 120 cm
peaty lenses @123 & 127 cm
*128 cm - 80% sand, 20% silt, trace amt. clay
peat from 130-140 cm

*139 cm - with peat 70% sand, 20% silt, 5% clay
without peat 5% sand, 85% silt, 10% clay
(sand is very fine grained)
silt: dark greenish gray, 5G 4/1, clay: dusky yellowish brown, 10YR 2/2, sand: greenish gray 5GY 6/1

oxidized zones: moderate yellow brown, 10YR 5/4

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Vibracore 15C

STATION NO: 15

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	121-127 cm	C. Hans Nelson	USGS	Radiocarbon Dating	7/17/77
"	134-140 cm	"	"	Carbon	"
"	0, 16, 26, 49 cm	"	"	Texture & Mineralogy	"
"	98 & 128 cm	"	"	Texture & Mineralogy	"
"	0, 16, 26, 49 cm	"	"	Paleontology	"
"	98 & 128 cm	"	"	Paleontology	"
"	10, 30, 40, 48, 50 cm	Ed Clukey	"	Engineering Properties	"
"	65, 75, 90, 97 & 112 cm	"	"	Engineering Properties	"
"	0-4, 70-75, 10-15 cm	Keith Kvenvolden	"	Organic Geochem.	"
"	115-120, 135-139 cm	"	"	Organic Geochem.	"

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 15A & B

STATION NO: 15

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-22 cm	C. Hans Nelson	USGS	Biota	7/17/77
"	0-10 cm	Keith Kvenvolden	USGS	Org. Geochem.	7/17/77
"	0-22 cm	C. Hans Nelson	USGS	Trace Metals	7/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 09.20' N

LONGITUDE: -165° 23.60' W

STATION NO.: 16

LINE NO.: 32

DAY/MONTH/YEAR

DATE: 17/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Camera Drop	20 m			
Box Core 16A	20 m	26 cm		
Box Core 16B	20 m	27 cm		
Vibracore 16	20 m	160 cm		
16D Current Meter	20 m			
16E CTDM	20 m			

REMARKS:

Box Core 16A - 0-4 cm oxidized clayey silt, mica flakes slightly more concentrated in top 8 cm, some slight X-lamin, few shell frags, brittle star, 4-8 cm slightly darker olive gray silty fine sand, black organic blebs from 9 cm down, 8-26 cm olive gray clayey silt, 100% bioturbated with very minor remnant stratification.

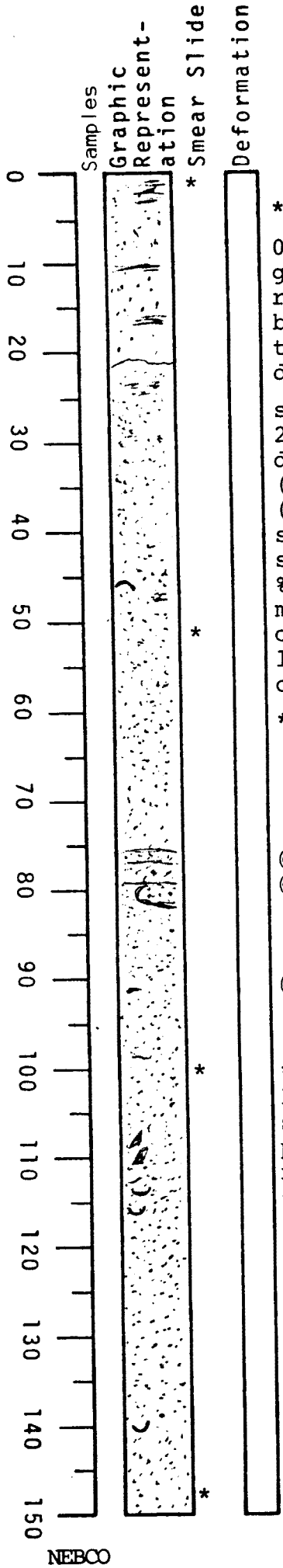
Box Core 16B - upper 4 cm silty fine sand, bioturbated, lower 23 cm silty fine sand, bioturbated with minor remnant stratification, polycheate burrows

For more detailed information see C. Hans Nelson (USGS).

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	5	-	7	7	-	B	S			V	1	6	1

STATION#				OBSERVER
		1	6	ER



*0 cm-60% sand, 40% silt, trace clay

0-25 cm, Micaceous Sand, light olive gray, 5Y 5/2 sand with small organic-rich patch, sand is medium to fine grained, massive bedding, bioturbated, minor discontinuous silty lenses throughout, contact with lower unit is gradational, defined by increase in silt %.

shell fragments @ 25 cm.
25-103 cm, Silty Sand, olive grey, 5Y 3/2, silt with discontinuous patches of med-fine grained micaceous sand (light olive-grey, 5Y 5/2), mottled, highly bioturbated (section 78-83 cm artificial fill to fill separation in slab), bedding vague-semi-parallel beds of massive silty sand separated by beds of silty-sand with greater % sand, entire section highly bioturbated-sandy lenses may be infilled burrows, intact pelecypod shell @ 48 cm, other shell fragments @ 28, 38, 87, 92 cm, contact with lower unit defined by eveness in texture below with lack of sandy pods.

*52 cm - 49% sand, 50% silt, 1% clay

@76 cm, faint flat laminae on X-ray
@80 cm, sandy pod

@92 cm, shell fragments

*100 cm - 50% sand, 49% silt, 1% clay
103-160 cm, Silty Sand, olive black, medium to fine grained silty sand, massively bedded and bioturbated, mottled black patches due to organic debris in reducing environment, no sandy lenses noted as above
@108 cm, two 1 cm long angular pebbles (limestone, siltstone
@115 cm, shell fragments

@140 cm, shell fragment

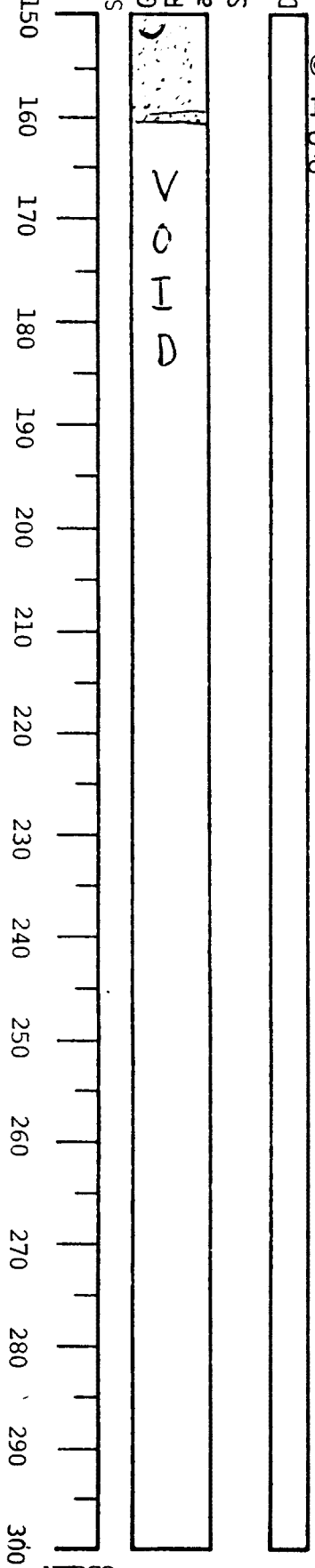
*149 cm - 45% sand, 54% silt, 1% clay

VISUAL CORE DESCRIPTION

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

STATION#				OBSERVER
		1	6	ER

Samples	Graphic Represent-ation	Smear Slide	Deformation



@152 cm, shell fragment

158-160 cm, Silt, truncated bed of olive gray (5Y 3/2) silt, contact well defined but deformed.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Vibracore 16

STATION NO: 16

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0, 46, 52, 98, 100 cm	C. Hans Nelson	USGS	Texture & Mineralogy	7/17/77
"	149 & 152 cm	C. Hans Nelson	USGS	Paleontology	7/17/77
"	149 & 152 cm	C. Hans Nelson	USGS	Texture & Mineralogy	7/17/77
"	0, 46, 52, 98, 100 cm	C. Hans Nelson	USGS	Paleontology	7/17/77
"	0, 34, 45, 60, 70 cm	Ed Clukey	USGS	Engineering Properties	7/17/77
"	80, 102, 115, 125 & 145 cm	Ed Clukey	USGS	Engineering Properties	7/17/77
"	10-15, 0-3, 50-58 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/17/77
"	90-95, 130-140, & 155-160 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/17/77

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 16A & B

STATION NO: 16

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-26 cm	C. Hans Nelson	USGS	Biota	7/17/77
"	0-2 cm	C. Hans Nelson	USGS	Forams	7/17/77
"	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/17/77
"	0-26 cm	C. Hans Nelson	USGS	Trace Metals	7/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 05.10' N

LONGITUDE: -165° 28.62' W

STATION NO.: 17

LINE NO.: 33

DAY/MONTH/YEAR

DATE: 17/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
17A CTDM	17 m			
17B Current Meter	17 m			
17C Van Dorn	17 m			
17D Water Bucket	17 m	Surface Samp.		
17E XBT Drop	17 m			
17F Box Core	17 m	No Recovery		
17G Vibracore	17 m	160 cm		
17H Soutar Grab	17 m	10 cm		
17I Penetrometer	17 m			

REMARKS:

Van Dorn water samples at 9 and 18 meters.

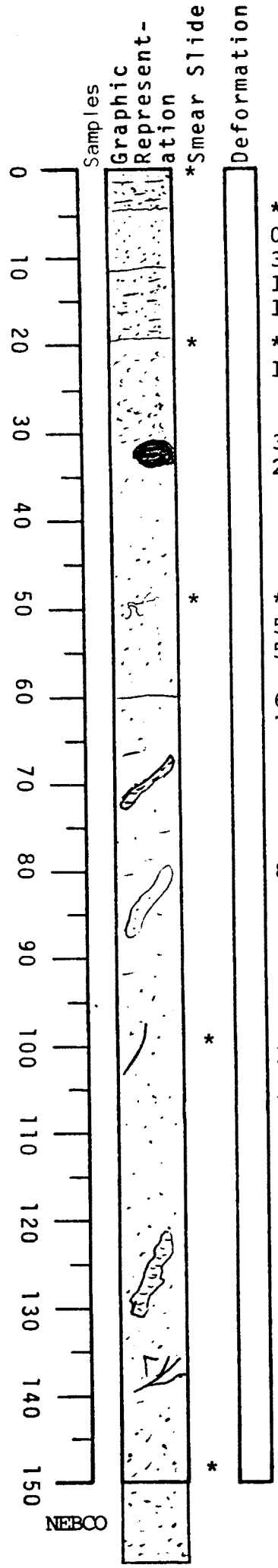
17H Soutar Van Veen grab - no samples description found.

For additional data see C. Hans Nelson, Dave Cacchione or Dave Drake, USGS Menlo Park, CA.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	5	-	7	7	-	B	S			V	1	7	1

STATION#				OBSERVER
		1	7	CHN/MCL



*0 cm - 84% sand, 15% silt, 1% clay
0-3 cm, clayey silt
3-11 cm, silty very fine sand
11-19 cm, clayey fine sand
19 cm, end of clay

*20 cm - 15% sand, 40% silt, 45% clay
19-23 cm, very fine sandy silt, end of high clay content

32 cm, black organic debris
23-60 cm, gradational change from clayey silt above down to slightly siltier sediments, medium gray

*50 cm, 45% sand, 50% silt, 5% clay
50 cm, root like bio. material
56-60 cm, transition from clayey silts to sandy silts for remainder of core
60-100 cm, sandy silt
70 cm, twigs and rootlets present, clayey bleb, possible knife disturbance

80-90 cm, disturbed zone, possibly bioturbation or core disturbance

100-105 cm, sandy silt, grey brown color
*98 cm - 40% sand, 57% silt, 3% clay
100 cm, knife disturbance

105-159 cm, grey-grey brown sandy silt

120-132 cm, clay lense, possible bioturbation

138 cm, fibrous bio-material
becomes silty sand at base, very fine mica flakes throughout, no strikingly visible bedding structures except for clay-silt contact at 23 cm

*150 cm - 60% sand, 39% silt, 1% clay
similar orientation of disturbances indicates core slumping

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Vibracore 17

STATION NO: 17

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0, 20, 50, 98 and 150 cm	C. Hans Nelson	USGS	Smear Slides	7/17/77
"	0, 50, 95 and 130 cm	C. Hans Nelson	USGS	Texture & Mineralogy	7/17/77
"	0, 50, 95 and 130 cm	C. Hans Nelson	USGS	Paleontology	7/17/77
"	unknown	Ed Clukey	USGS	Engineering Properties	7/17/77
"	75 cm	C. Hans Nelson	USGS	Radiocarbon Dating	7/17/77
"	0-3, 10-18, 60-70 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/17/77
"	100-110, 140-150, & 160-164 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/17/77

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Soutar Grab 17

STATION NO: 17

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Trace Metals	7/17/77
"	0-2 cm	C. Hans Nelson	USGS	Forams	7/17/77
"	0-10 cm	C. Hans Nelson	USGS	Biota	7/17/77
"	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 11.07' N

LONGITUDE: -165° 32.05' W

STATION NO.: 18

LINE NO.: 34

DAY/MONTH/YEAR

DATE: 18/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
18A Current Meter	17 m			
18B Van Dorn	18 m			
18C Water Bucket	Surface Samp.			
18D XBT Drop	17 m			
18E Vibracore	17 m	No Recovery		
18F Soutar Grab	17 m	10 cm		
18G Penetrometer	17 m			
Camera Drop	17 m			

REMARKS:

Van Dorn water samples at 9 and 18 meters

18F Soutar Van Veen grab - 10 cm recovered but no sample description found.

Camera Drop - 19 photos taken.

For more information contact C. Hans Nelson, Dave Cacchione or Dave Drake.

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Soutar Grab 18

STATION NO: 18

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Forams	7/18/77
"	0-2 cm	C. Hans Nelson	USGS	Trace Metals	7/18/77
"	0-10 cm	C. Hans Nelson	USGS	Biota	7/18/77
"	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 05.25' N

LONGITUDE: -165° 28.30' W

STATION NO.: 19

LINE NO.: 37

DAY/MONTH/YEAR

DATE: 18/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Camera Drop	18 m			
19A Box Core	18 m	19 cm		
19B Box Core	18 m	19 cm		

REMARKS:

Box Core 19A - upper 5 cm, silty fine sand, olive gray 5Y 3/2, parallel laminated, also hint of X-laminations, below is also olive gray 5Y 3/2, silty fine sand with few mica flakes in sandy layers, bioturbated.

Box Core 19B - upper 5 cm, silty fine sand, laminated, lower 14 cm silty fine sand, bioturbated.

For more detailed sample information see C. Hans Nelson, USGS.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 19A &B

STATION NO: 19

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-19 cm	C. Hans Nelson	USGS	Biota	7/18/77
"	0-19 cm	C. Hans Nelson	USGS	Trace Metals	7/18/77
"	0-19 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 063° 58.72' N

LONGITUDE: -164° 29.22' W

STATION NO.: 20

LINE NO.: 39

DAY/MONTH/YEAR

DATE: 19/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
20A Current Meter	19 m			
20B Van Dorn	19 m			
20C Water Bucket	19 m	Surface Samp.		
20D XBT Drop	19 m			
20A Box Core	19 m	30 cm		
20B Box Core	19 m	30 cm		
20F Penetrometer	19 m			
Camera Drop	19 m			

REMARKS:

Box Core 20A - top oxidized sandy silt, below muddy clayey blebs in sandy silt, 100% bioturbated

Box Core 20B - upper 1 cm silty fine sand, bioturbated, middle 12 cm silty fine sand, bioturbated with shell fragments, lower 17 cm silty fine sand with "spreite-type" bioturbation

For additional data contact C. Hans Nelson, Dave Cacchione or Dave Drake

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 20A-B

STATION NO: 20

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Forams	7/19/77
"	0-30 cm	C. Hans Nelson	USGS	Biota	7/19/77
"	0-30 cm	C. Hans Nelson	USGS	Trace Metals	7/19/77
"	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/19/77

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 064° 05.27' N

LONGITUDE -164° 24.30' W

STATION NO. 21

LINE NO. 40

DAY/MONTH/YEAR

DATE 19/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
21A Water Bucket	Surface Samp.			
21B Van Dorn	20 m			
21C CTDM	20 m			
21D Current Meter	20 m			
21A Box Core	20 m	19 cm		
21B Box Core	20 m	27 cm		
Camera Drop	20 m			

REMARKS:

Van Dorn water samples from 6.5, 13.5 and 20.5 meters.
Current Meter measurements from 1, 2, 6, 10, 14, 18, and 20 meters.

Box Core 21A - top 10 cm 5Y 3/2 silty fine sand with scattered mica flakes, highly bioturbated, large shell fragments, pebble size rock fragments, lower 10 cm olive gray silty fine sand, some laminae and cut & fill struture, burrows, interbedded silt, clay and sand

Box Core 21B - upper 2 cm bioturbated, polychaete burrows, middle 13 cm silty fine sand and pebbles, bioturbated, lower 12 cm, fine sand, ripple laminations

For additional information see C. Hans Nelson, Dave Cacchione or Dave Drake

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 21A-B

STATION NO: 21

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/19/77
"	Entire Sample	C. Hans Nelson	USGS	Biota	7/19/77
"	Entire Sample	C. Hans Nelson	USGS	Trace Metals	7/19/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 63° 48.10' N

LONGITUDE: -163° 42.38' W

STATION NO.: 22

LINE NO.: 43

DAY/MONTH/YEAR

DATE: 19/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
22A CTDM Drop	18 m			
22B Current Meter	18 m			
22C Van Dorn	18 m			
22D Water Bucket	Surface Samp.			
22A Box Core	18 m	28 cm		
22B Box Core	18 m	18 cm		
22F Penetrometer	18 m			
Camera Drop #4	18 m	26 Photos		

REMARKS:

Van Dorn water samples at 8 and 16 meters.

Box Core 22A - Top is silty fine sand, oxidized, bioturbated throughout, sand blebs in burrows, shells, below is laminated silty fine sand, 4 cm rounded pebble at base.

Box Core 22B - entire core is bioturbated silty fine sand, poly. burrows at surface.

For additional information contact C. Hans Nelson, Dave Cacchione or Dave Drake (USGS- Menlo Park).

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 22A-B

STATION NO: 22

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/19/77
"	Entire Sample	C. Hans Nelson	USGS	Biota	7/19/77
"	Entire Sample	C. Hans Nelson	USGS	Trace Metals	7/19/77

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 64° 03.0' N

LONGITUDE -163° 35.8' W

STATION NO. 23

LINE NO. 46

DAY/MONTH/YEAR

DATE 20/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
23A Water Bucket	Surface Samp.			
Camera Drop #4	20 m	65 Frames		
23C Van Dorn	20 m			
23D Current Meter	20 m			
23E CTDM	20 m			
23 Soutar Grab	20 m	15 cm		

REMARKS:

Van Dorn 23C - water samples from 5, 13 and 21 meters.

Current Meter 23D readings at 1, 2, 6, 10, 14, 18, and 19 meters.

Soutar Grab sample 23 - no sample description found, entire sample went to Keith Kvenvolden (USGS) for Organic geochemistry.

For additional information see C. Hans Nelson, Dave Cacchione or Dave Drake.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Soutar Grab 23

STATION NO: 23

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Forams	7/20/77
"	0-13 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/20/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 22.5' N

LONGITUDE: -163° 42.3' W

STATION NO.: 24

LINE NO.: 49

DAY/MONTH/YEAR

DATE: 20/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
24A Van Dorn	16 m			
24B Water Bucket	Surface Sample			
24C Penetrometer	16 m			
24D Current Meter	16 m			
24E CTDM	16 m			
24A Box Core	16 m	18 cm		
24B Box Core	16 m	18 cm		
Camera Drop #5	16 m	25 Frames		

REMARKS:

Van Dorn 24A water samples taken at 5, 11 and 17 meters.

Current meter 24D readings at 1, 2, 6, 10, 14 and 17 meters.

Box Core 24A - 18 cm of bioturbated silty fine sand, no distinct burrows, homogeneous, small pebbles and shells on surface, black organics from 3-8 cm.

Box Core 24B - Top 3 cm, silty fine sand, bioturbated, lower 15 cm is also bioturbated silty fine sand but with trucated burrows 3 cm from surface.

For additional data see C. Hans Nelson, Dave Drake or Dave Cacchione.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 24A-B

STATION NO: 24

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-18 cm	C. Hans Nelson	USGS	Biota	7/20/77
"	0-18 cm	C. Hans Nelson	USGS	Trace Metals	7/20/77
"	0-4 cm	Ed Clukey	USGS	Engineering Properties	7/20/77
"	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/20/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 13.50' N

LONGITUDE: -164° 40.95' W

STATION NO.: 25

LINE NO.: 50

DAY/MONTH/YEAR

DATE: 21/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
25A Van Dorn	16 m			
25B Water Bucket	Surface Sample			
25C Current Meter	16 m			
25D XBTG Drop	16 m			
25A Box Core	16 m	14 cm		
25B Box Core	16 m	15 cm		
Camera Drop #5	16 m	33 Frames		
25G Penetrometer	16 m			

REMARKS:

Van Dorn 25A water samples from 7 and 15 meters.

Current meter 25C readings at 1, 2, 4, 8, and 12 meters.

Box Core 25A - oxidized top, well sorted, clean fine sand, bioturbated, homogeneous, some shells present.

Box Core 25B - 15 cm of bioturbated silty fine sand, poly burrows and shell fragments present.

For more detailed information see C. Hans Nelson, Dave Cacchione or Dave Drake (USGS).

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 25A & B

STATION NO: 25

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	entire core	C. Hans Nelson	USGS	Biota	7/21/77
1	entire core	C. Hans Nelson	USGS	Trace Metals	7/21/77
1	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/21/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 26.80' N

LONGITUDE: -165° 17.50' W

STATION NO.: 26

LINE NO.: 53

DAY/MONTH/YEAR

DATE: 22/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
26A Van Dorn	16 m			
26B Water Bucket	Surface Samp.			
26C Current Meter	16 m			
26D Soutar Grab	16 m	Recovery		
Camera Drop #5	16 m	33 Frames		

REMARKS:

Van Dorn 26A water samples taken from 8 and 15 meters.

Current meter 26C readings taken at 1, 2, 6, 10 and 14 meters.

Soutar Grab 26D - no sample dimensions or description found.

For additional information contact C. Hans Nelson, Dave Drake or Dave Cacchione (USGS-Menlo Park).

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Soutar Grab 26

STATION NO: 26

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Forams	7/22/77
1	0-2 cm	C. Hans Nelson	USGS	Trace Metals	7/22/77
1	Entire Core	C. Hans Nelson	USGS	Biota	7/22/77
1	Entire Core	C. Hans Nelson	USGS	Rare Minerals	7/22/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 13.05' N

LONGITUDE: -164° 20.60' W

STATION NO.: 27

LINE NO.: 55

DAY/MONTH/YEAR

DATE: 22/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
27A Current Meter	16 m			
27B Water Bucket	16 m	Surface Samp.		
27C Van Dorn	16 m			
27D XBTG Drop	16 m			
Box Core 27A	16 m	17 cm		
Box Core 27B	16 m	17 cm		
Camera Drop #5	16 m	45 Frames		

REMARKS:

Current Meter 27A readings taken at 1, 2, 6, 10, 14 and 16 meters.

Van Dorn 27C water samples taken at 6, 11 and 16 meters.

Box Core 27A - thin mud coating on surface, 0-6 cm is silty sand with sand interbeds, 6-11 cm is clean fine sand, 11-17 cm is fine sand with mud blebs.

Box Core 27B - 17 cm of silty fine sand, bioturbated, one shell fragment.

For more information see C. Hans Nelson, Dave Cacchione or Dave Drake.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 27A & B

STATION NO: 27

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Forams	7/22/77
1	Entire Core	C. Hans Nelson	USGS	Biota	7/22/77
1	" "	C. Hans Nelson	USGS	Rare Minerals	7/22/77
1	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/22/77
1	0-9 cm	Mark Sandstrom	UCLA	Hydrocarbons	7/22/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 063° 28.50' N

LONGITUDE: -165° 18.10' W

STATION NO.: 28

LINE NO.: 68

DAY/MONTH/YEAR

DATE: 24/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
28A CTDM Drop	17 m			
28B Current Meter	17 m			
Box Core 28A	17 m	23 cm		
Box Core 28B	17 m	23 cm		
28D Penetrometer	17 m			
28E Gravity Core	17 m	No Recovery		
Camera Drop #5	17 m	11 Frames		
28F T.V. Drop	17 m			

REMARKS:

Current Meter 28B - readings at 1, 2, 6, 10 and 14 meters.

Box Core 28A&B - upper 7 cm is silty fine sand with ripple laminations somewhat disturbed, middle 3 cm is clay, slightly bioturbated, lower 13 cm is clean fine sand with planar X-bedding.

28F T.V. Drop is on tape 12, 000-329.

For more detailed information see C. Hans Nelson, Dave Cacchione or Dave Drake.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 28A & B

STATION NO: 28

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-16 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/24/77
1	0-10 cm	Mark Sandstrom	UCLA	Hydrocarbons	7/24/77
1	0-23 cm	Hans Nelson	USGS	Biota	7/24/77
1	0-23 cm	Hans Nelson	USGS	Rare Minerals	7/24/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 063° 31.50' N

LONGITUDE: -165° 43.62' W

STATION NO.: 29

LINE NO.: 70

DAY/MONTH/YEAR

DATE: 25/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
29A CTDM Drop	10 m			
29B Current Meter	10 m			
29C Water Bucket	Surface Samp.			
Box Core 29A	10 m	16 cm		
Box Core 29B	10 m	17 cm		
29E Penetrometer	10 m			
Camera Drop #5	10 m	10 Frames		
29G Van Dorn	10 m			

REMARKS:

Van Dorn 29G water sample from 8 meters.

Box Core 29A - 0-4 cm is silty sand with sandy silt interbeds, laminated, few shell fragments throughout, 4-13 cm is very fine sand with clay and silt interbeds, finely laminated, sparse shell fragments, 13-16 cm is finely laminated peat and clayey silt, no shell fragments.

Box Core 29B - top 3 cm is ripple laminated fine sand, middle 10 cm is planar X-bedded fine sand and lower 4 cm is laminated peat.

For more information see C. Hans Nelson, Dave Drake or Dave Cacchione.

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 29A & B

STATION NO: 29

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-3 cm	Ed Clukey	USGS	Engineering	7/25/77
1	0-2 cm	C. Hans Nelson	USGS	Forams	7/25/77
1	0-16 cm	C. Hans Nelson	USGS	Biota	7/25/77
1	0-16 cm	C. Hans Nelson	USGS	Rare Minerals	7/25/77
1	13-17 cm	C. Hans Nelson	USGS	Carbon	7/25/77
1	13-17 cm	C. Hans Nelson	USGS	Radiocarbon Dating	7/25/77
1	2-14 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/25/77
1	Surface	Keith Kvenvolden	USGS	Organic Geochem.	7/25/77
1	2-12 cm	Mark Sandstrom	UCLA	Hydrocarbons	7/25/77

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 063° 42.60' N

LONGITUDE -165° 26.05' W

STATION NO. 30

LINE NO. 71

DAY/MONTH/YEAR

DATE 25/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
30A Van Dorn	20 m			
30B Water Bucket	Surface Samp.			
30C XBTG Drop	20 m			
30D Box Core	20 m	approx. 10 cm		
30E TV Drop	20 m			

REMARKS:

30A Van Dorn - water samples from 7 and 14 meters.

30D Box Core - sample disturbed, no description found.

30E TV Drop - no video, no photos.....too rough.

For more detailed station information see C. Hans Nelson, Dave Cacchione or Dave Drake, USGS- Menlo Park, CA.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 30

STATION NO: 30

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/25/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 063° 53.75' N

LONGITUDE: -165° 59.10' W

STATION NO.: 31

LINE NO.: 71

DAY/MONTH/YEAR

DATE: 25/7/77

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
31A Van Dorn	22 m			
31B Water Bucket	Surface Samp			
Box Core 31A	22 m	22 cm		
Box Core 31B	22 m	22 cm		
Camera Drop #5	22 m	6 Frames		

REMARKS:

Van Dorn 31A water samples taken at 7.5, 15.5 and 22.5 meters.

Box Core 31A - top 3 cm is olive gray silty sand, highly bioturbated, clay layer at surface, sand filling in burrows, bottom 19 cm is brownish grey silty sand, lots of burrows, large live clam at about 6 cm.

Box Core 31B - 22 cm of bioturbated silty fine sand, pebble near base.

For more detailed information (i.e. sample photos or X-rays) see C. Hans Nelson, Dave Drake or Dave Cacchione.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 31A & B

STATION NO: 31

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-22 cm	C. Hans Nelson	USGS	Biota	7/25/77
	0-22 cm	C. Hans Nelson	USGS	Rare Minerals	7/25/77
	5-22 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/25/77
	5-14 cm	Mark Sandstrom	UCLA	Hydrocarbons	7/25/77

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 064° 06.20' N

LONGITUDE -166° 26.60' W

STATION NO. 32

LINE NO. 71

DAY/MONTH/YEAR

DATE 25/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
32A CTDM Drop	28 m			
32B Current Meter	28 m			
32C Water Bucket	Surface Samp.			
Box Core 32	28 m	17 cm		
Camera Drop #5	28 m	29 Frames		
32F Van Dorn	28 m			

REMARKS:

32B Current Meter drop - readings at 1, 2, 6, 10, 14, 18, 22 and 25 meters.

32F Van Dorn water samples taken at 10, 18 and 26 meters.

Box Core 32 - 0-8 cm is highly bioturbated very fine silty sand, oxidized brown-olive gray, sand dollars and brittle stars present, 8-17 cm is Dark grey (reduced) very fine sandy silt, highly bioturbated, worms and shell fragments present.

For more detailed information see C. Hans Nelson, Dave Cacchione or Dave Drake.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 32

STATION NO: 32

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-17 cm	C. Hans Nelson	USGS	Biota	7/25/77
1	0-17 cm	C. Hans Nelson	USGS	Rare Minerals	7/25/77
1	9-19 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/25/77
1	10-19 cm	Mark Sandstrom	UCLA	Hydrocarbons	7/25/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 26.71' N

LONGITUDE: -167° 05.84' W

STATION NO.: 33

LINE NO.: 71

DAY/MONTH/YEAR

DATE: 26/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
33A CTDM Drop	27 m			
33B Current Meter	27 m			
33C Van Dorn	27 m			
33D Water Bucket	Surface Samp.			
Camera Drop #5	27 m	26 Frames		
33F Vibracore	27 m	77 cm		

REMARKS:

33B Current Meter readings taken at 1, 2, 6, 10, 14, 18, 22 and 26 meters.

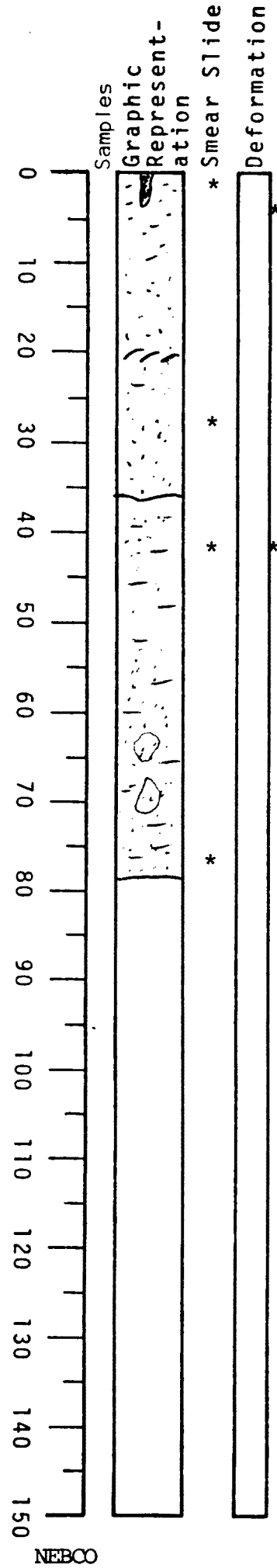
33C Van Dorn water samples taken at 14 and 27 meters.

For more information contact C. Hans Nelson, Dave Cacchione or Dave Drake.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	5	-	7	7	-	B	S			V	3	3	1

STATION#				OBSERVER
		3	3	MCL



*0 cm - 65% sand, 33% silt, 2% clay
large worm tube at surface

0-35 cm, slightly muddy matrix,
medium to coarse sand with
shell fragments

20 cm, shell fragment rich layer

*28 cm - 70% sand, 28% silt, 2% clay

*42 cm - 40% sand, 40% silt, 20% clay

36-78 cm, clayey silt, few shell layers with silt-rich
burrow mottling

*79 cm - 30% sand, 65% silt, 5% clay

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SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Vibracore 33

STATION NO: 33

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0, 28, 42 & 79 cm	C. Hans Nelson	USGS	Smear Slides & Paleontology	7/26/77
1	0, 28, 42 & 79 cm	C. Hans Nelson	USGS	Texture & Mineralogy	7/26/77
1	18 & 55 cm	C. Hans Nelson	USGS	Carbon	7/26/77
1	0-2 cm	C. Hans Nelson	USGS	Forams	7/26/77
1	10, 25, 45, & 65 cm	Ed Clukey	USGS	Engineering Properties	7/26/77
1	30-40 & 65-75 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/26/77

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 52.30' N

LONGITUDE: -167° 39.65' W

STATION NO.: 34

LINE NO.: 71

DAY/MONTH/YEAR

DATE: 26/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
34A Current Meter	36 m			
34B Van Dorn	36 m			
34C Water Bucket	Surface Samp.			
34D Vibracore	36 m	No Recovery		
34E Soutar Grab	36 m	6 cm		
34F CTDM Drop	36 m			
Camera Drop #5	36 m	15 Frames		

REMARKS:

Current Meter 34A readings taken at 1, 2, 4, 10, 14, 18, 22, 28, 32, 38(?), 43(?), and 45(?) meters -- water depth above could be wrong.

Van Dorn 34B water samples at 14, 28 and 44 meters.

Soutar Grab 34E - 6 cm recovered, no sample description found.

For more information see C. Hans Nelson, Dave Cacchione or Dave Drake.

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Soutar Grab 34

STATION NO: 34

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Forams	7/26/77
1	0-2 cm	C. Hans Nelson	USGS	Trace Metals	7/26/77
1	0-6 cm	C. Hans Nelson	USGS	Biota	7/26/77
1	0-6 cm	C. Hans Nelson	USGS	Rare Minerals	7/26/77
1	0-6 cm	Mark Sandstrom	UCLA	Hydrocarbons	7/26/77

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 065° 14.90' N

LONGITUDE -167° 45.70' W

STATION NO. 35

LINE NO. 71

DAY/MONTH/YEAR

DATE 26/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
35A CTDM Drop	52 m			
35B Current Meter	52 m			
35C Soutar Grab	52 m	10 cm		
Camera Drop #5	52 m	37 Frames		

REMARKS:

35B Current Meter readings at 1, 2, 6, 10, 15, 20, 25, 30, 35, 40, 45, 50 and 52 meters.

35C Soutar Grab - 10 cm recovered, olive green silty sand, many amphipods.

For more information see C. Hans Nelson, Dave Cacchione or Dave Drake.

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SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Soutar Grab 35

STATION NO: 35

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Trace Metals & Forams	7/26/77
1	0-10 cm	C. Hans Nelson	USGS	Biota & Rare Minerals	7/26/77
1	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/26/77
1	0-10 cm	Mark Sandstrom	UCLA	Hydrocarbons	7/26/77

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 064° 50.00' N

LONGITUDE -168° 45.50' W

STATION NO. 36

LINE NO. 72

DAY/MONTH/YEAR

DATE 27/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
36A CTDM Drop	44 m			
36B Current Meter	44 m			
36C Van Dorn	44 m			
36D Water Bucket	Surface Sample			
Vibracore 36A	44 m	110 cm		
Vibracore 36B	44 m	53 cm		
36F Penetrometer	44 m	No Recovery		
Camera Drop #5	44 m	31 Frames		

REMARKS:

36B Current meter readings taken at 1, 2, 4, 10, 14, 18, 22, 28, 32, 38, 43 and 45.5 meters.

36C Van Dorn water samples taken at 14, 28 and 44 meters.

For more detailed information see C. Hans Nelson, Dave Cacchione or Dave Drake.

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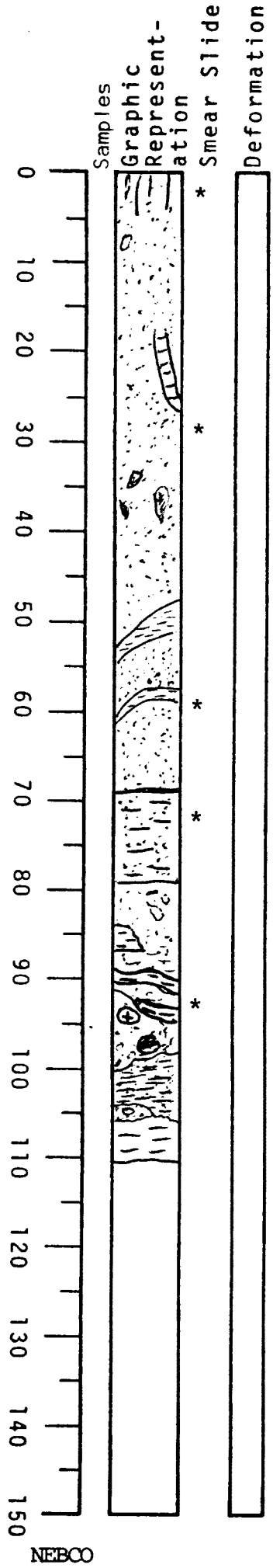
VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	5	-	7	7	-	B	S			V	3	6	1	A

STATION#				OBSERVER
		3	6	CHN, JP



Top 1 cm, muddy sand
Mass of Amphipod burrows @ surface
0-70 cm, well sorted fine to medium silty sand
clam shell @ 8 cm
18-25 cm, large Neries worm in burrow

Clean medium sand

37 cm, black shale chip, 2.0 X 1.3 cm

disarticulated clam shells @ 37 & 48 cm

black (dark grey) silty clay beds @ 50 cm & 58 cm
distinct contacts with sands

graded bed from 53 cm to 57 cm, medium to medium-fine sand

68-78 cm, tight clayey silt (black-grey)

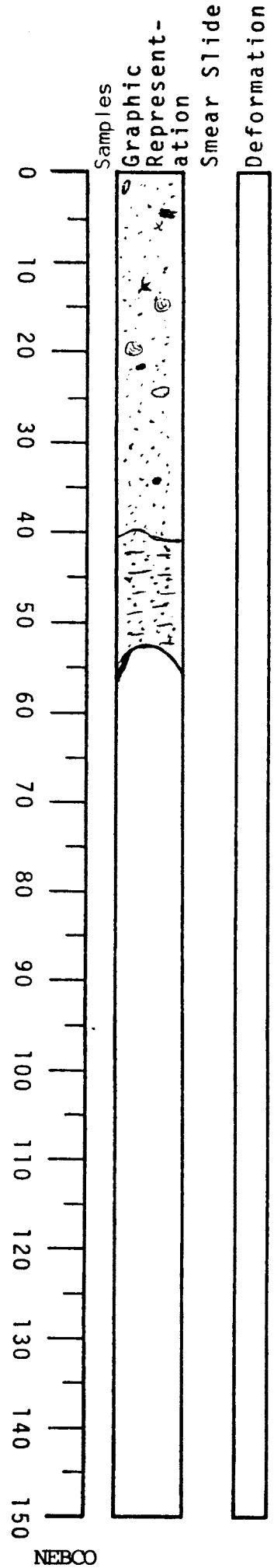
82 cm, shell fragments
78-81 cm, medium gravelly sand, contains large subangular pebbles that are covered with black clay
(1) metamorphic cobble, 45 X 21 mm
80-90 cm, medium sand with clayey silt blebs and layers
90-95 cm, medium to coarse grained sand with pebble clasts (shale, chards, granitic pebbles)
100 cm, dark gray silty clay
105 cm, dark gray silty organic sand containing a single shale pebble
bottom of core in dark grey clayey silt

Note: fine clays and coarse gravelly sand sequences of last 1/2 meter a possible transitional lag sequence

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	5	-	7	7	-	B	S		V	3	6	B	1	B

STATION#				OBSERVER
		3	6	CH



¼ cm diam. worm tube at surface
1 cm, amphipod in burrow
4 cm, black organics
Bioturbated down to 40 cm
Poorly sorted subrounded
Fine and very fine sand with scattered very coarse grains
10 mm pebbles
15 & 20 cm, disarticulated clam shells
22 cm, pebble
Color: between olive gray and grayish olive (5Y 3/2-10Y 4/2)
25 cm, wood fragment
35 cm, pebble

40 cm, sharp contact
Black micaceous clayey silt, no shell fragments
Color: olive black 5Y 2/1
½ cm long small worm tube with agglutinated sand particles near core catcher, may have been hung up in catcher, no others visible

Subsamples taken from Vibracore 36A

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Vibracore 36A & B

STATION NO: 36

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	3, 46, 105 cm	C. Hans Nelson	USGS	Carbon	7/27/77
1	2, 30, 60, 72, 93, 100 cm	C. Hans Nelson	USGS	Smear Slides Paleontology	7/27/77
1	2, 30, 60, 72, 93, 100 cm	C. Hans Nelson	USGS	Texture & Mineralogy	7/27/77
1	2, 30, 60, 72, 93, 100 cm	Ed Clukey	USGS	Engineering Properties	7/27/77
1	110 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/27/77

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USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 34.4' N

LONGITUDE: -169° 23.15' W

STATION NO.: 37

LINE NO.: 73

DAY/MONTH/YEAR

DATE: 27/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
37A CTDM Drop	40 m			
37B Current Meter	40 m			
Vibracore 37C	40 m	177 cm		
Camera Drop #5	40 m	25 Frames		

REMARKS:

For more information see C. Hans Nelson, Dave Cacchione or Dave Drake

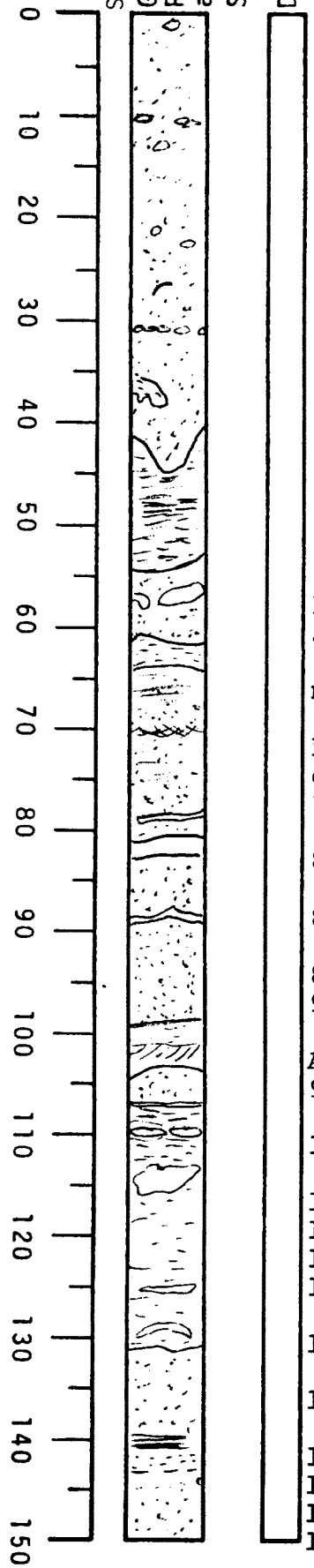
NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	5	-	7	7	-	B	S			V	3	7		1

STATION#				OBSERVER
		3	7	ROW

Samples | Graphic Represent-ation | Smear Slide | Deformation



Amphipods burrowing to 5 cm
possible remains of polycheate
5 cm, grayish olive 10Y 4/2 clean sand, very fine-medium grained
10 cm, disarticulated bivalve (clam?) shells
12 cm, black organic rich bleb (decomposing worm tube)
17 cm, olive gray 5Y 4/1 silty sand, very fine grained
21 cm, black subrounded (metamorphic) pebble
26 cm, shell fragment
30 cm, horizon of black decomposing worm tubes

36 cm, medium gray (N5) silty mud bleb

N5 silty sand
43 cm, load structure (sharp contact) highly bioturbated to contact
45 cm, N5 (medium gray) cohesive mud with black organic mottling following depression & overlying load struc.
40-55 cm, completely disrupted structure, ice gouging at lower sea level?, wilty sand with mud
black organic rich mottling in firm silty mud
all massive sand to this point, approx 65 cm well laminated sand with clay stringers, except oxidized sand which is massive
70 cm, low angle X- laminations
black organic rich striations within surrounding dark green grey (5GY 4/1) silty very fine sand
79 cm, thin 1.5 mm discontinuous medium gray (N5) firm mud layer
81-83 cm, oxidized well sorted fine sand bounded by Mn stained sand
89 cm, thin (2 mm) continuous medium gray (N5) mud defined in possible ripple stratification
80-90 cm, high angle X-laminations
96 cm, dark yellowish brown (10YR 4/2) silty sand, very fine to medium grained
All ripple laminated sand in X-ray
99 cm, 1 cm continuous layer of heavy minerals at bottom contact of sand
102 cm, medium gray (N5) silty mud with laminae of olive gray 5Y 4/1 silty sand, well laminated
105 cm, organic rich silty sand, very fine-fine grained
107 cm, 1 cm continuous layer of heavy minerals
109 cm, firm medium gray (N5) fine mud
110 cm, medium gray (N5) silty mud with lenses surrounded by heavy minerals
115 cm lense of moderate brown (5YR 4/4) well sorted very fine grained sand
120 cm, massive-high angle X-laminated beds, firm medium gray (N5) silty mud
125, 129 cm, lens of medium gray (N5) silty mud
135 cm, light olive gray (5Y 5/2) well sorted fine sand
140 cm, plant fragments laminated in silty very fine sand
142 cm, dark gray silty mud, gradation contact with overlyin units

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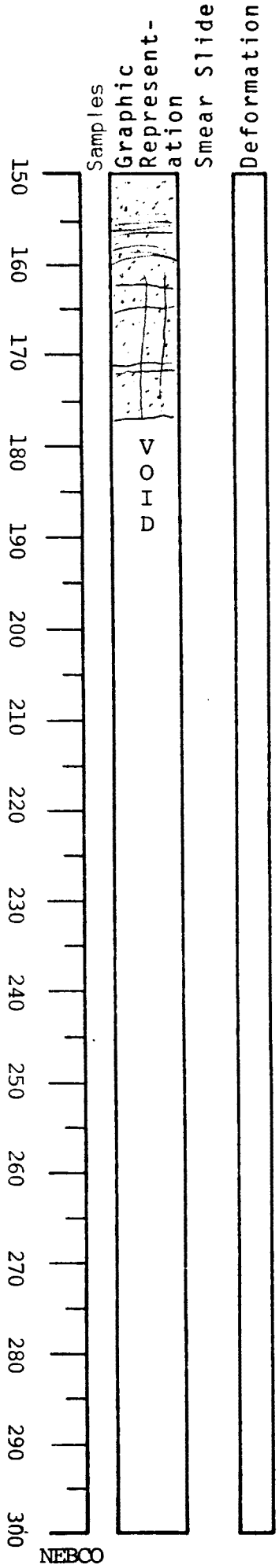
VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	5	-	7	7	-	B	S			V	3	7		2

STATION#				OBSERVER
		3	7	ROW



142-145 cm, 1 cm thick layers
150 cm, medium gray (N5) sandy silt very fine grained
144-160 cm, X-laminated with 1 cm mud laminations @ 161, 165, 171 cm
157 cm, dark gray (N3) firm mud (deformed by coring), flat laminae in X-ray
164 cm, dark gray (N3) firm mud with interfingers of medium gray (N5) silty sand, very fine grained
172 cm dark gray (N3) cohesive mud
175 cm, medium to dark gray silty sand (very fine grained)

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Vibracore 37

STATION NO: 37

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	4, 46, 73, & 118 cm	C. Hans Nelson	USGS	Carbon	7/27/77
1	139 and 165 cm	C. Hans Nelson	USGS	Carbon	7/27/77
1	2, 35, 50, 68 & 80 cm	C. Hans Nelson	USGS	Smear Slides & Paleontology	7/27/77
1	100, 110, 115, 132 & 145 cm	C. Hans Nelson	USGS	Smear Slides & Paleontology	7/27/77
1	2, 35, 50, 68 & 80 cm	C. Hans Nelson	USGS	Texture & Mineralogy	7/27/77
1	110, 100, 115, 132 & 145 cm	C. Hans Nelson	USGS	Texture & Mineralogy	7/27/77
1	0-14 & 161-175 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/27/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 20.75' N

LONGITUDE: -170° 15.10' W

STATION NO.: 38

LINE NO.: 73

DAY/MONTH/YEAR

DATE: 27/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
38A Current Meter	37 m			
38B Water Bucket	Surface Samp.			
38C Van Dorn	37 m			
38D XBTG Drop	37 m			
38E Vibracore	37 m	31 cm		
Camera Drop #6	37 m	19 Frames		

REMARKS:

Contact C. Hans Nelson, Dave Cacchione or Dave Drake for more information.

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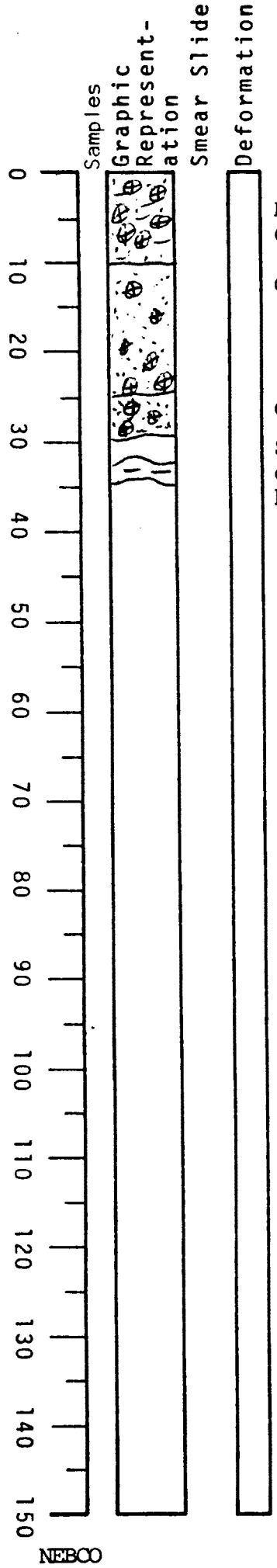
VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	5	-	7	7	-	B	S			V	3	8		1

STATION#				OBSERVER
		3	8	CHN?



Muddy sandy gravel, pebbles 1-3 cm
Color: olive gray

Clean coarse sandy gravel, olive gray

Gray, clean coase sandy gravel

Stiff gray clay from core catcher, could be from any depth, 30-180 cm of total penetration (150 cm lost because catcher failed)

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Vibracore 38

STATION NO: 38

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Forams	7/27/77
1	5 & 20 cm	C. Hans Nelson	USGS	Smear Slides & Paleontology	7/27/77
1	5 & 20 cm	C. Hans Nelson	USGS	Texture & Mineralogy	7/27/77
1	30 cm	C. Hans Nelson	USGS	Paleontology	7/27/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 064° 07.9' N

LONGITUDE: -171° 18.0' W

STATION NO.: 39

LINE NO.: 73

DAY/MONTH/YEAR

DATE: 28/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
39A CTDM Drop	34 m			
39B Current Meter	34 m			
39C Van Dorn	34 m			
39D Water Bucket	Surface Samp.			
39E Vibracore	34 m	42 cm		
39F Soutar Grab	34 m	8 cm		
Camera Drop #6	34 m	14 Frames		

REMARKS:

Soutar Grab 39F - 8 cm recovered, no sample description found.

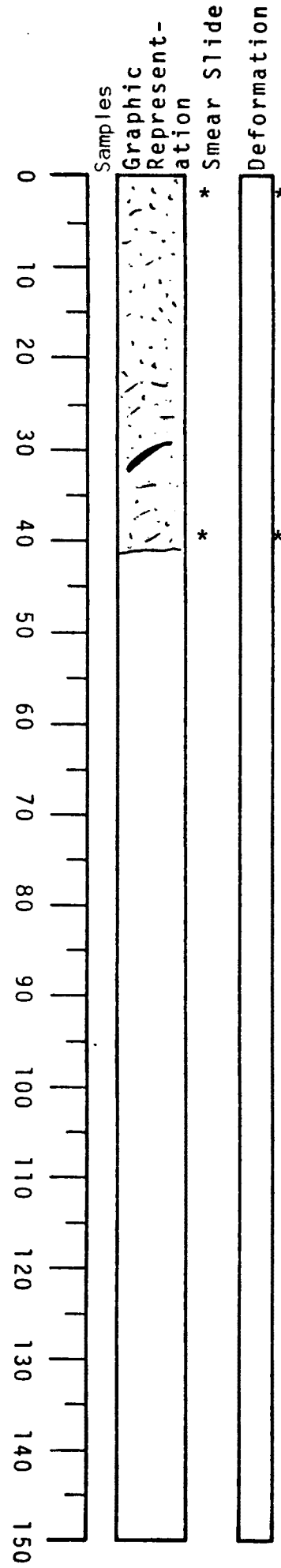
For more information see C. Hans Nelson, Dave Cacchione or Dave Drake

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	5	-	7	7	-	B	S			V	3	9		1

STATION#				OBSERVER
		3	9	CHN



*0 cm - 100% sand
0-10 cm, oxidized olive brown, pebbly shelly clean, coarse to medium sand
10-40 cm, same as 0-10 cm but grading to olive black, pebbles to 5 cm diameter

30 cm, whole Mya shell, 10 cm diameter

*40 cm, 92% sand, 7% silt, 1% clay

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Soutar Grab 39

STATION NO: 39

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-1 cm	C. Hans Nelson	USGS	Forams & Trace Metals	7/28/77
1	0-8 cm	C. Hans Nelson	USGS	Biota & Rare Minerals	7/28/77
1	0-8 cm	Mark Sandstrom	UCLA	Hydrocarbons	7/28/77

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USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 064° 05.10' N

LONGITUDE -171° 10.1' W

STATION NO. 40

LINE NO. 74

DAY/MONTH/YEAR

DATE 28/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
40A CTDM Drop	25 m			
40B Vibracore	25 m	No Recovery		
Camera Drop #6	25 m	23 Frames		

REMARKS:

For more information see C. Hans Nelson, Dave Cacchione or Dave Drake.

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USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 064° 02.75' N

LONGITUDE -171° 36.1' W

STATION NO. 041

LINE NO. 75

DAY/MONTH/YEAR

DATE 28/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
41A CTDM Drop	27 m			
41B Current Meter	27 m			
41C Van Dorn	27 m			
41D Water Bucket	Surface Samp.			
41E Vibracore	27 m	No Recovery		
41F Soutar Grab	27 m	10 cm		
Camera Drop #6	27 m	15 Frames		

REMARKS:

Soutar Grab 41F - 10 cm recovered, no sample description found.

For more information contact C. Hans Nelson, Dave Cacchione or Dave Drake.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Soutar Grab 41

STATION NO: 41

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-1 cm	C. Hans Nelson	USGS	Forams & Trace Metals	7/28/77
1	0-10 cm	C. Hans Nelson	USGS	Biota & Rare Minerals	7/28/77
1	0-10 cm	Mark Sandstrom	USGS	Hydrocarbons	7/28/77

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 063° 58.40' N

LONGITUDE -169° 22.65' W

STATION NO. 42

LINE NO. 75

DAY/MONTH/YEAR

DATE 29/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
42A CTDM Drop	39 m			
42B Current Meter	39 m			
42C Soutar Grab	39 m	10 cm		
Camera Drop #6	39 m	42 Frames		

REMARKS:

42C Soutar Grab - 0-2 cm is olive gray coarse sand and gravel, 2-10 cm is black reduced mud, abundant crabs, worms and clams.

For more information see C. Hans Nelson, Dave Cacchione or Dave Drake.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Soutar Grab 42

STATION NO: 42

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Forams & Trace Metals	7/29/77
1	0-10 cm	C. Hans Nelson	USGS	Biota & Rare Minerals	7/29/77
1	0-10 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/29/77
1	0-2 cm	Mark Sandstrom	UCLA	Hydrocarbons	7/29/77

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 063° 57.85' N

LONGITUDE -167° 48.3' W

STATION NO. 43

LINE NO. 75

DAY/MONTH/YEAR

DATE 29/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
43A CTDM Drop	35 m			
43B Current Meter	35 m			
43C Vibracore	35 m	No Recovery		
43D Soutar Grab	35 m	10 cm		
Camera Drop #6	35 m	21 Frames		

REMARKS:

43D Soutar Grab - 10 cm recovered, no sample description found.

For more information see C. Hans Nelson, Dave Cacchione or Dave Drake.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Soutar Grab 43

STATION NO: 43

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Forams & Trace Metals	7/29/77
1	0-10 cm	C. Hans Nelson	USGS	Biota & Rare Minerals	7/29/77
1	0-10 cm	Mark Sandstrom	UCLA	Hydrocarbons	7/29/77

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 063° 45.4' N

LONGITUDE -167° 00.50' W

STATION NO. 44

LINE NO. 76

DAY/MONTH/YEAR

DATE 29/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
44A Current Meter	31 m			
44B Soutar Grab	31 m	22 cm		
Camera Drop #6	31 m	79 Frames		

REMARKS:

Soutar Grab 44B - 0-22 cm of fine sandy silt, bioturbated, black organic patches throughout, worm and clam burrows, top is oxidized olive gray to light olive gray, worms, amphipods and shell fragments present.

For more information contact C. Hans Nelson, Dave Cacchione or Dave Drake.

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Soutar Grab 44

STATION NO: 44

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	C. Hans Nelson	USGS	Forams & Trace Metals	7/29/77
1	0-22 cm	C. Hans Nelson	USGS	Biota & Rare Minerals	7/29/77
1	0-22 cm	C. Hans Nelson	USGS	Archive Slab	7/29/77
1	0-10 cm	Mark Sandstrom	UCLA	Hydrocarbons	7/29/77

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 063° 25.20' N

LONGITUDE -165° 57.95' W

STATION NO. 45

LINE NO. 77

DAY/MONTH/YEAR

DATE 30/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
45A Current Meter	23 m			
45X XBTG Drop	23 m			
45C Box Core	23 m	No Recovery		
Camera Drop #6	23 m	28 Frames		

REMARKS:

For more information contact C. Hans Nelson, Dave Drake, or Dave Cacchione.

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 063° 17.7' N

LONGITUDE: -165° 38.5' W

STATION NO.: 46

LINE NO.: 77

DAY/MONTH/YEAR

DATE: 30/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Box Core 46A	22 m	22 cm		
Camera Drop #6	22 m	16 Frames		

REMARKS:

Box Core 46A - 0-3 cm is fine sandy silt, slightly micaceous, olive gray, disrupted by sampler, amphipod on surface and small shell fragments, 3-6 cm is clayey silt, micaceous, olive gray, very disrupted, 6-22 cm is olive gray sandy silt with worm burrows.

For more information see C. Hans Nelson, Dave Cacchione or Dave Drake.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 46

STATION NO: 46

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-22 cm	C. Hans Nelson	USGS	Biota & Rare Minerals	7/30/77
1	0-16 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/30/77

NEBCO

USGS STATION LOG

SHIP / LEG S5-77-BS

LATITUDE 063° 08.2' N

LONGITUDE -165° 02.0' W

STATION NO. 47

LINE NO. 77

DAY/MONTH/YEAR

DATE 30/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Camera Drop #6	7 m	10 Frames		
Box Core 47A	7 m	26 cm		
Box Core 47B	7 m	26 cm		

REMARKS:

Box Core 47A - 0-4 cm is fine to very fine sand and silt, X-bedded layers with some worm burrows, 4-10 cm is dark grey laminated silts and very fine sands, worm burrows present, 10-18 cm is fine sand with some pods of medium sand, bioturbated, some x-bedding, 18-26 cm is bioturbated fine sand with some remnant lamination.

Box Core 47B - 2 cm of ripple laminated fine sand, 7 cm of parallel laminated fine sand, 9 cm of ripple laminated fine sand and 8 cm of parallel laminated fine sand.

For more detailed information (i.e. sample photos, x-rays, bottom photos etc.) see C. Hans Nelson, Dave Drake or Dave Cacchione.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 47A & B

STATION NO: 47

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-26 cm	C. Hans Nelson	USGS	Biota & Rare Minerals	7/30/77
1	0-26 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/30/77

NEBCO

USGS STATION LOG

SHIP / LEG: S5-77-BS

LATITUDE: 062° 58.7' N

LONGITUDE: -165° 16.25' W

STATION NO.: 48

LINE NO.: 78

DAY/MONTH/YEAR

DATE: 30/7/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Box Core 48A	10 m	25 cm		
Camera Drop #6	10 m	6 Frames		

REMARKS:

Box Core 48A - 3 cm at top of ripple laminated fine sand then approximately 8 cm of laminated silt and peat, bottom 13 cm is laminated and ripple laminated fine sand and silt (some clay), slight bioturbation.

For more information see C. Hans Nelson, Dave Cacchione or Dave Drake.

NEBCO

SAMPLE LOG

LOCATOR: S5-77-BS

SAMPLE NO: Box Core 48

STATION NO: 48

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-25 cm	C. Hans Nelson	USGS	Biota & Rare Minerals	7/30/77
1	0-2 cm	C. Hans Nelson	USGS	Forams	7/30/77
1	0-10 & 14-23 cm	Keith Kvenvolden	USGS	Organic Geochem.	7/30/77
1	0-10 cm	Mark Sandstrom	UCLA	Hydrocarbons	7/30/77
1	3-9 cm	C. Hans Nelson	USGS	Carbon	7/30/77

NEBCO