ABBREVIATIONS:

G.C.	Gravity Corer
P.C.	Piston Corer
P.D.	Petterson Dredge
S-Mc.	Smith-McIntyre Grab
V.C.	Vibro Corer
V.V.	van Veen Grab

Volume of sampler was not included because this value varied from sample to sample depending on how full the sampler was upon retrieval. No records of this have been kept, but approximately 1000 gr. of each sample were kept for analysis while the remainder was dumped overboard.

LOG FOR GRAB SAMPLES

Project No: 0-197
Location: Ches. Bay

Logged by Noble
Date Logged 11 Dec.,1982

	Lab No.	Color	Calc. Mat. (Crucible no.)	Sediment Type	Remarks
Sample No: OP-I Lat: 36°56.50'N Long: 75°57.93'W Date: 30 July,1962 Water depth: 11 f	167-15	Olive Gray 5Y 3/2	L 405	Medium Grained Sand	Principally a medium grained sand; dirty, containing some silt and clay, a few granules, pebbles, and shell frags (pelecypods) ranging from 0.5mm to 15 mm.
Sample No: OP-II Lat: 37°01.3'N Long: 76°03.7'W Date: 1 Aug.,1962 Water depth: 6.3 f	167-16	Between Lt. Olive Gray and olive gray. Apx. 5Y 3/2	Very L. 96	Medium Grained Sand	Relatively clean (well sorted). Some silt present. Few razor clam shells, 22mm., still attached at hinge are present
Sample No: OP-III Lat: 36°59.37'N Long: 76°00.62'W Date: 30 July,1962 Water depth: 7.0 f	167-17	Olive Gray 5Y 3/2	Very L. 115	Fine Grained Sand	Principally a fine grained sand but containing both silt and clay. One razor clam 13 mm. long.
Sample No: OP-IV Lat: 36°58.41'N Long: 76°05.82'W Date: 1 August 1962 Water depth: 7.0 f	167-18	Between olive black 5Y 2/1 and greenish black 56Y 2/1	Very L. M4	Fine Grained sand with some silt and clay.	A few pelecypod frags. present. Dark color may be due to organic C and Fe^{+2}. On top and around side of jar color is rusty (lighter).
Sample No: OP-V Lat: 36°57.84'N Long: 75°58.93'W Date: 30 July,1962 Water depth: 4.7f.	167-19	Yellowish Gray 5Y 7/2	Very L. M52	Medium grained sand with some some fine grain.	Clean sand, one gastropod present. Principally quartz sand.
Sample No: OP-VI Lat: 36°57.18'N Long: 76°01.26'W Date: 30 July,'62 Water depth: 9.7f.	167-20	Olive Gray 5Y 3/2	151	Fine grained sand and silt and clay.	Pelecypod shell frags. one razor clam shell 31 mm. long, 7 mm. wide.
Sample No: OP-VII Lat: Long: Date: 30 July,'62 Water depth:	167-38	Greenish black 5G 2/1	L. 284	sandy clayey silt	oxidized on top of sample. few shell fragments.
Sample No: OP-VIII Lat: Long: Date: 1 Aug.,'62 Water depth:	167-39	Dark greenish gray 5GY 4/1	M 283	Silty Sand	Pelecypod shell frags. Oyster, razor clam, & others.

LOG FOR GRAB SAMPLES

Project No: 0-197
Location: Ches. Bay

Logged by Noble
Date Logged 11 Dec. 1982

	Lab No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: CoreII Lat: core catcher Long: Date: 1 Aug. 1962 Water depth:	167-40	Dark greenish gray 5GY 4/1	L. 285	Fine to Med. sand.	Few scattered shell frags. none observed whole.
Sample No: CoreIII Lat: core Long: catcher Date: 30 July 1962 Water depth:	167-41	Light olive brown 5Y 5/6	L. 280	coarse sand.	course sand with granules. Rock frags. and shell frangments.
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					

LOG FOR GRAB SAMPLES

Project No: 0-197
Location: Ches. Bay

Logged by Stewart
Date Logged 20 Dec. 62'

	Lab No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: Core IX-3 Lat: Long: Date: 22 Aug 1961 Water depth:	167-44	Olive Gray 5Y 3/2	L 53	Clayey Silt	Calc. matter confined to microforms
Sample No: Core IX_2-4 Lat: Long: Date: 22 Aug 1961 Water depth:	167-45	Light Olive Gray 5Y 5/2	M 271	Fine Sand	Fine sand with silt and some clay. High in broken frags of pelecypods, 1 echinoid spine.
Sample No: Core IX_2-5 Lat: Long: Date: 22 Aug 1961 Water depth:	167-46	Light Olive Gray 5Y 5/2	L 274	Sandy Silt	Very few shell fragments. Many microtests present
Sample No: Core XI_2-6 Lat: Long: Date: 22 Aug 1961 Water depth:	167-47	Olive Gray 5Y 3/2	L 123	Sandy Silt	Microtest only present sediment uniform.
Sample No: Core IX_3-7 Lat: Long: Date: 22 Aug 1961 Water depth:	167-48	Light Olive Gray 5Y 5/2	L 422	Sandy Clayey Silt	Microforms & scattered Shell fragments present.
Sample No: Core IX_3-8 Lat: Long: Date: 22 Aug 1961 Water depth:	167-49	Light Olive Gray 5Y 5/2	L 206	Clayey Silt	Microfauna present uniform
Sample No: Core IX_4-9 Lat: Long: Date: 22 Aug 1961 Water depth:	167-83	Olive Gray 5Y 4/1	L 174	Clayey Silt	Little mica present, uniform.
Sample No: Core X Lat: 36°59'28"N Long: 76°00'47"W Date: 23 Aug 1961 Water depth: 8.1 fa	167-84	Light Yellowish Brown 10YR 5/2	Med. L. 277	Med. grained sand with very little silt.	Shell fragments present.

LOG FOR GRAB SAMPLES

Project No: 0-197
Location: Ches. Bay

Logged by Stewart
Date Logged 20 Dec. 62'

	Lab No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: Core X_2 Lat: Long: Ditto X_1 Date: 23 Aug 1961 Water depth: 8.1 fa.	167-85	Between light olive gray & olive gray 5Y 5/1	Med. L 196	Med. grained sand with very little silt.	Shell fragments up to 7mm. present.
Sample No: Core X_3 Lat: Long: Ditto X_1 Date: 23 Aug 1961 Water depth: 8.1 fa.	167-86	Olive Gray 5Y 4/1	Med. L 187	Fine to medium grained sand with silt.	Shell frangments up to 7 mm. present.
Sample No: Core X_4 Lat: Long Ditto X_1 Date: 23 Aug 1961 Water depth: 8.1 fa.	167-87	Between pale yell. brn. & Dr. yell. brown. 10YR 5/2	Med. L 177	Fine to coarse grained sand with little silt.	Shell fragments up to 22 mm. present.
Sample No: Core X5 Lat: Long: Ditto X_1 Date: 23 Aug. 1961 Water depth: 8.1fa.	167-88	Olive Gray 5Y 4/1	L. 251X	Fine to coarse grained sand with some clay and silt.	Few shell fragments up to 3mm.
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					

LOG FOR GRAB SAMPLES

Project No: 0-197
Location: Ches. Bay

Logged by Noble
Date Logged January 8, 1963

	Lab No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: core IV-A Lat: 36°58.4 N Long: 76°05.82 W Date: Aug 1,1961 Water depth: 5.7 F	167-89	Olive Gray 5Y 4/1	L 236	Fine Grained Sand with clay and silt One pebble some mica	Few shell fragments Probably cinder from some boat or ship.
Sample No: core IV-B Lat: Long: ditto IV-A Date: Water depth: 5.7 F	167-90	Olive Gray 5y 4/1	L 131	Fined Grained sand with silt and clay Mica present.	Few coarse shell fragments up to 12 mm. long.
Sample No: core IV-C Lat: Long: Ditto IV-A Date: Water depth: 5.7 F	167- 91	Olive Gray 5Y 4/1	L	Fine Grained Sand with silt and clay Mica present	Few coarse shell fragments up to 21 mm. long
Sample No: core IV-D Lat: Long: Ditto IV-A Date: Water depth: 5.7 F	167-92	Olive Gray 5Y4/1	L 244	Fine grained sand with silt and clay Little mica present.	Very few shell fragments present.
Sample No: core IV-E Lat: Long: Ditto IV-A Date: Water depth: 5.7 F	167-93	Light Olive Gray to Greenish Gray 5Y 6/1 5GY6/1	None 114	Med grained sand. Relatively clean.	Appear to be high % of quartz sand.
Sample No: core IV-F Lat: Long: Ditto IV-A Date: Water depth: 5.7 F	167-94	Pale Olive to Grayish Olive 10Y 5/2	None 243	Fine to med. grained sand, silt and mica.	Ditto Above
Sample No: core IV-G Lat: Long: Ditto IV-A Date: Water depth: 5.7 F	167-95	Dark Greenish Gray 5GY 4/1	L 175	Silty sand	High in quartz. Some Clay.
Sample No: core IV-H Lat: Long: Ditto IV-A Date: Water depth: 5.7 F	167-96	Pale Yellowish Brown 10YR 6/2	L 1B6	Sand	Quartz sand med. to coarse grained. Some mica.

LOG FOR GRAB SAMPLES

Project No: 0-197
Location: Ches. Bay

Logged by Noble
Date Logged Jan. 8, 1963

	Lab No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: core IV-I Lat: Ditto IV-A Long: Date: Water depth: 5.7 F	167-97	Pale Yellowish brown 10YR 6/2	L 108	Sand	Quartz sand med. to coarse with silt, clay, and few pebbles.
Sample No: core IV_2 Lat: Ditto IV-A Long: Date: Water depth: 5.7 F	167-98	Light olive gray 5Y 5/2	L to M 228	Silty Sand	fine grained sand and silt with scattered shell fragments.
Sample No: core VI-A Lat: 36°57.18'N Long: 76°01.26'W Date: 30 July 1962 Water depth: 9.7F	167-99	Dark greenish gray 5GY 4/1	L 150	Clayey silt	Uniform clay-silt
Sample No: core VI-B Lat: Ditto VI-A Long: Date: Water depth:	167-100	Olive Gray 5Y 4/1	L 92	Silty clay	Uniform plastic clay with silt and very few shell fragments.
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					

LOG FOR GRAB SAMPLES

Project No: 0-197
Location: Ches. Bay

Logged by Stewart
Date Logged 30 Jan 63

MGG 09005008

	Lab No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: Core VI C Lat: Long: Ditto VI A Date: Water depth:	167-101	Dark Greenish Gray 5GY 4/1	L 244	Clayey Silt	Clayey silt with some admixed sand.
Sample No: Core VI D Lat: Long: Date: Ditto VI A Water depth:	167-102	Dark Greenish Gray 5 GY 4/1	L 156	Clayey Silt	Uniform Texture
Sample No: Core VI E Lat: Long: Date: Ditto VI A Water depth:	167-103	Dark Greenish Gray 5GY 4/1	L to M 237	Clayey Silt	Clayey Silt with Sand and Scattered shell frags.
Sample No: Core VI F Lat: Long: Date: Ditto VI A Water depth:	167-104	Dark Greenish gray 5GY 4/1	M 148	Sandy Clayey Silt	Larger amnts of sand and shell than above
Sample No: Core VI G Lat: Long: Date: Ditto VI A Water depth:	167-105	Light Olive Gray 5Y 6/1	M 205	Silty Sand	Sand with silt, clay and scattered shell frag.
Sample No: Core VI H Lat: Long: Date: Ditto VI A Water depth:	167-106	Olive Gray 5y 4/1	M 189	Silty Sand	Ditto Above
Sample No: Core VI I Lat: Long: Date: Ditto VI A Water depth:	167-107	Dark Greenish Gray 5GY 4/1	L 103	Silty Clay	Silty clay, little sand and very little shell.
Sample No: CORE VI Core Catcher Lat: Long: Date: Ditto VI A Water depth:	167-108	Olive Gray 5y 4/1	L 201	Silty Clay	Uniform Silty clay with Scattered mica

LOG FOR GRAB SAMPLES

Project No: 0-197
Location: Ches. Bay

Logged by Stewart
Date Logged 30 Jan 63

MGG 09005008

	Lab No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: Core VII 0-2" Lat: 36°56.5 Long: 76°01.4 Date: 30 July 62 Water depth: 9.0fm	167-109	Light Olive gray 5y 5/2	L 263	Sand	Fine sand with silt and shell frags.
Sample No: Core Lat: VII Core Long: Catcher Date: Ditto 0-2" Water depth:	167-110	Olive Gray 5y 3/2	L 204	Silt	Coarse silt with clay little or no shell.
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					

LOG BY:	PROJ. NO: 0-197	DATE LOGGED IN:
SAMPLE NO: I	SECTION NO: A,B,C,E,F,G	SAMPLER TYPE: Ewing
LATITUDE: 36°56.50' N	LOCATION: Ches. Bay	WATER DEPTH (fms) 11.0 (m)
LONGITUDE: 75°57.93' W		CORE LENGTH (cm)
DATE (d-m-y) 30-7-62		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS. $CaCO_3$	SEDIMENT TYPE (visual)
No D or sample from	Much darker sand silt & shell	Greenish	167-9	Med	142	sand; silt
core catcher sand		black5G2/1	(0-7)			& clay
do 15 size&15 $CaCO_3$			167-10	Low	219	
			(10-15)			
section A 0-51cm clay		clay				
0-15cm some shell fragments						
shaded areas sand		dark greenish				
pockets & lens,(some very		gray 5GY4/1				
sharp contacts&other very						
gradational)						
clay						
			167-11			
			(27.5-32)			
sand lense						
	very clean SiO_2		167-12			
			(34-37)			
clay						
mixed sand, silt						
& clay						
end section A 51cm						
section B 51cm-149.5						
51cm to 85 cm nothing						
but rags space & water						
?	?					

MCG 00005003

LOG BY:	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO:	SECTION NO:	SAMPLER TYPE:
LATITUDE:	LOCATION:	WATER DEPTH (fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y)		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)		CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS.	SEDIMENT TYPE (visual)
	80						
	82	? rags water space					
	84	85cm				$CaCO_3$	
	86			167-13	Low	45	
	88		Med Gray	(85-90)			Sand
	90		N-5				w/some clay
	92		plus white				
	94		to clear				
	96		Quartz				
	98		sands				
	100						
	102						
	104						
	106						
	108						
	110						
	112						
	114						
	116						
	118						
	120						
	122						
	124						
	126						
	128						
	130						
	132						
	134						
	136						
	138						
	140						
	142						
	144						
oyster shell	146						
	148			167-14			coarse
End Sect B	150			(145-149.5)			sand
Begin Section C	152						
149.5-237 cm	154	149.5-159.0 rags?					
	156						
	160						

LOG BY:	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO:	SECTION NO:	SAMPLER TYPE:
LATITUDE:	LOCATION:	WATER DEPTH (fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y)		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS.	SEDIMENT TYPE (visual)
160						
Section C 162		Med. Gray		Low		Coarse
164		N5				sand
166		plus white				
168		to clear				
170		Quartz				
172		sands				
174						
176						
178						
180						
182						
184						
186						
188						
190						
192						
194						
196						
198						
200						
202						
204						
206						
208						
210						
212						
214						
216						
218						
220						
222						
224						
226			167-21		$CaCO_3$	
End Section C 228			(226-237)		31	
Begin Section E 230	Rags					
232						
234	Void 237-245					
236						
238						
240						
242						

MSG 0 0 0 5 0 0 5

OCEANOGRAPHY - LABORATORY LOG SHEET

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LOG BY:	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO:	SECTION NO:	SAMPLER TYPE:
LATITUDE:	LOCATION:	WATER DEPTH (fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y)		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS.	SEDIMENT TYPE (visual)
240						
Section E	Rags	N-5		Low		coarse
		(same)				sand
260						
280						
300						
320						

LOG BY:	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO:	SECTION NO:	SAMPLER TYPE:
LATITUDE:	LOCATION:	WATER DEPTH (fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y)		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS.	SEDIMENT TYPE (visual)
320						
Section E		N-5		Low		coarse
		(same)				sand
			167-22		$CaCO_3$	
			(330-		173	
			337.5)			
End E 337.5					$CaCO_3$	
Section F 340	Air & water		167-23		37	
			342-			
		N-5	352			
		&				
		Olive				
		Gray				
		5Y4/1				
360						
380						
			167-24		184	
			377-			
			387			
			167-25		102	
			387-			
			400			
400						

LOG BY:	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO:	SECTION NO:	SAMPLER TYPE:
LATITUDE:	LOCATION:	WATER DEPTH (fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y)		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS.	SEDIMENT TYPE (visual)
400						
between 400 &		5Y 4/1	167-26	Med.		Coarse
420cm the coarse			400-		249	sand
sand grades into			410			
a very coarse						to
sand, granules &						
and shell						coarse
fragments						sand
						granules
						shell
420						frag
		Olive				
		Black				
		5Y2/1				
Sect G 440						
	Rags					
			(167-27)			
			445-			
			455			
460						
480						

MCG 0 0 0 5 0 0 9

OCEANOGRAPHY - LABORATORY LOG SHEET

LOG BY:	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO:	SECTION NO:	SAMPLER TYPE:
LATITUDE:	LOCATION:	WATER DEPTH (fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y)		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS.	SEDIMENT TYPE (visual)
480						
		5Y21/1		Med.		Coarse
						sand
						shell frag
						granules
500						
520						
			520-531			
			167-28		21	
530						
	Bottom 531 cm					
540						

OCEANOGRAPHY - LABORATORY LOG SHEET

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LOG BY:	PROJ. NO: 0-197	DATE LOGGED IN:
SAMPLE NO: II	SECTION NO: B	SAMPLER TYPE: Ewing
LATITUDE: 37°01.3' N	LOCATION: Ches. Bay	WATER DEPTH (fms) 6.3 (m)
LONGITUDE: 76°03.7' W		CORE LENGTH (cm) ?
DATE (d-m-y) 1-8-62		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS.	SEDIMENT TYPE (visual)
0						
top disturbed plus						sand &
sample from core catcher						shell frag.
7 size, 7; $CaCO_3$						
top portion of core	0-23					
seems disturbed	Rags & air					
because of air void						
(may have been sucked						
in core - piston)						
20						
very foul smelling?						
sand →						
the sand must be very						
permeable						
the sand material has						
dark&clear grains so the						
color symbols are only						
relative ? 40						
	Air					
	Void					
60						
WBD-		Olive Black	167-29		135	
		5Y 2/1	64-71			
70						
		Black	167-30		152	
		N-1	73-76			
80						

MGG 00 0 0 5 0 0 8

OCEANOGRAPHY - LABORATORY LOG SHEET

LOG BY:	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO:	SECTION NO:	SAMPLER TYPE:
LATITUDE:	LOCATION:	WATER DEPTH (fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y)		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS.	SEDIMENT TYPE (visual)
80		Dark				
		Greenish				
		Gray				
		5GY 2/1				
			167-31		147	
			95-100.5			
100						
	Bottom					
	100.5 cm					
120						

MGG 09 0 0 5 0 0 3

OCEANOGRAPHY - LABORATORY LOG SHEET

LOG BY:	PROJ. NO: 0-197	DATE LOGGED IN: 7 Dec. 62
SAMPLE NO: IV-(2)	SECTION NO: 2a & 2b	SAMPLER TYPE: Ewing
LATITUDE: 36°58.41' N	LOCATION: Ches. Bay	WATER DEPTH (fms) 5.7 (m)
LONGITUDE: 76°05.82' W		CORE LENGTH (cm) 111.0
DATE (d-m-y) 1-8-62		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS. $CaCO_3$	SEDIMENT TYPE (visual)
0						
Ewing 4' core		between	167-1	*Low	*1	sand w/
sections 2a&2b +0-2" in		dark green-	(0-10)		186	some silt
sample jar	shell	ish gray 5GY4/1				
size, Ca CO_3		and greenish				
		black				
structure lithology		5GY2/1				
seems (visual) rather						
constant (homogenous)						
throughout length of						
core			167-2			
20			(10-20)		167	
*throughout core there						
are random pieces of			167-3			
shell material clams etc			(20-30)		110	
*1 $CaCO_3$ only						
(8 intervals)			167-4			
			(40-50)		205	
40						
			167-5			
			(63-70)		72	
60						
			167-6			
			(70-77)		203	
80						

OCEANOGRAPHY - LABORATORY LOG SHEET

LOG BY:	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO:	SECTION NO:	SAMPLER TYPE:
LATITUDE:	LOCATION:	WATER DEPTH (fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y)		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS.	SEDIMENT TYPE (visual)
80		5GY 4/1	167-7	Low	14	sand w/
		&	(80-87)			some silt
		5GY 2/1				
100						
			167-8			
			(100-111)		92	
	Bottom 111 cm.					
120						

MGG 0000 5003

OCEANOGRAPHY - LABORATORY LOG SHEET

LOG BY: Noble	PROJ. NO: 0-197	DATE LOGGED IN: 27 Dec., 1962
SAMPLE NO: VI	SECTION NO: aa,b,c,d,e	SAMPLER TYPE: Ewing
LATITUDE: 36°57.18' N	LOCATION: Ches. Bay	WATER DEPTH (fms) 9.7 (m)
LONGITUDE: 76°01.26' W		CORE LENGTH (cm)
DATE (d-m-y) 30-7-62		CORE PENETRATION (cm) -

REMARKS: (odor, shells, bedding, structure, etc.)		CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS.	SEDIMENT TYPE (visual)
	0						
6 sections of core&sample		Rag & Air	65=0cm.				
from core catcher		65 cm.			Reduce	all intervals by 65 cm.	
17 sizes, 17 Ca CO_3	65		~~Black~~ - N1	65			
oily smell, fine gr. sand w/silt				167-50		137	
~~and clay (and few shell~~ frags.				69			
	69						
clay and some			Dark Green	167-51		9	
silt, with very			gray	73			
few shell frags.			5GY 4/1				
no stratificiation							
some material w/micaceous		80					
lustre present							
				90			
				167-52		190	
				96			
	100						
38	2'				moist. (99-123)	59.178	M 34
	2						
				113			
				167-53		213	
	120			120			
					MGG 00503		
				131	Moist.		
	140	Cont'd.		167-54			

LOG BY: Noble PROJ. NO: 0-197 DATE LOGGED IN: 27 Dec. 1962

SAMPLE NO: VI SECTION NO: a',a,b,c,d,e SAMPLER TYPE: Ewing

LATITUDE: 36°57.18' N LOCATION: WATER DEPTH(fms) 9.7 (m)

LONGITUDE: 76°01.26' W CORE LENGTH (cm)

DATE (d-m-y) 30-July-62 CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CRUC. NOS.	SEDIMENT TYPE (visual)
140					
		Dark Greenish gray 5GY 4/1	167-54 (139-143)	moist. 52.175 (139-143) 112 Cruc. No.	M18
clay with some silt and very few shell frags. no stratification some mica					
160					
180			(180) 167-55 (187)	129	
134 A B 200					
					Moist. 60.693 M70
220			167-56 (220-226)	180	
240	cont'd				

MGG 09 0 0 5 0 0 8

LOG BY: Noble PROJ. NO: 0-197 DATE LOGGED IN: 27 Dec. 1962

SAMPLE NO: VI SECTION NO: a',a,b,c,d,e SAMPLER TYPE: Ewing

LATITUDE: 36°57.18' N LOCATION: WATER DEPTH(fms) 9.7 (m)

LONGITUDE: 76°01.26' W CORE LENGTH (cm)

DATE (d-m-y) 30 July, 1962 CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CRUC. NOS.	SEDIMENT TYPE (visual)
240					
clay with silt and very few shell frags. no stratification some mica		Dark greenish gray 5GY 4/1			
260					
			167-57 (260-266)	116	
280					
300					
			167-58 (300-306)	228	
	243 B C				
320					
			167-59 (320-326)	136	
340	cont'd				

MGG 09005008

LOG BY: Noble	PROJ. NO: 0-197	DATE LOGGED IN: 27 Dec. 1962
SAMPLE NO: VI	SECTION NO: a',a,b,c,d,e	SAMPLER TYPE: Ewing
LATITUDE: 36°57.18' N	LOCATION:	WATER DEPTH (fms) 9.7 (m)
LONGITUDE: 76°01.26' W		CORE LENGTH (cm)
DATE (d-m-y) 30 July, 1962		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CRUC. NOS.	SEDIMENT TYPE (visual)
340					
360			167-60 (360-366)	143	
380				WBD	
400			167-61 (400-426)	259	
C 347 D					
420			167-62 (422-428)	122	
440	cont'd				

OCEANOGRAPHY - LABORATORY LOG SHEET

LOG BY: Noble | PROJ. NO: 0-197 | DATE LOGGED IN: 28 Dec. 1962

SAMPLE NO: VI | SECTION NO: A',A,B,C,D,E | SAMPLER TYPE: Ewing

LATITUDE: 36°57.18' N | LOCATION: Ches. Bay | WATER DEPTH(fms) 9.7 (m)

LONGITUDE: 76°01.26' W | CORE LENGTH (cm)

DATE (d-m-y) 30-7-62 | CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CRUC. NOS.	SEDIMENT TYPE (visual)
440					
clay with silt and very few shell frags. no stratification some mica		Dark Greenish gray 5GY 4/1			
460			167-63 (460-466)	175	
480					
500			167-64 (501-507)	182	
442 D E					
520					
			167-65 (534-540)	256X	
540	cont'd				

MGG00005008

LOG BY: Noble	PROJ. NO: 0-197	DATE LOGGED IN: 28 Dec., 1962
SAMPLE NO: VI	SECTION NO: A',A,B,C,D,E	SAMPLER TYPE: Ewing
LATITUDE: 36°57.18' N	LOCATION: Ches. Bay	WATER DEPTH(fms) 9.7 (m)
LONGITUDE: 76°01.26' W		CORE LENGTH (cm)
DATE (d-m-y) 30-7-62		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CRUC. NOS.	SEDIMENT TYPE (visual)
540					
clay with silt and		dark			
very few shell frags		greenish			
no stratification		gray			
some mica		5GY 4/1			
560					
			167-66 (572-578)	246	
580					
600			167-67 (600-606)	25	
541	Bottom				

OCEANOGRAPHY - LABORATORY LOG SHEET

LOG BY: Noble & Stiles	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO: BS-VII	SECTION NO:	SAMPLER TYPE: Ewing
LATITUDE:	LOCATION: Ches. Bay	WATER DEPTH (fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y) 30-7-62		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS. $CaCO_3$ only	SEDIMENT TYPE (visual)
0						
Section A 0-82cm			167-32		41	fine to
sizes: 16, Ca CO_3			0-10			med sand
						intermittent
						silt & clay
						areas
add 5 cm to						not very
all measurements						pronounced
(for 0-5cm in sample jar)						
20						
			167-33		121	
			32-42			
40						
60						
			167-34		168	
			72-82			
80						

OCEANOGRAPHY - LABORATORY LOG SHEET

LOG BY:	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO:	SECTION NO:	SAMPLER TYPE:
LATITUDE:	LOCATION:	WATER DEPTH (fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y)		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS.	SEDIMENT TYPE (visual)
80						fine to medium
						grained
Section B 82-155.5						quartz sand
						with shell
odor of H_2S and ? oil.						frags up to
shell frags are scattered						4 cm in
throughout with						length
occassional localized						
concentrations of frags.						
frags principally 100			167-35		222	
of pelecypods			(98.5-105.5)			
a few pods of silt						
and clay						
120						
			167-36		163	
			119-129			
140						
150						
			167-37		107	
B 155.5			(145-155.5			
Sect C 155.5-248 160		Black N1				
fine to medium sand, with	CONT'D					
few shell frags and oily						

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OCEANOGRAPHY - LABORATORY LOG SHEET

LOG BY:	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO:	SECTION NO:	SAMPLER TYPE:
LATITUDE:	LOCATION:	WATER DEPTH (fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y)		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h,m,l	CRUC. NOS.	SEDIMENT TYPE (visual)
160						
		N1				
fine to med.grained sand		between				
with some silt and	blebs of silt +	olive gray and				
shell frags. Oily,	clay	olive black				
no stratification in the		5Y 3/1				
sand		mottled with				
		black(N1)	167-68		108	
		↓	(170-176)			
180		Dark Gray				
		N3 mottled				
		with olive				
		gray 5Y4/1				
layer of clay and silt →						
	clayballs					
200						
clay and silt increases,			167-69		153	
as does coarse grd med			(?-207)			
shell frags(upto 14mm.						
long)						
Med.to coarse grained sand			167-70 size only			
			(212-216)			
some clay and shell frags			216-218cm		141	chem. only
med.to coarse grained sand.						
220						
clay, fine grained sand						
clay						
fine to coarse grained sand						
with clay ball →			167-71		28	
			(226-232)			
fine to Med.grained sand.						
clay →						
fine to Med.grained sand						
240						
with clay ball.						
	Cont'd.					

LOG BY:	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO:	SECTION NO:	SAMPLER TYPE:
LATITUDE:	LOCATION:	WATER DEPTH(fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y)		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CRUC. NOS.	SEDIMENT TYPE (visual)
240					
clay & silt.					
fine to med. grained					
sand with small			167-72		size only
clay balls C			(242-248)		
Sec. D. 248-344.5					
fine to Med. grained D					
sand with shell frags.					
and clay balls. Sand					
only slightly damp,					
not cohesive 260			167-73	150	
			(256-262)		
Material is cohesive,		dark greenish			
more moisture. silt		gray	167-74	224	
and clay increasing		5GY 4/1			
	sand		(262-270)		
sand(fine to med. grained)					
occurs in lens and					
pockets					
280					
	sand				
fine grained sand and					
silt mixed with			167-75	240	
clay. Clay constitutes			(290-297)		
a high %?(20-30%)?					
shell frags throughout. 300					
clay balls					
320					
			167-76	PWA	
			(324-330)		
clay balls					
340	cont'd.				

LOG BY:	PROJ. NO:	DATE LOGGED IN:
SAMPLE NO:	SECTION NO:	SAMPLER TYPE:
LATITUDE:	LOCATION:	WATER DEPTH(fms) (m)
LONGITUDE:		CORE LENGTH (cm)
DATE (d-m-y)		CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CRUC. NOS.	SEDIMENT TYPE (visual)
340 D		dark greenish gray			
344.5 Sec.E 344.5-444 E					
on fresh wet surface, material appears homogeneous.					
fine grained sand and silt intermixed with clay. 360 partially dried the sand is seen to occur in irregular lens and discontinuous layers.			167-77 (360-366)	225	
380					
400			167-78 (393-404)	221	
420					
440	cont'd				

MGG 00005008

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LOG BY: PROJ. NO: DATE LOGGED IN:

SAMPLE NO: SECTION NO: SAMPLER TYPE:

LATITUDE: LOCATION: WATER DEPTH(fms) (m)

LONGITUDE: CORE LENGTH (cm)

DATE (d-m-y) CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CRUC. NOS.	SEDIMENT TYPE (visual)
440		Dark greenish gray	167-79 (433-444)	416	
E					
F					
			167-80 (454-460)	7	
460					
480					
			167-81 (489-495)	202	
500					
			167-82 (515-521)	164	
520 521	Bottom				

09005008

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

MC09005008

ANALYZED BY STEWART, Rushton

DATE Dec 62

NAVOCEANO-EXP-3167/18-A (Rev. 1-63)

1. CRUISE NO. 0-197
2. LATITUDE 36 °56.50' N "
3. LONGITUDE 75 °57.93' W "
4. SAMPLE NO. I
5. DATE TAKEN (DAY, MO., YR.) 30 JULY 62
6. WATER DEPTH (m) 20.1
7. TYPE CORER EWING
8. CORE LENGTH (cm) 531.0
9. CORER PENETRATION (cm) –

10. LABORATORY NUMBER	167-9	167-10	167-11	167-12	167-13	167-14	167-21	167-22	167-23	167-24	167-25	167-26	167-27
11. SUBSAMPLE DEPTH IN CORE (cm)	0-7	10-15	27.5-32	34-37	85-90	145-149.5	226-237	330-337.5	342-352	377-387	387-400	400-410	445-455
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	Greenish BLACK 5G2/1 [L]	5GY 4/1 [L]	5GY 4/1 [L]	5GY 4/1 [L]	N-5 [L]	N-5 [L]	N-5 [L]	N-5 [L]	N-5 + 5Y4/1 [L]	N-5 + 5Y4/1 [L]	N-5 + 5Y4/1 [L]	5Y4/1 [L]	5Y2/1 [L]
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)	2.60						1.65	8.24	13.55	14.70	12.14	11.38	43.90
b. 4 to 2 mm (%)	4.72	0.13		0.04	0.92	3.82	9.21	14.62	19.89	6.37	11.26	6.65	13.43
c. 2 to 1 mm (%)	5.79	0.31	0.35	2.52	7.93	10.70	18.34	18.58	16.90	10.01	13.57	9.45	10.50
d. 1 to .500 mm (%)	11.18	1.39	0.75	15.51	29.04	34.29	36.01	33.23	28.61	28.85	11.94	12.02	13.50
e. .500 to .250 mm (%)	17.03	1.66	1.09	24.20	16.01	36.25	29.78	20.32	16.87	25.96	9.65	25.42	13.24
f. .250 to .125 mm (%)	7.82	2.91	0.86	9.90	5.35	5.55	3.04	2.40	2.60	4.46	16.51	20.75	4.72
g. .125 to .062 mm (%)	14.61	7.80	0.92	1.92	1.50	0.35	0.06	0.48	0.96	0.20	6.72	3.72	0.46
h. .062 to .031 mm (%)	18.13	42.34	35.08	18.82	14.01	9.04	1.88	2.12	0.61	9.49	7.08	10.56	0.29
i. .031 to .016 mm (%)													
j. .016 to .008 mm (%)	6.65	16.35	22.43	9.79	8.74						4.57		
k. .008 to .004 mm (%)													
l. .004 to .002 mm (%)	11.48	8.29	11.79	17.31	16.51						6.64		
m. .002 to .001 mm (%)													
n. < .001 mm (%)		18.82	26.74										
o. Median Diameter (mm)	.1199	.0190	.0080	.1426	.2994	.4965	.6690	.8468	1.014	.6329	.4633	.3729	2.9282
p. Sorting Coefficient	4.16	3.72	5.32	5.68	6.43	1.57	1.63	1.92	2.14	2.06	3.81	2.52	3.19
q. Skewness	0.96	0.32	0.28	0.24	0.11	1.00	1.08	1.28	1.40	1.31	1.06	1.59	0.59
r. Standard Deviation (mm)													
s. Sediment Type	SILTY SAND	CLAYEY SILT	CLAYEY SILT	SANDY MUD	SANDY MUD	SAND	SAND	SAND	SAND	SAND	SAND	SAND	SAND
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	3	4	–	–	5	–	1	3	3	5	2	12	–
w. Organic Carbon (%)													

15. REMARKS

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY Stewart & Rushton

DATE Dec. 62

NAVOCEANO-EXP-3167/18-A (Rev. 1-63)

1. CRUISE NO. 0-197	4. SAMPLE NO. I	7. TYPE CORER Ewing
2. LATITUDE 36 °56.50'N "	5. DATE TAKEN (DAY, MO., YR.) 30 July 62	8. CORE LENGTH (cm) 531.0
3. LONGITUDE 75 °57.93'W "	6. WATER DEPTH (m) 20.1	9. CORER PENETRATION (cm) —

10. LABORATORY NUMBER	167-28												
11. SUBSAMPLE DEPTH IN CORE (cm)	520-531												
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5Y2/1 [L]												
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)	18.10												
b. 4 to 2 mm (%)	13.02												
c. 2 to 1 mm (%)	13.07												
d. 1 to .500 mm (%)	26.20												
e. .500 to .250 mm (%)	22.01												
f. .250 to .125 mm (%)	4.74												
g. .125 to .062 mm (%)	0.64												
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)													
j. .016 to .008 mm (%)	>2.16												
k. .008 to .004 mm (%)													
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)													
n. < .001 mm (%)													
o. Median Diameter (mm)	.8645												
p. Sorting Coefficient	2.46												
q. Skewness	1.62												
r. Standard Deviation (mm)													
s. Sediment Type	SAND												
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	2												
w. Organic Carbon (%)													

15. REMARKS

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MGG09005008

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART + RUSHTON

DATE Dec. 62

NAVOCEANO-EXP-3167/18-A (Rev. 1-63)

1. CRUISE NO. 0-197
2. LATITUDE 37 °01.3' N "
3. LONGITUDE 76 °03.7' W "
4. SAMPLE NO. II
5. DATE TAKEN (DAY, MO., YR.) 1 AUG. 62
6. WATER DEPTH (m) 11.5
7. TYPE CORER EWING
8. CORE LENGTH (cm) 100.5
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	167-29	167-30	167-31	167-40
11. SUBSAMPLE DEPTH IN CORE (cm)	64-71	73-76	95-100.5	core catcher
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5Y2/1 L	N-1 L	5GY2/1 L	5GY4/1 L
13. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 (mm) (%)				0.60
b. 4 to 2 mm (%)	0.14	0.95	0.61	0.19
c. 2 to 1 mm (%)	0.74	0.33	0.71	0.13
d. 1 to .500 mm (%)	0.55	0.80	0.76	0.28
e. .500 to .250 mm (%)	50.17	37.69	10.11	5.70
f. .250 to .125 mm (%)	27.36	33.37	31.58	29.19
g. .125 to .062 mm (%)	9.89	16.84	47.52	53.87
h. .062 to .031 mm (%)	6.01	4.11	3.69	4.50
i. .031 to .016 mm (%)				
j. .016 to .008 mm (%)	2.08	2.19	1.45	1.31
k. .008 to .004 mm (%)				
l. .004 to .002 mm (%)	3.35	3.73	3.56	4.22
m. .002 to .001 mm (%)				
n. < .001 mm (%)				
o. Median Diameter (mm)	.2517	.2031	.1174	.1081
p. Sorting Coefficient	1.49	1.58	1.44	1.37
q. Skewness	0.69	0.84	1.12	1.06
r. Standard Deviation (mm)				
s. Sediment Type	SAND	SAND	SAND	SAND
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	2	3	5	3
w. Organic Carbon (%)				

15. REMARKS Top of core disturbed.

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MG 09 005 008

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY _____ DATE Dec. 1962

1. CRUISE NO. 0-197	4. SAMPLE NO. III	7. TYPE CORER Ewing
2. LATITUDE 36° 59.4' " N	5. DATE TAKEN (DAY, MO., YR.) 30 July 1962	8. CORE LENGTH (cm) — *
3. LONGITUDE 76° 00.6' " W	6. WATER DEPTH (m) 12.8	9. CORER PENETRATION (cm) 106.7

10. LABORATORY NUMBER	167-41												
11. SUBSAMPLE DEPTH IN CORE (cm)	Corer Catcher												
12. COLOR (GSA ROCK COLOR CHART) F FIELD L LAB DETERMINATION	5Y5/6 L												
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (%)													
b. 4 to 2 mm (%)	3.78												
c. 2 to 1 mm (%)	17.88												
d. 1 to .500 mm (%)	40.19												
e. .500 to .250 mm (%)	26.04												
f. .250 to .125 mm (%)	3.86												
g. .125 to .062 mm (%)	5.04												
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)													
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	3.22												
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)													
n. < .001 mm (%)													
o. Median Diameter (mm)	.6071												
p. Sorting Coefficient	1.58												
q. Skewness	0.93												
r. Standard Deviation (mm)													
s. Sediment Type	Sand												
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	3												
w. Organic Carbon (%)													

15. REMARKS

*Core lost; sample taken from core catcher

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART + Rushton

DATE Dec. 62.

NAVOCEANO-EXP-3167/18-A (Rev. 1-63)

1. CRUISE NO. 0-197	4. SAMPLE NO. IV	7. TYPE CORER EWING
2. LATITUDE 36 °58.41' N "	5. DATE TAKEN (DAY, MO., YR.) 1 AUG. 62	8. CORE LENGTH (cm) 111.0
3. LONGITUDE 76 °05.82' W "	6. WATER DEPTH (m) 10.4	9. CORER PENETRATION (cm) —

10. LABORATORY NUMBER	167-1	167-2	167-3	167-4	167-5	167-6	167-7	167-8					
11. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-20	20-30	40-50	63-70	70-77	80-87	100-111.					
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5GY4/1 +5GY2/1 L	5GY4/1 5GY2/1 L	5GY4/1 5GY2/1 L	5GY4/1 5GY2/1 L	5GY4/1 5GY2/1 L	5GY4/1 5GY2/1 L	5GY4/1 5GY2/1 L	5GY4/1 5GY2/1 L					
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)	0.38	0.35	0.59	0.45		0.17							
b. 4 to 2 mm (%)	0.33	0.40	0.40	0.21	0.34	0.19	0.16	0.49					
c. 2 to 1 mm (%)	0.37	0.85	0.75	0.85	1.01	1.32	2.36	1.67					
d. 1 to .500 mm (%)	3.52	4.26	5.30	4.70	5.91	8.28	12.02	12.52					
e. .500 to .250 mm (%)	8.19	8.62	9.62	10.37	12.68	16.62	22.66	27.61					
f. .250 to .125 mm (%)	28.46	32.80	33.87	37.14	35.11	32.06	25.33	21.00					
g. .125 to .062 mm (%)	50.76	39.31	39.90	33.92	30.84	28.64	26.59	15.17					
h. .062 to .031 mm (%)	4.01	9.31	6.59	6.19	7.45	4.94	5.17	11.68					
i. .031 to .016 mm (%)													
j. .016 to .008 mm (%)	1.89	1.46	2.42	3.40	2.96	3.57	2.81	4.10					
k. .008 to .004 mm (%)													
l. .004 to .002 mm (%)	1.89	2.66	2.55	2.78	3.68	4.20	2.92	5.76					
m. .002 to .001 mm (%)													
n. < .001 mm (%)													
o. Median Diameter (mm)	.1150	.1199	.1259	.1358	.1377	.1507	.1768	.1921					
p. Sorting Coefficient	1.44	1.54	1.55	1.55	1.62	1.73	1.90	2.22					
q. Skewness	1.16	1.07	1.10	0.97	0.99	1.03	1.07	0.75					
r. Standard Deviation (mm)													
s. Sediment Type	SAND	SAND	SAND	SAND	SAND	SAND	SAND	silty SAND					
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	3	3	3	3	2	3	3	3					
w. Organic Carbon (%)													

15. REMARKS

38

CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

MGG09005068

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY _____ DATE Dec. 1962

1. CRUISE NO. 0-197	4. SAMPLE NO. IV-(1)	7. TYPE CORER Ewing
2. LATITUDE 36° 58.4' " N	5. DATE TAKEN (DAY, MO., YR.) 1 August 1962	8. CORE LENGTH (cm) 213.4
3. LONGITUDE 76° 05.8' " W	6. WATER DEPTH (m) 10.4	9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	167-89	167-90	167-91	167-92	167-93	167-94	167-95	167-96	167-97				
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	40.5-45.5	84-89	107-112	132-137	152-157	183-188	198-203	208-213				
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5Y4/1 [L]	5Y4/1 [L]	5Y4/1 [L]	5Y4/1 [L]	5GY6/1 & 5Y6/1 [L]	10Y5/2 [L]	5GY4/1 [L]	10YR6/2 [L]	10YR6/2 [L]				
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (%)	0.12	0.17	0.11				0.94		7.51				
b. 4 to 2 mm (%)	0.28	0.27	0.06	0.16	0.07		0.55		2.15				
c. 2 to 1 mm (%)	0.50	0.88	1.11	1.79	1.90	0.17	1.01	0.14	3.45				
d. 1 to .500 mm (%)	8.10	4.78	7.22	12.69	11.73	1.22	3.50	5.06	10.86				
e. .500 to .250 mm (%)	6.99	9.97	15.05	26.85	37.07	12.02	23.16	60.68	35.79				
f. .250 to .125 mm (%)	27.32	34.73	34.61	20.33	38.44	63.68	17.38	23.08	18.53				
g. .125 to .062 mm (%)	49.83	33.54	28.47	22.66	3.46	11.52	11.45	2.80	7.47				
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	3.94	6.61	4.62	6.47	2.37	3.87	17.49	2.18	3.17				
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	1.69	2.40	2.46	2.50	1.65	2.76	9.52	2.12	3.15				
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	6.21	6.63	6.31	6.57	3.29	4.79	14.99	3.96	7.93				
n. < .001 mm (%)													
o. Median Diameter (mm)	0.1166	0.1267	0.1456	0.1882	0.2535	0.1661	0.1022	0.2912	0.2994				
p. Sorting Coefficient	1.45	1.59	1.66	2.04	1.49	1.29	4.09	1.34	1.85				
q. Skewness	0.97	0.99	0.99	0.89	1.04	0.99	0.42	0.87	0.78				
r. Standard Deviation (mm)													
s. Sediment Type	Sand	Sand	Sand	Sand	Sand	Sand	Silty Sand	Sand	Sand				
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	3	3	4	3	2	1	2	0.3	0.4				
w. Organic Carbon (%)													

15. REMARKS Core separated in places. Subsampled in the field.

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

TAGHOS 0065068

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY _____ DATE Dec. 1962

1. CRUISE NO. 0-197
2. LATITUDE 36° 58.4' " N
3. LONGITUDE 76° 05.8' " W
4. SAMPLE NO. IV -(2)
5. DATE TAKEN (DAY, MO., YR.) 1 Aug. 1962
6. WATER DEPTH (m) 10.4
7. TYPE CORER Ewing
8. CORE LENGTH (cm) 116.0
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	167-98	167-1	167-2	167-3	167-4	167-5	167-6	167-7	167-8				
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	5-15	15-25	25-35	45-55	68-75	75-82	85-92	105-116				
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5Y5/2	5GY4/1 &	5GY4/1 &	5GY4/1 &	5GY4/1 &	5GY4/1 &	5GY4/1 &	5GY4/1 &	5GY4/1 &				
	L	L 5GY2/1	L 5GY2/1	L 5GY2/1	L 5GY2/1	L 5GY2/1	L 5GY2/1	L 5GY2/1	L 5GY2/1				
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (%)	0.47	0.38	0.35	0.59	0.45		0.17						
b. 4 to 2 mm (%)	0.05	0.33	0.40	0.40	0.21	0.34	0.19	0.16	0.49				
c. 2 to 1 mm (%)	0.72	0.57	0.85	0.75	0.85	1.01	1.32	2.36	1.67				
d. 1 to .500 mm (%)	0.91	3.52	4.26	5.30	4.70	5.91	8.28	12.02	12.52				
e. .500 to .250 mm (%)	4.47	8.19	8.62	9.62	10.37	12.68	16.62	22.66	27.61				
f. .250 to .125 mm (%)	22.18	28.46	32.80	33.87	37.14	35.11	32.06	25.33	21.00				
g. .125 to .062 mm (%)	57.57	50.76	39.31	39.90	33.92	30.84	28.64	26.59	15.17				
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	5.98	4.01	9.31	6.59	6.19	7.45	4.94	5.17	11.68				
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	1.98	1.89	1.46	2.42	3.40	2.96	3.57	2.81	4.10				
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	6.28	1.89	2.66	2.55	2.78	3.68	4.20	2.92	5.76				
n. < .001 mm (%)													
o. Median Diameter (mm)	0.0981	0.1150	0.1199	0.1259	0.1358	0.1377	0.1507	0.1768	0.1921				
p. Sorting Coefficient	1.35	1.44	1.54	1.55	1.55	1.62	1.73	1.90	2.22				
q. Skewness	1.04	1.16	1.07	1.10	0.97	0.99	1.03	1.07	0.75				
r. Standard Deviation (mm)													
s. Sediment Type	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand	Silty Sand				
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	4	3	3	3	3	2	3	3	3				
w. Organic Carbon (%)													

15. REMARKS

MGG09005008 40

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY _____ DATE Dec. 1962

1. CRUISE NO. 0-197	4. SAMPLE NO. VI-(1)	7. TYPE CORER Ewing
2. LATITUDE 36° 57.2' " N	5. DATE TAKEN (DAY, MO., YR.) 30 July 1962	8. CORE LENGTH (cm) 152.4
3. LONGITUDE 76° 01.3' " W	6. WATER DEPTH (m) 17.8	9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	167-99	167-100	167-101	167-102	167-103	167-104	167-105	167-106	167-107				
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	30-35.5	61-66	91.5-96.5	112-117	122-127	129.5-132	137.5-142.5	142.5-147.5				
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5GY4/1 L	5Y4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	5Y6/1 L	5Y4/1 L	5GY4/1 L				
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (%)					0.28								
b. 4 to 2 mm (%)					0.11	0.62	0.10	0.21	0.03				
c. 2 to 1 mm (%)					0.25	0.25	0.24	0.42	0.03				
d. 1 to .500 mm (%)	0.07		0.04	0.07	0.43	1.20	1.40	2.36	0.06				
e. .500 to .250 mm (%)	0.22	0.22	0.12	0.30	1.00	1.89	2.90	3.25	0.16				
f. .250 to .125 mm (%)	1.50	1.49	1.35	1.22	7.18	10.48	22.66	21.59	1.55				
g. .125 to .062 mm (%)	5.48	4.29	4.01	3.45	12.19	17.07	39.69	33.88	6.79				
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	36.85	38.34	41.77	39.54	34.51	31.34	11.89	14.61	42.04				
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	18.08	17.53	18.39	17.60	14.93	12.56	6.64	6.41	16.33				
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	10.04	10.08	8.58	9.82	7.46	24.57	14.48	17.30	9.22				
n. < .001 mm (%)	27.76	28.05	25.75	27.98	21.68				23.77				
o. Median Diameter (mm)	0.0100	0.0102	0.0129	0.0103	0.0196	0.0276	0.0836	0.0786	0.0161				
p. Sorting Coefficient	6.25	6.13	5.50	6.54	5.27	4.39	2.26	2.72	5.12				
q. Skewness	0.19	0.18	0.15	0.15	0.26	0.43	0.48	0.39	0.15				
r. Standard Deviation (mm)													
s. Sediment Type	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Silty Mud	Silty Mud	Silty Sand	Silty Sand	Clayey Silt				
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	5	5	5	6	5	6	3	5	6				
w. Organic Carbon (%)													

15. REMARKS *Subsampled in the field.*

Samples are in reverse order

Yes ↓ 0-5

No ↓ 142.5 to 147.5 = 0 to 5 = 142.5-147.5

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HS 09 005 008

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART + RUSHTON

DATE Dec. 62

NAVOCEANO-EXP-3167/18-A (Rev. 1-63)

1. CRUISE NO. 0-197	4. SAMPLE NO. VI-(2)	7. TYPE CORER EWING
2. LATITUDE 36 °57.18' N "	5. DATE TAKEN (DAY, MO., YR.) 30 JULY 62	8. CORE LENGTH (cm) 541
3. LONGITUDE 76 °01.26' W "	6. WATER DEPTH (m) 17.8	9. CORER PENETRATION (cm) 640

10. LABORATORY NUMBER	167-50	167-51	167-52	167-53	167-54	167-55	167-56	167-57	167-58	167-59	167-60	167-61	167-62
11. SUBSAMPLE DEPTH IN CORE (cm)	0-4	4-8	25-31	48-55	74-78	115-122	155-161	195-201	235-241	255-261	295-301	335-341	357-362
12. COLOR (GSA ROCK COLOR CHART) F FIELD L LAB DETERMINATION	N-1 L	5GY 4/1 L	5GY 4/1 L	5GY 4/1 L	5GY 4/1 L	5GY 4/1 L	5GY 4/1 L	5GY 4/1 L	5GY 4/1 L	5GY 4/1 L	5GY 4/1 L	5GY 4/1 L	5GY 4/1 L
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)	2.84	0.24											
b. 4 to 2 mm (%)	0.47	0.15		0.04					0.03		0.04		
c. 2 to 1 mm (%)	0.61	0.24							0.06		0.04		
d. 1 to .500 mm (%)	2.65	1.00	0.04	0.09	0.03		0.04			0.04		0.03	0.03
e. .500 to .250 mm (%)	4.11	1.94	0.08		0.20	0.04	0.07	0.07	0.09	0.08	0.13	0.09	0.09
f. .250 to .125 mm (%)	26.06	10.47	0.69	1.85	1.89	1.31	1.23	1.24	1.55	2.52	2.12	5.65	4.94
g. .125 to .062 mm (%)	29.98	8.63	2.71	4.55	3.75	4.47	3.50	0.07	5.99	9.38	5.22	17.99	17.81
h. .062 to .031 mm (%)	11.84	37.08	39.03	42.11	38.29	38.52	35.38	41.22	36.53	36.74	39.87	30.18	30.28
i. .031 to .016 mm (%)													
j. .016 to .008 mm (%)	7.49	14.23	19.62	18.91	19.91	19.26	19.18	20.03	19.23	16.96	18.66	16.19	16.12
k. .008 to .004 mm (%)	4.93												
l. .004 to .002 mm (%)	13.93	7.26	11.73	9.67	11.64	10.98	13.03	11.85	11.48	10.36	10.39	9.27	8.14
m. .002 to .001 mm (%)													
n. < .001 mm (%)		18.77	26.09	22.77	24.29	25.42	27.56	25.54	25.05	23.93	23.54	20.61	22.60
o. Median Diameter (mm)	.0934	.0219	.0093	.0142	.0104	.0105	.0078	.0096	.0105	.0145	0.130	.0187	.0178
p. Sorting Coefficient	2.56	4.15	5.12	4.51	4.89	5.38	5.85	4.93	5.27	5.34	4.92	5.40	6.11
q. Skewness	0.46	0.39	0.25	0.20	0.27	0.21	0.28	0.21	0.25	0.20	0.21	0.33	0.26
r. Standard Deviation (mm)													
s. Sediment Type	SILTY SAND	SILTY MUD	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	SILTY MUD	SILTY MUD
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	5	6	5	5	4	4	5	5	6	5	6	4	3
w. Organic Carbon (%)													

15. REMARKS 0-65 cm. (RAGS)?

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY _____

DATE _____

NAVOCEANO-EXP-3167/18-A (Rev. 1-63)

1. CRUISE NO. 0-197
2. LATITUDE ° ' "
3. LONGITUDE ° ' "
4. SAMPLE NO. VI-(2) cont.
5. DATE TAKEN (DAY, MO., YR.)
6. WATER DEPTH (m)
7. TYPE CORER
8. CORE LENGTH (cm)
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	167-63	167-64	167-65	167-66	167-67	167-108							
11. SUBSAMPLE DEPTH IN CORE (cm)	395-401	436-442	469-475	507-513	535-541	core catcher							
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5GY 4/1 [L]	5GY 4/1 [L]	5GY 4/1 [L]	5GY 4/1 [L]	5GY 4/1 [L]	5Y4/1 [L]							
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)													
b. 4 to 2 mm (%)	0.06												
c. 2 to 1 mm (%)	0.03					0.04							
d. 1 to .500 mm (%)	0.06	0.04	0.03	0.03	0.03	0.08							
e. .500 to .250 mm (%)	0.09	0.11	0.09	0.05	0.10	0.23							
f. .250 to .125 mm (%)	5.91	1.75	1.17	0.85	1.82	2.36							
g. .125 to .062 mm (%)	18.48	5.23	7.30	8.94	15.78	13.53							
h. .062 to .031 mm (%)	30.27	33.45	33.15	32.43	32.31	30.44							
i. .031 to .016 mm (%)													
j. .016 to .008 mm (%)	15.57	21.75	19.42	19.16	17.65	19.62							
k. .008 to .004 mm (%)													
l. .004 to .002 mm (%)	9.71	12.25	11.68	11.39	9.21	9.33							
m. .002 to .001 mm (%)													
n. < .001 mm (%)	19.85	25.41	27.17	27.17	23.10	24.38							
o. Median Diameter (mm)	.0195	.0087	.0086	.0090	.0156	0.0125							
p. Sorting Coefficient	5.29	5.36	6.21	6.39	5.56	5.95							
q. Skewness	0.36	0.31	0.26	0.25	0.25	0.27							
r. Standard Deviation (mm)													
s. Sediment Type	SILTY MUD	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT							
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	4	6	5	5	3	5							
w. Organic Carbon (%)													

15. REMARKS

MGG09005008 43

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART + RUSHTON

DATE

NAVOCEANO-EXP-3167/18-A (Rev. 1-63)

1. CRUISE NO. 0-197	4. SAMPLE NO. VII	7. TYPE CORER EWING
2. LATITUDE 36 °56.50' N "	5. DATE TAKEN (DAY, MO., YR.) 30 JULY 62	8. CORE LENGTH (cm) 521.0
3. LONGITUDE 76 °01.40' W "	6. WATER DEPTH (m) 16.5	9. CORER PENETRATION (cm) –

167-109
0-5cm
5Y52

10. LABORATORY NUMBER	167-32	167-33	167-34	167-35	167-36	167-37	167-68	167-69	167-70	167-71	167-72	167-73	167-74
11. SUBSAMPLE DEPTH IN CORE (cm)	0-10	32-42	72-82	98.5-105.5	119-129	145-155.5	170-176	201-207	212-216	226-232	242-248	256-262	262-270
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	L	L	L	L	L	L	5Y3/1 & L N1	5Y4/1 & L N3	5Y4/1 & L N3	5Y4/1 & L N3	5Y4/1 & L N3	5Y4/1 & L N3	5GY4/1 L
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)	0.24			0.25			0.03			0.30		0.04	0.03
b. 4 to 2 mm (%)	0.22		0.14	0.41	0.20	0.38	0.04	0.04	0.16	0.21	0.10	0.09	0.07
c. 2 to 1 mm (%)	0.45	0.13	0.17	1.87	0.48	0.63	0.17	0.20	0.87	1.00	0.48	0.57	0.81
d. 1 to .500 mm (%)	1.29	1.14	1.73	6.74	4.10	6.29	4.77	4.94	12.08	12.82	5.85	7.59	8.75
e. .500 to .250 mm (%)	19.38	13.38	25.88	51.12	42.43	43.56	51.55	27.73	47.03	44.30	38.21	39.46	39.59
f. .250 to .125 mm (%)	31.89	15.72	27.96	22.33	26.38	23.27	27.47	17.85	16.76	17.86	25.43	17.82	16.09
g. .125 to .062 mm (%)	32.54	41.13	26.24	7.26	8.96	12.84	8.11	13.33	11.00	8.98	13.40	10.63	8.24
h. .062 to .031 mm (%)	7.56	13.57	8.23	3.61	7.89	5.51	2.86	11.81	4.12	5.66	5.65	8.61	11.07
i. .031 to .016 mm (%)													
j. .016 to .008 mm (%)	2.10	5.58	3.49	2.33	3.76	2.58	1.47	8.30	2.61	3.12	3.28	5.10	4.84
k. .008 to .004 mm (%)													
l. .004 to .002 mm (%)	4.34	9.36	6.21	4.11	5.83	4.97	3.53	15.81	5.38	5.75	7.61	10.10	10.51
m. .002 to .001 mm (%)													
n. < .001 mm (%)													
o. Median Diameter (mm)	.1340	.0902	.1446	.2813	.2349	.2535	.2679	.1303	.2852	.2832	.2192	.2300	.2449
p. Sorting Coefficient	1.65	1.83	1.83	1.52	1.70	1.71	1.45	4.04	1.72	1.73	1.82	2.24	2.59
q. Skewness	1.05	0.87	0.98	0.79	0.66	0.65	0.79	0.30	0.67	0.68	0.68	0.45	0.31
r. Standard Deviation (mm)													
s. Sediment Type	SAND	SILTY SAND	SILTY SAND	SAND	SAND	SAND	SAND	SILTY SAND	SAND	SAND	SAND	SILTY SAND	SILTY SAND
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	4	4	3	7	3	4	2	4	9	5	–	4	4
w. Organic Carbon (%)													

15. REMARKS

MGG09005008

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY _____

DATE _____

NAVOCEANO-EXP-3167/18-A (Rev. 1-63)

1. CRUISE NO.		4. SAMPLE NO. VII continued	7. TYPE CORER
2. LATITUDE ° ' "		5. DATE TAKEN (DAY, MO., YR.)	8. CORE LENGTH (cm)
3. LONGITUDE ° ' "		6. WATER DEPTH (m)	9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	167-75	167-76	167-77	167-78	167-79	167-80	167-81	167-82	167-83				
11. SUBSAMPLE DEPTH IN CORE (cm)	290-297	324-330	360-366	398-404	438-444	454-460	489-495	515-521	[illegible]				
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5GY4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	[illegible]				
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)		0.14	0.09										
b. 4 to 2 mm (%)	0.06	1.20		0.08	0.05	0.12		0.02					
c. 2 to 1 mm (%)	0.14	1.94	0.06	0.22	0.57	0.95	0.05	0.02					
d. 1 to .500 mm (%)	0.25	0.60	0.11	0.16	0.46	0.84	0.10	0.10					
e. .500 to .250 mm (%)	1.01	0.19	0.11	0.16	0.28	0.46	0.10	0.08					
f. .250 to .125 mm (%)	1.32	0.67	0.77	0.62	1.98	3.58	1.00	0.80					
g. .125 to .062 mm (%)	33.40	42.97	29.20	26.65	36.08	39.14	23.52	29.37					
h. .062 to .031 mm (%)	38.94	34.17	45.74	47.76	37.24	29.03	43.24	45.07					
i. .031 to .016 mm (%)													
j. .016 to .008 mm (%)	8.72	6.12	7.65	7.85	7.22	7.67	9.47	7.63					
k. .008 to .004 mm (%)													
l. .004 to .002 mm (%)	16.17	12.01	16.28	16.51	16.11	17.42	22.54	16.90					
m. .002 to .001 mm (%)													
n. < .001 mm (%)													
o. Median Diameter (mm)	.0387	.0575	.0349	.0330	.0433	.0508	.0276	.0349					
p. Sorting Coefficient	2.15	1.92	2.03	2.02	2.10	2.29	3.30	2.05					
q. Skewness	0.75	0.54	0.88	0.94	0.68	0.50	0.46	0.86					
r. Standard Deviation (mm)													
s. Sediment Type	SANDY SILT	SILTY SAND	SANDY SILT	SANDY SILT	SANDY SILT	SILTY SAND	SILTY MUD	SANDY SILT					
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	7	5	4	5	5	7	4	4					
w. Organic Carbon (%)													

15. REMARKS

45

CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

IG09005008

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY _____ DATE Dec. 1962

1. CRUISE NO. 0-197
2. LATITUDE 36° 56.5' " N
3. LONGITUDE 76° 01.4' " W
4. SAMPLE NO. VII
5. DATE TAKEN (DAY, MO., YR.) 30 July 1962
6. WATER DEPTH (m) 16.5
7. TYPE CORER Ewing
8. CORE LENGTH (cm) 527.0
9. CORER PENETRATION (cm) 609

10. LABORATORY NUMBER	167-109	167-32	167-33	167-34	167-35	167-36	167-37	167-68	167-69	167-70	167-71	167-72	167-73
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	5-15	37-47	77-87	103.5-110.5	124-134	150-160.5	175-181	206-212	217-221	231-237	247-253	261-267
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5Y5/2 L	5Y5/2 L	5Y5/2 L	5Y5/2 L	5Y5/2 L	5Y5/2 L	5Y5/2 L	5Y3/1 & N1 L	5Y4/1 & N3 L	5Y4/1 & N3 L	5Y4/1 & N3 L	5Y4/1 & N3 L	5Y4/1 & N3 L
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (%)	0.09	0.24			0.25			0.03			0.30		0.04
b. 4 to 2 mm (%)	0.07	0.22		0.14	0.41	0.20	0.38	0.04	0.04	0.16	0.21	0.10	0.09
c. 2 to 1 mm (%)	0.05	0.45	0.13	0.17	1.87	0.48	0.63	0.17	0.20	0.87	1.00	0.48	0.57
d. 1 to .500 mm (%)	0.21	1.29	1.14	1.73	6.74	4.10	6.29	4.77	4.94	12.08	12.82	5.85	7.59
e. .500 to .250 mm (%)	4.68	19.38	13.38	25.88	51.12	42.43	43.56	51.55	27.73	47.03	44.30	38.21	39.46
f. .250 to .125 mm (%)	21.23	31.89	15.72	27.96	22.33	26.38	23.27	27.47	17.85	16.76	17.86	25.43	17.82
g. .125 to .062 mm (%)	59.60	32.54	41.13	26.24	7.26	8.96	12.84	8.11	13.33	11.00	8.98	13.40	10.63
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	6.03	7.56	13.57	8.23	3.61	7.89	5.51	2.86	11.81	4.12	5.66	5.65	8.61
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	2.68	2.10	5.58	3.49	2.33	3.76	2.58	1.47	8.30	2.61	3.12	3.28	5.10
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	5.35	4.34	9.36	6.21	4.11	5.83	4.97	3.53	15.81	5.38	5.75	7.61	10.10
n. < .001 mm (%)													
o. Median Diameter (mm)	0.0967	0.1340	0.0902	0.1446	0.2813	0.2349	0.2535	0.2679	0.1303	0.2852	0.2832	0.2192	0.2300
p. Sorting Coefficient	1.32	1.65	1.83	1.83	1.52	1.70	1.71	1.45	4.04	1.72	1.73	1.82	2.24
q. Skewness	1.00	1.05	0.87	0.98	0.79	0.66	0.65	0.79	0.30	0.67	0.68	0.68	0.45
r. Standard Deviation (mm)													
s. Sediment Type	Sand	Sand	Silty Sand	Silty Sand	Sand	Sand	Sand	Sand	Silty Sand	Sand	Sand	Sand	Silty Sand
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	3	4	4	3	7	3	4	2	4	9	5	—	4
w. Organic Carbon (%)													

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

MG09005508

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY _____ DATE _____

1. CRUISE NO.		4. SAMPLE NO. VII continued	7. TYPE CORER
2. LATITUDE ° ' "		5. DATE TAKEN (DAY, MO., YR.)	8. CORE LENGTH (cm)
3. LONGITUDE ° ' "		6. WATER DEPTH (m)	9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	167-74	167-75	167-76	167-77	167-78	167-79	167-80	167-81	167-82	167-110			
11. SUBSAMPLE DEPTH IN CORE (cm)	267-275	295-302	329-335	365-371	403-409	443-449	459-465	494-500	520-526	CORE Catcher			
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5GY4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	5GY4/1 L	5Y3/2 L			
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (%)	0.03		0.14	0.09									
b. 4 to 2 mm (%)	0.07	0.06	1.20		0.08	0.05	0.12		0.02	0.03			
c. 2 to 1 mm (%)	0.81	0.14	1.94	0.06	0.22	0.57	0.95	0.05	0.02	0.24			
d. 1 to .500 mm (%)	8.75	0.25	0.60	0.11	0.16	0.46	0.84	0.10	0.10	0.21			
e. .500 to .250 mm (%)	39.59	1.01	0.19	0.11	0.16	0.28	0.46	0.10	0.08	0.15			
f. .250 to .125 mm (%)	16.09	1.32	0.67	0.77	0.62	1.98	3.58	1.00	0.80	0.75			
g. .125 to .062 mm (%)	8.24	33.40	42.97	29.20	26.65	36.08	39.14	23.52	29.37	33.85			
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	11.07	38.94	34.17	45.74	47.76	37.24	29.03	43.24	45.07	38.23			
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	4.84	8.72	6.12	7.65	7.85	7.22	7.67	9.47	7.63	7.24			
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	10.51	16.17	12.01	16.28	16.51	16.11	17.42	22.54	16.90	19.30			
n. < .001 mm (%)													
o. Median Diameter (mm)	0.2449	0.0387	0.0575	0.0349	0.0330	0.0433	0.0508	0.0276	0.0349	0.0372			
p. Sorting Coefficient	2.59	2.15	1.92	2.03	2.02	2.10	2.29	3.30	2.05	2.46			
q. Skewness	0.31	0.75	0.54	0.88	0.94	0.68	0.50	0.46	0.86	0.59			
r. Standard Deviation (mm)													
s. Sediment Type	Silty Sand	Sandy Silt	Silty Sand	Sandy Silt	Sandy Silt	Sandy Silt	Silty Sand	Silty Mud	Sandy Silt	Silty Mud			
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	4	7	5	4	5	5	7	4	4	5			
w. Organic Carbon (%)													

15. REMARKS

0909005008

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY _____

DATE Dec., 1962

NAVOCEANO-EXP-3167/18-A (Rev. 1-63)

1. CRUISE NO. 0-197
2. LATITUDE 36° 57.1' N "
3. LONGITUDE 76° 01.3' W "
4. SAMPLE NO. IX-(1) (2) (3) + (4)
5. DATE TAKEN (DAY, MO., YR.) 22 August 1962
6. WATER DEPTH (m) 18.5
7. TYPE CORER Ewing
8. CORE LENGTH (cm)
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	167-42	167-43	167-44		167-45	167-46	167-47		167-48	167-49		167-83
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	102-104	198-203		0-5	121-123	131-133		187-189	324-328		285-288
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5GY6/1 L	5Y5/2 L	5Y3/2 L		5Y5/2 L	5Y5/2 L	5Y3/2 L		5Y5/2 L	5Y5/2 L		5Y4/1 L
13. ODOR												
14. SIZE & COMPOSITION ANALYSIS												
a. > 4 (mm) (%)	–				0.91				1.46			–
b. 4 to 2 mm (%)	0.29	–			1.13	–	–		0.13			0.03
c. 2 to 1 mm (%)	0.45	0.03	–		1.30	0.02	0.03		0.25	–		0.03
d. 1 to .500 mm (%)	1.65	0.16	0.03		3.51	0.05	0.03		0.76	0.03		0.06
e. .500 to .250 mm (%)	6.35	0.54	0.10		10.00	0.17	0.12		1.27	0.12		0.15
f. .250 to .125 mm (%)	18.11	1.25	1.04		23.77	1.74	1.51		2.79	1.85		3.56
g. .125 to .062 mm (%)	11.60	4.71	3.25		12.35	7.09	4.44		1.27	7.06		12.83
h. .062 to .031 mm (%)												
i. .031 to .016 mm (%)	37.25	38.54	41.24		28.33	39.83	38.00		42.22	38.90		33.79
j. .016 to .008 mm (%)												
k. .008 to .004 mm (%)	12.15	23.43	18.44		8.36	17.55	18.19		21.59	17.50		14.29
l. .004 to .002 mm (%)												
m. .002 to .001 mm (%)	12.15	8.72	9.89		10.34	10.05	10.65		7.30	10.41		7.60
n. < .001 mm (%)		22.61	25.99			23.48	27.06		20.95	24.15		27.66
o. Median Diameter (mm)	0.0415	0.0118	0.0114		0.0748	0.0146	0.0102		0.0162	0.0135		0.0160
p. Sorting Coefficient	2.87	4.25	5.33		2.91	4.91	5.73		3.56	5.29		6.73
q. Skewness	1.24	0.29	0.18		0.78	0.19	0.20		0.30	0.19		0.14
r. Standard Deviation (mm)												
s. Sediment Type	Sandy Silt	Clayey Silt	Clayey Silt		Silty Sand	Clayey Silt	Clayey Silt		Clayey Silt	Clayey Silt		Clayey Silt
t. Dominant Minerals (%)	←	(1)	→		←	(2)	→		←	(3)	→	(4)
u. Secondary Minerals (%)												
v. Calcium Carbonate (%)	6	6	6		9	6	5		13	4		6
w. Organic Carbon (%)												

15. REMARKS Four cores taken at same location and subsampled in the field.
→ Core (1) = 203 cm. (2) = 213 cm, (3) = 328 cm, (4) = 290 cm.

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

MC309005008

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY _____ DATE Dec. 1962

1. CRUISE NO. 0-197
2. LATITUDE 36° 59.5' " N
3. LONGITUDE 76° 00.8' " W
4. SAMPLE NO. X
5. DATE TAKEN (DAY, MO., YR.) 23 August 1962
6. WATER DEPTH (m) 14.8
7. TYPE CORER Ewing
8. CORE LENGTH (cm) 244
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	167-84	167-85	167-86	167-87	167-88								
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	61-66	122-127	190.5-193.0	241.5-244								
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	10YR5/2 L	5Y5/1 L	5Y4/1 L	10YR5/2 L	5Y4/1 L								
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (%)					1.34								
b. 4 to 2 mm (%)	0.01	3.26	0.86	0.96	2.12								
c. 2 to 1 mm (%)	0.35	9.08	5.10	4.07	7.13								
d. 1 to .500 mm (%)	13.52	17.22	11.23	21.02	24.09								
e. .500 to .250 mm (%)	55.24	48.91	27.83	52.78	40.28								
f. .250 to .125 mm (%)	12.57	13.63	13.41	14.14	12.13								
g. .125 to .062 mm (%)	11.59	3.38	31.47	2.24	4.31								
h. .062 to .031 mm (%)	GSN												
i. .031 to .016 mm (%)	3.33	1.82	3.95	1.97	2.88								
j. .016 to .008 mm (%)	4.5'												
k. .008 to .004 mm (%)	1.18	1.02	2.11	0.93	2.12								
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	2.24	1.70	4.03	1.87	3.61								
n. < .001 mm (%)													
o. Median Diameter (mm)	0.3121	0.3816	0.1934	0.3686	0.3896								
p. Sorting Coefficient	1.50	1.48	2.06	1.38	1.59								
q. Skewness	0.80	1.06	0.99	0.99	1.04								
r. Standard Deviation (mm)													
s. Sediment Type	SAND	SAND	SAND	SAND	SAND								
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	5	4	7	3	2								
w. Organic Carbon (%)													

15. REMARKS Subsampled in the field.

68-0829

00916

Item 167

OCEANOGRAPHIC LOG SHEET-K
NAVOCEANO-EXP-3167/18 (Rev.1-63)

GRAB SAMPLE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

09005008

ANALYZED BY _____

DATE 11 December 1962

CRUISE NO. 0-197 Ches. BAY

1. DATE TAKEN (Day, Mo., Yr.)	30 July 62	1 AUG. 62	30 JULY 62	1 AUG. 62	30 July 62	30 JULY 62	30 July 62	1 Aug. 62
2. SAMPLE NO.	OP-I	OP-II	OP-III	OP-IV	OP-V	OP-VI	OP-VII	OP-VIII
3. LABORATORY NO.	167-15	167-16	167-17	167-18	167-19	167-20	167-38	167-39
4. LATITUDE	36° 56.50'N	37°01.3'N	36°59.37'N	36°58.41'N	36°57.84'N	36°57.18'N	36° 56.5'N	37° 01.2'N
5. LONGITUDE	75° 57.93'W	76°03.7'W	76°00.62'W	76°05.82'W	75°58.93'W	76°01.26'W	76° 01.4'W	76° 03.2'W
6. WATER DEPTH (m)	20.1	11.5	12.8	10.4	8.6	17.8	16.5	16.5
7. TYPE SAMPLER	orange peel	or. peel	or. peel	or. peel	or. peel	or. peel	Orange Peel	Orange Peel
8. COLOR (GSA Rock Color Charts) [F] FIELD [L] LAB DETERMINATION	5Y 3/2 L	5Y 4/2 L	5Y 3/2 L	5Y 2/1 + 5GY 2/1 L	5Y 7/2 L	5Y 3/2 L	5G 2/1 L	5GY 4/1 L
9. ODOR								
10. SIZE & COMPOSITION ANALYSIS								
a. > 4mm mm (%)	4.10					0.32		
b. 4 to 2 mm (%)	3.43	0.15	0.03	0.05	0.13	0.92	0.02	0.44
c. 2 to 1 mm (%)	6.54	0.08	0.14	0.22	0.09	0.83	0.18	1.24
d. 1 to .500 mm (%)	15.59	0.72	0.98	0.57	2.05	1.17	0.54	6.98
e. .500 to .250 mm (%)	33.21	79.75	2.12	4.88	85.90	3.79	2.35	24.30
f. .250 to .125 mm (%)	9.87	13.94	9.47	35.15	9.59	38.57	21.64	17.10
g. .125 to .062 mm (%)	15.69	1.96	37.86	41.19	2.26	37.97	54.80	19.29
h. .062 to .031 mm (%)	6.52	3.37	37.59	11.50		9.81	11.07	14.95
i. .031 to .016 mm (%)								
j. .016 to .008 mm (%)	2.26		5.29	2.15		2.26	3.05	5.74
k. .008 to .004 mm (%)								
l. .004 to .002 mm (%)	2.76		6.51	4.29		4.34	6.33	9.94
m. .002 to .001 mm (%)								
n. < .001 mm (%)								
o. Median Diameter (mm)	.3276	.3015	.0629	.1096	.3253	.1166	.0915	.1250
p. Sorting Coefficient	2.27	1.16	1.82	1.47	1.16	1.48	1.37	2.77
q. Skewness	0.66	1.00	0.69	0.95	1.00	0.93	0.99	0.75
r. Standard Deviation (mm)								
s. Sediment Type	SAND	SAND	SILTY SAND	SAND	SAND	SAND	SAND	Silty Sand
t. Dominant Minerals (%)								
u. Secondary Minerals (%)								
v. Calcium Carbonate (%)	3	1	5	3	0.5	4	4	5
w. Organic Carbon (%)								

11. REMARKS

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

MGG09005008

167

NAVOCEANO-EXP-3167/18-8 (10-62)

116-65

ANALYZED BY STiles DATE Dec 62

1. CRUISE NO. 0-197 (32619)
2. LATITUDE 36 °56.50' N "
3. LONGITUDE 75 °57.93' W "
4. SAMPLE NO. I
5. DATE TAKEN (Day, month, year) 30 July 62
6. WATER DEPTH (m) 20.1
7. TYPE CORER EWING
8. CORE LENGTH (cm) 531.0
9. CORER PENETRATION (cm)

10. SUBSAMPLE DEPTH IN CORE (cm)	0-10.	10.-19.	19.-20.5	20.5-27.5	27.5-108.	108.-115.	115.-118.	118.-125.	125.-159.	159.-163.	163.-205.	205-212.
11. WET UNIT WEIGHT (g/cm³)	-		-	1.55	-		-	1.99	-		-	1.88
12. SPECIFIC GRAVITY OF SOLIDS				2.83				2.65				
13. WATER CONTENT (% dry weight)		73.8		83.6		25.9		22.2		20.8		18.2
14. VOID RATIO				2.35				0.62				
15. SATURATED VOID RATIO				2.36				0.59				
16. POROSITY (%)				70.1				38.3				
17. LIQUID LIMIT												
18. PLASTIC LIMIT												
19. PLASTICITY INDEX												
20. LIQUIDITY INDEX												
21. COMPRESSION INDEX FROM LL												
22. COMPRESSIVE STRENGTH NATURAL (g/cm²)												
REMOLD (g/cm²)												
23. COHESION NATURAL (g/cm²)												
REMOLD (g/cm²)												
24. SENSITIVITY												
25. ANGLE OF INTERNAL FRICTION (°)												
26. ACTIVITY												
27. MODULUS OF ELASTICITY												
28. SLUMP (%)												

29. REMARKS

L1 167

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

MGG09005008

NAVOCEANO-EXP-3167/18-8 (10-62)

ANALYZED BY _____ DATE _____

1. CRUISE NO.	4. SAMPLE NO. I	7. TYPE CORER	
2. LATITUDE ° ' "	5. DATE TAKEN (Day, month, year)	8. CORE LENGTH (cm)	
3. LONGITUDE ° ' "	6. WATER DEPTH (m)	9. CORER PENETRATION (cm)	

10. SUBSAMPLE DEPTH IN CORE (cm)	212.-309	309.-316.	316.-342.	342.-352.	352.-372.	372.-377.	377.-475.	475.-489.	489-531.	-		
11. WET UNIT WEIGHT (g/cm³)	-	1.84	-		-		-		-	-		
12. SPECIFIC GRAVITY OF SOLIDS		2.64								-		
13. WATER CONTENT (% dry weight)		14.2		19.4		31.6		12.4		-		
14. VOID RATIO		0.64								-		
15. SATURATED VOID RATIO		0.37								-		
16. POROSITY (%)		-								-		
17. LIQUID LIMIT										-		
18. PLASTIC LIMIT										-		
19. PLASTICITY INDEX										-		
20. LIQUIDITY INDEX										-		
21. COMPRESSION INDEX FROM LL										-		
22. COMPRESSIVE STRENGTH NATURAL (g/cm²)										-		
REMOLD (g/cm²)										-		
23. COHESION NATURAL (g/cm²)										-		
REMOLD (g/cm²)										-		
24. SENSITIVITY										-		
25. ANGLE OF INTERNAL FRICTION (°)										-		
26. ACTIVITY										-		
27. MODULUS OF ELASTICITY										-		
28. SLUMP (%)										-		

29. REMARKS 309-316 cm Percent saturation only 58% ?

MGGB09005008

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

MGG09005008

167

NAVOCEANO-EXP-3167/18-B (10-62)

116-76

ANALYZED BY STILES DATE Dec. 62

1. CRUISE NO. 0-197 (32619)
2. LATITUDE 37° 01.3' N "
3. LONGITUDE 76° 03.7' W "
4. SAMPLE NO. II
5. DATE TAKEN (Day, month, year) 1 AUG. 62
6. WATER DEPTH (m) 11.5
7. TYPE CORER EWING
8. CORE LENGTH (cm) 100.5
9. CORER PENETRATION (cm) —

10. SUBSAMPLE DEPTH IN CORE (cm)	0-23	23-29	29-64	64-71	71-80.5	80.5-100.5						
11. WET UNIT WEIGHT (g/cm³)	-	-	-	1.89	-	-						
12. SPECIFIC GRAVITY OF SOLIDS				2.66								
13. WATER CONTENT (% dry weight)				28.9								
14. VOID RATIO				0.81								
15. SATURATED VOID RATIO				0.77								
16. POROSITY (%)				44.8								
17. LIQUID LIMIT												
18. PLASTIC LIMIT												
19. PLASTICITY INDEX												
20. LIQUIDITY INDEX												
21. COMPRESSION INDEX FROM LL												
22. COMPRESSIVE STRENGTH NATURAL (g/cm²)												
REMOLD (g/cm²)												
23. COHESION NATURAL (g/cm²)												
REMOLD (g/cm²)												
24. SENSITIVITY												
25. ANGLE OF INTERNAL FRICTION (°)												
26. ACTIVITY												
27. MODULUS OF ELASTICITY												
28. SLUMP (%)												

29. REMARKS 10. 29-64cm Air Void ?

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

MGG09005008

167

NAVOCEANO-EXP-3167/18-6 (10-62)

116-66

ANALYZED BY STILES DATE Dec. 62

1. CRUISE NO. 0-197 (32619)
2. LATITUDE 36°58.91' N "
3. LONGITUDE 76°05.82' W "
4. SAMPLE NO. IV-(2)
5. DATE TAKEN (Day, month, year) 1 AUG. 62
6. WATER DEPTH (m) 10.4
7. TYPE CORER EWING
8. CORE LENGTH (cm) 116.0 + 5 cm
9. CORER PENETRATION (cm) —

10. SUBSAMPLE DEPTH IN CORE (cm)	5-55	55-68.	68-75	75-82	82-92	92-116	Add 5 cm to subsample depths.					
11. WET UNIT WEIGHT (g/cm³)	-		-	1.99	-							
12. SPECIFIC GRAVITY OF SOLIDS		2.69		2.67								
13. WATER CONTENT (% dry weight)		21.6		26.4								
14. VOID RATIO				0.69								
15. SATURATED VOID RATIO				0.70								
16. POROSITY (%)				40.8								
17. LIQUID LIMIT												
18. PLASTIC LIMIT												
19. PLASTICITY INDEX												
20. LIQUIDITY INDEX												
21. COMPRESSION INDEX FROM LL												
22. COMPRESSIVE STRENGTH NATURAL (g/cm²)												
REMOLD (g/cm²)												
23. COHESION NATURAL (g/cm²)												
REMOLD (g/cm²)												
24. SENSITIVITY												
25. ANGLE OF INTERNAL FRICTION (°)												
26. ACTIVITY												
27. MODULUS OF ELASTICITY												
28. SLUMP (%)												

29. REMARKS

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

MGG09005008

167

NAVOCEANO-EXP-3167/18-B (10-62)

ANALYZED BY STiLes + Noble DATE Dec. 62

1. CRUISE NO. 0-197 (32619)
2. LATITUDE 36 °57.18' N
3. LONGITUDE 76 ° 01.26' W
4. SAMPLE NO. VI-(2)
5. DATE TAKEN (Day, month, year) 30 JULY 62
6. WATER DEPTH (m) 17.8
7. TYPE CORER EWING
8. CORE LENGTH (cm) 541
9. CORER PENETRATION (cm) 640

10. SUBSAMPLE DEPTH IN CORE (cm)	0-34	34-38	38-48	48-55	55-74	74-78	78-115	115-122	122-140	140-144	144-178	178-185
11. WET UNIT WEIGHT (g/cm³)	–		–	1.65	–		–	1.62	–		–	1.67
12. SPECIFIC GRAVITY OF SOLIDS				2.78								
13. WATER CONTENT (% dry weight)		56.1		59.8		58.5		63.0		59.0		55.4
14. VOID RATIO				1.69								
15. SATURATED VOID RATIO				1.66								
16. POROSITY (%)				62.8								
17. LIQUID LIMIT												
18. PLASTIC LIMIT												
19. PLASTICITY INDEX												
20. LIQUIDITY INDEX												
21. COMPRESSION INDEX FROM LL												
22. COMPRESSIVE STRENGTH NATURAL (g/cm²)												
REMOLD (g/cm²)												
23. COHESION NATURAL (g/cm²)												
REMOLD (g/cm²)												
24. SENSITIVITY												
25. ANGLE OF INTERNAL FRICTION (°)												
26. ACTIVITY												
27. MODULUS OF ELASTICITY												
28. SLUMP (%)												

29. REMARKS

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

MGG09005008

NAVOCEANO-EXP-3167/18-8 (10-62)

ANALYZED BY _____ DATE _____

1. CRUISE NO.	4. SAMPLE NO. VI-(2) Continued	7. TYPE CORER
2. LATITUDE ° ' "	5. DATE TAKEN (Day, month, year)	8. CORE LENGTH (cm)
3. LONGITUDE ° ' "	6. WATER DEPTH (m)	9. CORER PENETRATION (cm)

10. SUBSAMPLE DEPTH IN CORE (cm)	185-195	195-201	201-223	223-228	228-253	253-260	260-301	301-311	311-323	329-330	330-363	363-369
11. WET UNIT WEIGHT (g/cm^3)	-		-		-	1.66	-		-	1.66	-	
12. SPECIFIC GRAVITY OF SOLIDS												
13. WATER CONTENT (% dry weight)		54.3		54.3		55.6		54.3		53.8		51.4
14. VOID RATIO												
15. SATURATED VOID RATIO												
16. POROSITY (%)												
17. LIQUID LIMIT												
18. PLASTIC LIMIT												
19. PLASTICITY INDEX												
20. LIQUIDITY INDEX												
21. COMPRESSION INDEX FROM LL												
22. COMPRESSIVE STRENGTH NATURAL (g/cm^2)												
REMOLD (g/cm^2)												
23. COHESION NATURAL (g/cm^2)												
REMOLD (g/cm^2)												
24. SENSITIVITY												
25. ANGLE OF INTERNAL FRICTION (°)												
26. ACTIVITY												
27. MODULUS OF ELASTICITY												
28. SLUMP (%)												

29. REMARKS

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

MCG09005008

NAVOCEANO-EXP-3167/18-8 (10-62)

ANALYZED BY _____ DATE _____

1. CRUISE NO.	4. SAMPLE NO. VI-(2) continued	7. TYPE CORER
2. LATITUDE ° ' "	5. DATE TAKEN (Day, month, year)	8. CORE LENGTH (cm)
3. LONGITUDE ° ' "	6. WATER DEPTH (m)	9. CORER PENETRATION (cm)

10. SUBSAMPLE DEPTH IN CORE (cm)	369-389	389-396	396-467	467-471	471-484	484-491	491-541					
11. WET UNIT WEIGHT (g/cm³)	-	1.72	-		-	1.64	-					
12. SPECIFIC GRAVITY OF SOLIDS						2.73	-					
13. WATER CONTENT (% dry weight)		47.5		66.4		59.5	-					
14. VOID RATIO						1.66	-					
15. SATURATED VOID RATIO						1.62	-					
16. POROSITY (%)						62.4	-					
17. LIQUID LIMIT							-					
18. PLASTIC LIMIT							-					
19. PLASTICITY INDEX							-					
20. LIQUIDITY INDEX							-					
21. COMPRESSION INDEX FROM LL							-					
22. COMPRESSIVE STRENGTH NATURAL (g/cm²)							-					
REMOLD (g/cm²)							-					
23. COHESION NATURAL (g/cm²)							-					
REMOLD (g/cm²)							-					
24. SENSITIVITY							-					
25. ANGLE OF INTERNAL FRICTION (°)							-					
26. ACTIVITY							-					
27. MODULUS OF ELASTICITY							-					
28. SLUMP (%)							-					

29. REMARKS

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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167

NAVOCEANO-EXP-3167/18-B (10-62)

116-66

ANALYZED BY Stiles + Noble DATE Dec. 62

1. CRUISE NO. 0-197 (32619)	4. SAMPLE NO. VII	7. TYPE CORER Ewing
2. LATITUDE 36 ° 56.50' N "	5. DATE TAKEN (Day, month, year) 30 July 62	8. CORE LENGTH (cm) 527.0
3. LONGITUDE 76 ° 01.40' W "	6. WATER DEPTH (m) 16.5	9. CORER PENETRATION (cm) -

10. SUBSAMPLE DEPTH IN CORE (cm)	5-19	19-27	27-103.5	103.5-110.5	110.5-181	181-188	188-279	279-285	285-295	295-302	302-341	341-346
11. WET UNIT WEIGHT (g/cm³)	-		-	1.97	-	1.80	-		-	1.84	-	
12. SPECIFIC GRAVITY OF SOLIDS		2.67		2.67						2.71		
13. WATER CONTENT (% dry weight)		26.4		28.4		38.4		43.4		36.9		48.2
14. VOID RATIO				0.73						1.01		
15. SATURATED VOID RATIO				0.76						1.00		
16. POROSITY (%)				42.2						50.2		
17. LIQUID LIMIT												
18. PLASTIC LIMIT												
19. PLASTICITY INDEX												
20. LIQUIDITY INDEX												
21. COMPRESSION INDEX FROM LL												
22. COMPRESSIVE STRENGTH NATURAL (g/cm²)												
REMOLD (g/cm²)												
23. COHESION NATURAL (g/cm²)												
REMOLD (g/cm²)												
24. SENSITIVITY												
25. ANGLE OF INTERNAL FRICTION (°)												
26. ACTIVITY												
27. MODULUS OF ELASTICITY												
28. SLUMP (%)												
29. REMARKS												

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

NAVOCEANO-EXP-3167/18-B (10-62)

ANALYZED BY STiLes + Noble DATE

1. CRUISE NO.	4. SAMPLE NO. VII cont		7. TYPE CORER
2. LATITUDE ° ' "	5. DATE TAKEN (Day, month, year)		8. CORE LENGTH (cm)
3. LONGITUDE ° ' "	6. WATER DEPTH (m)		9. CORER PENETRATION (cm)

10. SUBSAMPLE DEPTH IN CORE (cm)	346-373	373-378	378-392	392-399	399-480	480-487	487-526					
11. WET UNIT WEIGHT (g/cm³)	-		-	1.77	-	1.70						
12. SPECIFIC GRAVITY OF SOLIDS												
13. WATER CONTENT (% dry weight)		41.4		43.9		49.8						
14. VOID RATIO												
15. SATURATED VOID RATIO												
16. POROSITY (%)												
17. LIQUID LIMIT												
18. PLASTIC LIMIT												
19. PLASTICITY INDEX												
20. LIQUIDITY INDEX												
21. COMPRESSION INDEX FROM LL												
22. COMPRESSIVE STRENGTH NATURAL (g/cm²)												
REMOLD (g/cm²)												
23. COHESION NATURAL (g/cm²)												
REMOLD (g/cm²)												
24. SENSITIVITY												
25. ANGLE OF INTERNAL FRICTION (°)												
26. ACTIVITY												
27. MODULUS OF ELASTICITY												
28. SLUMP (%)												
29. REMARKS												

MGG 09005008 39

CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

NAVOCEANO-EXP-3167/18-A (10-62)

5

ANALYZED BY STEWART + Roskton DATE 8 Jan. 1963

1. CRUISE NO. D-6	4. SAMPLE NO. C-1	7. TYPE CORER Kullenberg
2. LATITUDE 17° 45.7' " N	5. DATE TAKEN (DAY, MO., YR.) 2 November 1962	8. CORE LENGTH (cm) 28.0
3. LONGITUDE 64° 57.4' " W	6. WATER DEPTH (m) 1072.0	9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-01	177-02
11. SUBSAMPLE DEPTH IN CORE (cm)	0-6	22-28
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5YR 6/1 L N3	5YR 6/1 L N7
13. ODOR		
14. SIZE & COMPOSITION ANALYSIS		
a. > 4 mm (%)	Trace	–
b. 4 to 2 mm (%)	1	Trace
c. 2 to 1 mm (%)	2	Trace
d. 1 to .500 mm (%)	8	2
e. .500 to .250 mm (%)	13	8
f. .250 to .125 mm (%)	9	6
g. .125 to .062 mm (%)	12	6
h. .062 to .031 mm (%)	}	}
i. .031 to .016 mm (%)	28	30
j. .016 to .008 mm (%)	}	}
k. .008 to .004 mm (%)	11	15
l. .004 to .002 mm (%)	}	}
m. .002 to .001 mm (%)	7	10
n. < .001 mm (%)	10	23
o. Median Diameter (mm)	0.047	0.018
p. Sorting Coefficient	4.47	6.31
q. Skewness	1.16	0.25
r. Standard Deviation (mm)		
s. Sediment Type	Silty Sand	Silty Mud
t. Dominant Minerals (%) CO_3	98.5	98.5
u. Secondary Minerals (%)	Qtz. 1.2	MICA 0.9
v. Calcium Carbonate (%)	85.	84.
w. Organic Carbon (%)	0.48	

15. REMARKS

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CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY STEWART + RUSHTON DATE 11 Jan. 1963

1. CRUISE NO. D-6
2. LATITUDE 17° 45.3' " N
3. LONGITUDE 64° 54.8' " W
4. SAMPLE NO. C-3
5. DATE TAKEN (DAY, MO., YR.) 2 November 1962
6. WATER DEPTH (m) 1121.5
7. TYPE CORER Kullenberg
8. CORE LENGTH (cm) 131.0
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-16	177-17	177-18	177-19	177-20	177-21	177-22						
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	3-10	35-40	40-45	60-65	100-105	121-131						
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	N2 L	5GY6/1 L	5GY6/1 L	5GY6/1 L	5Y6/1 L	5Y6/1 L	5G6/1 L						
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (%)	—	—	—	—	—	—	—						
b. 4 to 2 mm (%)	—	—	—	—	—	Trace	—						
c. 2 to 1 mm (%)	—	—	—	Trace	—	Trace	Trace						
d. 1 to .500 mm (%)	Trace	Trace	Trace	Trace	Trace	2	1						
e. .500 to .250 mm (%)	1	1	1	2	1	4	5						
f. .250 to .125 mm (%)	4	4	3	4	4	5	7						
g. .125 to .062 mm (%)	12	12	9	11	11	8	10						
h. .062 to .031 mm (%)	}	}	}	}	}	}	}						
i. .031 to .016 mm (%)	38	38	35	36	40	37	32						
j. .016 to .008 mm (%)	}	}	}	}	}	}	}						
k. .008 to .004 mm (%)	15	17	16	15	14	15	15						
l. .004 to .002 mm (%)	}	}	}	}	}	}	}						
m. .002 to .001 mm (%)	13	13	12	13	11	10	10						
n. < .001 mm (%)	17	15	24	20	19	19	19						
o. Median Diameter (mm)	0.019	0.019	0.013	0.017	0.019	0.020	0.020						
p. Sorting Coefficient	4.23	3.86	5.63	4.83	4.37	4.46	5.08						
q. Skewness	0.32	0.38	0.22	0.26	0.27	0.29	0.35						
r. Standard Deviation (mm)													
s. Sediment Type	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Silty Mud						
t. Dominant Minerals (%) CO_3	96.3	97.7	—	—	98.3	—	94.0						
u. Secondary Minerals (%)	Qtz. 0.7	Qtz. 1.7	—	—	Qtz. 1.0	—	Qtz. 2.33						
v. Calcium Carbonate (%)	87.	87.	79.	81.	89.	88.	83.						
w. Organic Carbon (%)	0.80						0.30						

15. REMARKS

CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY STEWART + ROSHTON DATE 16 Jan. '63

1. CRUISE NO. D-6
2. LATITUDE 17° 42.7' " N
3. LONGITUDE 64° 54.1' " W
4. SAMPLE NO. C-6
5. DATE TAKEN (DAY, MO., YR.) 2 Nov. 1962
6. WATER DEPTH (m) 417.0
7. TYPE CORER Kullenberg
8. CORE LENGTH (cm) 116.0
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-23	177-24	177-25	177-26	177-27	177-28	177-29	177-30					
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3.5	3.5-10	22.5-29	29-35	35-42	50-55	80-86	110-116					
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5Y5/2 L	10Y6/2 L	10Y6/2 L	5Y5/2 L	5Y5/2 L	10Y6/1 L	5Y5/2 L	5Y7/2 L					
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (%)	—	—	—	—	Trace	—	Trace	—					
b. 4 to 2 mm (%)	Trace	Trace	—	1	—	—	—	—					
c. 2 to 1 mm (%)	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace					
d. 1 to .500 mm (%)	1	1	Trace	Trace	Trace	Trace	Trace	Trace					
e. .500 to .250 mm (%)	1	2	1	1	1	1	1	1					
f. .250 to .125 mm (%)	4	4	5	7	2	2	3	3					
g. .125 to .062 mm (%)	16	14	20	30	15	15	13	12					
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	40	40	36	24	31	37	39	47					
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	15	13	13	11	15	14	14	13					
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	12	12	10	10	12	11	10	9					
n. < .001 mm (%)	12	14	14	16	23	21	20	16					
o. Median Diameter (mm)	0.023	0.023	0.025	0.034	0.015	0.018	0.019	0.022					
p. Sorting Coefficient	3.40	3.72	3.90	4.84	5.69	5.16	4.76	3.29					
q. Skewness	0.48	0.40	0.42	0.25	0.23	0.23	0.25	0.37					
r. Standard Deviation (mm)													
s. Sediment Type	Silty Mud	Silty Mud	Silty Mud	Sandy Mud	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt					
t. Dominant Minerals (%) CO_3	97.7	—	—	94.0	—	—	96.7	—					
u. Secondary Minerals (%)	Qtz. 1.66	—	—	Qtz. 3.7	—	—	Qtz. 2.01	—					
v. Calcium Carbonate (%)	85.	86.	84.	74	67.	80.	80.	95.					
w. Organic Carbon (%)	1.34							1.04					

15. REMARKS

CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY STEWART + ROSHTON DATE 23 Jan 1963

1. CRUISE NO. D-6		4. SAMPLE NO. C-7	7. TYPE CORER Kullenberg
2. LATITUDE 17° 42.9' " N		5. DATE TAKEN (DAY, MO., YR.) 2 November 1962	8. CORE LENGTH (cm) 84
3. LONGITUDE 64° 55.2' " W		6. WATER DEPTH (m) 725.8	9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-53	177-54	177-55	177-56
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	13-20	30-40	77-84
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5Y7/2 L	* L	5Y5/2 L	5Y5/2 L
13. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 mm (%)	—	—	—	—
b. 4 to 2 mm (%)	—	Trace	—	—
c. 2 to 1 mm (%)	Trace	3	Trace	Trace
d. 1 to .500 mm (%)	1	15	Trace	Trace
e. .500 to .250 mm (%)	2	28	1	2
f. .250 to .125 mm (%)	6	20	6	8
g. .125 to .062 mm (%)	14	8	15	15
h. .062 to .031 mm (%)				
i. .031 to .016 mm (%)	38	12	34	34
j. .016 to .008 mm (%)				
k. .008 to .004 mm (%)	12	4	12	9
l. .004 to .002 mm (%)				
m. .002 to .001 mm (%)	10	3	3	9
n. < .001 mm (%)	17	6	28	22
o. Median Diameter (mm)	0.023	0.222	0.020	0.023
p. Sorting Coefficient	4.25	2.61	16.83	6.29
q. Skewness	0.34	0.50	0.03	0.19
r. Standard Deviation (mm)				
s. Sediment Type	Silty Mud	Silty Sand	Silty Mud	Silty Mud
t. Dominant Minerals (%) CO_3	97.0	—	—	99.0
u. Secondary Minerals (%)	Qtz. 1.3	—	—	Qtz. 0.3
v. Calcium Carbonate (%)	87.	82.	76.	89.
w. Organic Carbon (%)	1.18			1.07

15. REMARKS

*Variegated greens, blacks and white

CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY STEWART + RUSHTON DATE 18 Jan. 1963

1. CRUISE NO. D-6
2. LATITUDE 17° 44.1' " N
3. LONGITUDE 64° 54.9' " W
4. SAMPLE NO. C-8
5. DATE TAKEN (DAY, MO., YR.) 2 Nov. 1962
6. WATER DEPTH (m) 841.0
7. TYPE CORER Kullenberg
8. CORE LENGTH (cm) 78.5
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-36	177-37	177-38	177-39	177-40	177-41
11. SUBSAMPLE DEPTH IN CORE (cm)	0-4	4-10	19-26	43-48	48-53	71-78.5
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5Y5/2 L	5Y5/2 L	5Y5/2 L	5Y5/2 L	5GY6/1 L	5GY6/1 L
13. ODOR						
14. SIZE & COMPOSITION ANALYSIS						
a. > 4 mm (%)	1	Trace	7	—	—	—
b. 4 to 2 mm (%)	2	1	1	Trace	—	Trace
c. 2 to 1 mm (%)	6	3	3	Trace	Trace	1
d. 1 to .500 mm (%)	9	4	4	1	1	3
e. .500 to .250 mm (%)	6	5	4	4	4	8
f. .250 to .125 mm (%)	5	7	6	6	5	9
g. .125 to .062 mm (%)	8	9	9	10	8	8
h. .062 to .031 mm (%)						
i. .031 to .016 mm (%)	29	32	24	37	40	32
j. .016 to .008 mm (%)						
k. .008 to .004 mm (%)	13	13	12	12	12	9
l. .004 to .002 mm (%)						
m. .002 to .001 mm (%)	21	10	11	8	8	9
n. < .001 mm (%)		16	19	22	22	20
o. Median Diameter (mm)	0.034	0.025	0.025	0.021	0.020	0.026
p. Sorting Coefficient	5.82	5.05	7.69	5.54	5.40	6.19
q. Skewness	1.15	0.44	0.43	0.21	0.18	0.33
r. Standard Deviation (mm)						
s. Sediment Type	Silty Mud	Silty Mud	Silty Mud	Silty Mud	Clayey Silt	Silty Mud
t. Dominant Minerals (%) CO_3	95.4	—	—	98.2	—	94.7
u. Secondary Minerals (%)	Qtz. 2.0	—	—	Qtz. 1.24	—	Qtz 3.0
v. Calcium Carbonate (%)	93.	88.	75.	89.	87.	86.
w. Organic Carbon (%)	0.62					0.49

15. REMARKS

CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY STEWART + RUSHTON DATE 22 Jan. 1963

1. CRUISE NO. D-6
2. LATITUDE 17° 44.1' " N
3. LONGITUDE 64° 55.5' " W
4. SAMPLE NO. C-9
5. DATE TAKEN (DAY, MO., YR.) 2 Nov. 1963
6. WATER DEPTH (m) 951.0
7. TYPE CORER Kullenberg
8. CORE LENGTH (cm) 88.5
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-48	177-49	177-50	177-51	177-52
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	20-25	40-45	52-57	83.5-88.5
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	N3 / N4 [L]	5GY6/1 [L]	5Y8/1 [L]	5Y8/1 [L]	5B7/1 [L]
13. ODOR					
14. SIZE & COMPOSITION ANALYSIS					
a. > 4 mm (%)	—	—	—	—	—
b. 4 to 2 mm (%)	—	—	—	Trace	Trace
c. 2 to 1 mm (%)	Trace	Trace	Trace	Trace	Trace
d. 1 to .500 mm (%)	1	1	Trace	Trace	Trace
e. .500 to .250 mm (%)	2	1	1	1	3
f. .250 to .125 mm (%)	5	4	4	4	4
g. .125 to .062 mm (%)	12	12	11	11	6
h. .062 to .031 mm (%)	}	}	}	}	}
i. .031 to .016 mm (%)	43	39	41	44	38
j. .016 to .008 mm (%)	}	}	}	}	}
k. .008 to .004 mm (%)	11	11	10	10	12
l. .004 to .002 mm (%)	}	}	}	}	}
m. .002 to .001 mm (%)	10	9	8	8	8
n. < .001 mm (%)	17	22	24	21	29
o. Median Diameter (mm)	0.022	0.020	0.020	0.021	0.016
p. Sorting Coefficient	4.03	5.40	5.87	4.92	8.56
q. Skewness	0.29	0.19	0.14	0.18	0.07
r. Standard Deviation (mm)					
s. Sediment Type	Silty Mud	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt
t. Dominant Minerals (%) $CaCO_3$	96.7	—	—	—	95.3
u. Secondary Minerals (%)	Qtz. 1.00	—	—	—	Qtz. 4.00
v. Calcium Carbonate (%)	85.	80.	86.	92.	84.
w. Organic Carbon (%)	0.96				0.67

15. REMARKS

CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY STEWART + RUSHTON DATE 30 Jan. 1963

1. CRUISE NO. D-6		4. SAMPLE NO. C-10	7. TYPE CORER Kullenberg
2. LATITUDE 17° 44.9' " N		5. DATE TAKEN (DAY, MO., YR.) 2 Nov. 1962	8. CORE LENGTH (cm) 18.5
3. LONGITUDE 64° 57.1' " W		6. WATER DEPTH (m) 1061.0	9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-66
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5Y 7/2 & L N4
13. ODOR	
14. SIZE & COMPOSITION ANALYSIS	
a. > 4 mm (%)	—
b. 4 to 2 mm (%)	Trace
c. 2 to 1 mm (%)	Trace
d. 1 to .500 mm (%)	1
e. .500 to .250 mm (%)	4
f. .250 to .125 mm (%)	8
g. .125 to .062 mm (%)	18
h. .062 to .031 mm (%)	34
i. .031 to .016 mm (%)	
j. .016 to .008 mm (%)	9
k. .008 to .004 mm (%)	
l. .004 to .002 mm (%)	25
m. .002 to .001 mm (%)	
n. < .001 mm (%)	
o. Median Diameter (mm)	0.029
p. Sorting Coefficient	4.47
q. Skewness	0.34
r. Standard Deviation (mm)	
s. Sediment Type	Silty Mud
t. Dominant Minerals (%)	—
u. Secondary Minerals (%)	—
v. Calcium Carbonate (%)	87
w. Organic Carbon (%)	0.55

15. REMARKS

CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY STEWART + RUSHTON DATE 8 Jan. '63

1. CRUISE NO. D-6
2. LATITUDE 17° 44.7' " N
3. LONGITUDE 64° 58.8' " W
4. SAMPLE NO. C-11
5. DATE TAKEN (DAY, MO., YR.) 3 Nov. 1962
6. WATER DEPTH (m) 969.0
7. TYPE CORER Kullenberg
8. CORE LENGTH (cm) 36
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-03	177-04	177-05										
11. SUBSAMPLE DEPTH IN CORE (cm)	0-4	11-15	30-36										
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5YR 8/1 L & N6	5Y 6/1 L	N7 L										
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (%)	–	–	Trace										
b. 4 to 2 mm (%)	–	–	–										
c. 2 to 1 mm (%)	Trace	Trace	Trace										
d. 1 to .500 mm (%)	Trace	1	1										
e. .500 to .250 mm (%)	3	4	5										
f. .250 to .125 mm (%)	12	6	8										
g. .125 to .062 mm (%)	19	16	10										
h. .062 to .031 mm (%)	}	}	}										
i. .031 to .016 mm (%)	} 33	} 37	} 38										
j. .016 to .008 mm (%)	}	}	}										
k. .008 to .004 mm (%)	} 10	} 11	} 11										
l. .004 to .002 mm (%)	}	}	}										
m. .002 to .001 mm (%)	} 7	} 8	} 8										
n. < .001 mm (%)	15	18	19										
o. Median Diameter (mm)	0.034	0.035	0.023										
p. Sorting Coefficient	3.81	4.49	4.64										
q. Skewness	0.47	0.33	0.29										
r. Standard Deviation (mm)													
s. Sediment Type	Silty Mud	Silty Mud	Silty Mud										
t. Dominant Minerals (%) CO_3	98.5	–	–										
u. Secondary Minerals (%)	MICA 0.9	–	–										
v. Calcium Carbonate (%)	86.	81.	89.										
w. Organic Carbon (%)	0.52												

15. REMARKS

CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART + RUSHTON DATE 24 Jan. 1963

NAVOCEANO-EXP-3167/18-A (10-62)

1. CRUISE NO. D-6	4. SAMPLE NO. C-12	7. TYPE CORER Kullenberg
2. LATITUDE 17° 42.7' " N	5. DATE TAKEN (DAY, MO., YR.) 3 Nov. 1962	8. CORE LENGTH (cm) 66
3. LONGITUDE 64° 58.2' " W	6. WATER DEPTH (m) 960.1	9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-57	177-58	177-59
11. SUBSAMPLE DEPTH IN CORE (cm)	0-7	10-20	60-66
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	N6 L	5Y5/2 L	N7 L
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)	—	—	—
b. 4 to 2 mm (%)	—	Trace	—
c. 2 to 1 mm (%)	Trace	Trace	Trace
d. 1 to .500 mm (%)	Trace	Trace	2
e. .500 to .250 mm (%)	1	1	4
f. .250 to .125 mm (%)	10	5	4
g. .125 to .062 mm (%)	25	16	10
h. .062 to .031 mm (%)	}	}	}
i. .031 to .016 mm (%)	} 36	} 39	} 42
j. .016 to .008 mm (%)	}	}	}
k. .008 to .004 mm (%)	} 7	} 10	} 9
l. .004 to .002 mm (%)	}	}	}
m. .002 to .001 mm (%)	} 6	} 7	} 7
n. < .001 mm (%)	14	22	22
o. Median Diameter (mm)	0.039	0.023	0.022
p. Sorting Coefficient	2.74	5.23	5.59
q. Skewness	0.61	0.21	0.16
r. Standard Deviation (mm)			
s. Sediment Type	Silty Mud	Silty Mud	Silty Mud
t. Dominant Minerals (%) CO_3	97.7	—	98.0
u. Secondary Minerals (%)	Qtz. 1.7	—	—
v. Calcium Carbonate (%)	82.	78.	87.
w. Organic Carbon (%)	0.69		0.50

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART + RUSHTON

DATE 9 January 1963

NAVOCEANO-EXP-3167/18-A (Rev. 1-63)

1. CRUISE NO. D-6
2. LATITUDE 17° 43.2' " N
3. LONGITUDE 64° 56.8' " W
4. SAMPLE NO. C-13
5. DATE TAKEN (DAY, MO., YR.) 3 Nov. 1962
6. WATER DEPTH (m) 876.5
7. TYPE CORER Kullenberg
8. CORE LENGTH (cm) 69
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-10	177-11	177-12	177-13	177-14	177-15							
11. SUBSAMPLE DEPTH IN CORE (cm)	0-6	15-21	30-35	35-37	45-51	62-69							
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5GY4/1 & 5Y6/1 L	5Y6/1 L	5Y6/1 L	5Y6/1 L	5Y8/1 L	5GY6/1 L							
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)	–	–	–	–	–	–							
b. 4 to 2 mm (%)	–	Trace	Trace	–	–	Trace							
c. 2 to 1 mm (%)	Trace	Trace	Trace	Trace	Trace	Trace							
d. 1 to .500 mm (%)	1	Trace	Trace	Trace	1	Trace							
e. .500 to .250 mm (%)	2	1	2	2	4	3							
f. .250 to .125 mm (%)	6	6	5	6	6	5							
g. .125 to .062 mm (%)	20	17	14	14	14	7							
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	38	36	40	39	42	37							
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	11	12	11	12	11	14							
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	9	8	9	8	8	9							
n. < .001 mm (%)	13	19	18	18	15	25							
o. Median Diameter (mm)	0.029	0.023	0.023	0.023	0.027	0.017							
p. Sorting Coefficient	3.44	4.81	4.42	4.21	3.34	6.19							
q. Skewness	0.49	0.31	0.30	0.34	0.48	0.16							
r. Standard Deviation (mm)													
s. Sediment Type	Silty Mud	Silty Mud	Silty Mud	Silty Mud	Silty Mud	Clayey Silt							
t. Dominant Minerals (%) CO_3	98.7	–	–	97.0	–	98.7							
u. Secondary Minerals (%)	Qtz. 0.7 MICA 0.6	–	–	MICA 1.3	–	MICA 0.3							
v. Calcium Carbonate (%)	88.	82.	83.	79.	89.	83.							
w. Organic Carbon (%)	0.82					0.55							

15. REMARKS

CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY STEWART + RUSHTON DATE 18 Jan. '63

1. CRUISE NO. D-6
2. LATITUDE 17° 42.2' " N
3. LONGITUDE 64° 56.9' " W
4. SAMPLE NO. C-14
5. DATE TAKEN (DAY, MO., YR.) 3 Nov. 1962
6. WATER DEPTH (m) 869.1
7. TYPE CORER Kullenberg
8. CORE LENGTH (cm) 99.5
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-42	177-43	177-44	177-45	177-46	177-47							
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	3-8	21-30	30-35	66-71	94-99.5							
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	N3 [L]	10Y6/2 [L]	10Y6/2 [L]	10Y6/2 [L]	10Y6/2 [L]	10Y6/2 [L]							
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (%)	—	—	—	—	—	—							
b. 4 to 2 mm (%)	Trace	—	Trace	—	—	—							
c. 2 to 1 mm (%)	Trace	Trace	Trace	Trace	Trace	Trace							
d. 1 to .500 mm (%)	Trace	Trace	Trace	Trace	2	Trace							
e. .500 to .250 mm (%)	1	2	4	1	3	1							
f. .250 to .125 mm (%)	9	14	18	8	11	8							
g. .125 to .062 mm (%)	21	20	27	21	17	18							
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	38	35	29	34	36	43							
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	11	10	8	12	7	7							
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	19	18	14	23	17	8							
n. < .001 mm (%)						15							
o. Median Diameter (mm)	0.033	0.039	0.061	0.029	0.032	0.030							
p. Sorting Coefficient	2.96	2.87	2.48	3.89	4.50	3.56							
q. Skewness	0.62	0.69	0.57	0.42	0.32	0.39							
r. Standard Deviation (mm)													
s. Sediment Type	Sandy Silt	Sandy Silt	Silty Sand	Silt Mud Silty Mud	Sandy Silt	Silty Mud							
t. Dominant Minerals (%) CO_3	98.0	—	—	98.4	—	98.4							
u. Secondary Minerals (%)	Qtz. 1.0	—	—	Qtz. 1.1	—	Qtz. 1.3							
v. Calcium Carbonate (%)	91.	89.	90.	90.	91.	92.							
w. Organic Carbon (%)	1.28					0.96							

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART + RUSHTON

DATE 9 January 1963

NAVOCEANO-EXP-3167/18-A (Rev. 1-63)

1. CRUISE NO. D-6
2. LATITUDE 17° 41.5' " N
3. LONGITUDE 64° 55.8' " W
4. SAMPLE NO. C-15
5. DATE TAKEN (DAY, MO., YR.) 3 Nov. 1962
6. WATER DEPTH (m) 684.3
7. TYPE CORER Kullenberg
8. CORE LENGTH (cm) 53
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-06	177-07	177-08	177-09									
11. SUBSAMPLE DEPTH IN CORE (cm)	0-6	15-21	30-36	45-53									
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	5Y6/1 [L]	5Y7/1 [L]	5Y7/1 [L]	5Y7/1 [L]									
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)	—	—	—	—									
b. 4 to 2 mm (%)	—	—	—	Trace									
c. 2 to 1 mm (%)	Trace	Trace	Trace	Trace									
d. 1 to .500 mm (%)	Trace	Trace	Trace	Trace									
e. .500 to .250 mm (%)	6	6	2	1									
f. .250 to .125 mm (%)	22	20	14	9									
g. .125 to .062 mm (%)	18	24	29	18									
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	27	24	28	35									
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	10	8	11	14									
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	7	6	7	10									
n. < .001 mm (%)	10	11	9	13									
o. Median Diameter (mm)	0.052	0.062	0.049	0.026									
p. Sorting Coefficient	3.25	3.02	2.88	3.78									
q. Skewness	0.63	0.46	0.48	0.49									
r. Standard Deviation (mm)													
s. Sediment Type	Silty Sand	Silty Sand	Silty Sand	Silty Mud									
t. Dominant Minerals (%) CO_3	98.3	—	—	98.4									
u. Secondary Minerals (%)	ROCK FRAG. 1.3	—	—	MICA 1.1									
v. Calcium Carbonate (%)	87.	87.	93.	90.									
w. Organic Carbon (%)	1.22			1.27									

15. REMARKS

CORE ANALYSIS SUMMARY SHEET

SEDIMENT SIZE AND COMPOSITION

NAVOCEANO-EXP-3167/18-A (10-62)

ANALYZED BY STEWART + ROSHTON DATE 17 Jan. '63

1. CRUISE NO. D-6
2. LATITUDE 17° 46.4' "N
3. LONGITUDE 64° 56.9' "W
4. SAMPLE NO. C-17
5. DATE TAKEN (DAY, MO., YR.) 4 Nov. 1962
6. WATER DEPTH (m) 1408.0
7. TYPE CORER Kullenberg
8. CORE LENGTH (cm) 68.0
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-31	177-32	177-33	177-34	177-35								
11. SUBSAMPLE DEPTH IN CORE (cm)	0-6	6-12	19-25	26-36	60-68								
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	10YR8/2 L	5Y6/1 L	N7 L	N7 L	N7 L N6								
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (%)	—	—	—	—	—								
b. 4 to 2 mm (%)	Trace	—	—	—	—								
c. 2 to 1 mm (%)	Trace	Trace	Trace	Trace	Trace								
d. 1 to .500 mm (%)	Trace	1	Trace	1	Trace								
e. .500 to .250 mm (%)	2	4	3	4	4								
f. .250 to .125 mm (%)	4	5	5	5	9								
g. .125 to .062 mm (%)	11	9	10	8	13								
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	37	34	37	40	31								
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	13	14	16	12	14								
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	10	10	7	10	10								
n. < .001 mm (%)	22	22	22	21	18								
o. Median Diameter (mm)	0.018	0.018	0.019	0.020	0.022								
p. Sorting Coefficient	5.46	5.59	4.92	4.87	5.00								
q. Skewness	0.20	0.23	0.25	0.23	0.39								
r. Standard Deviation (mm)													
s. Sediment Type	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Silty Mud								
t. Dominant Minerals (%) CO_3	96.0	—	98.3	—	93.7								
u. Secondary Minerals (%)	Qtz. 1.3 Rock 1.3	—	Qtz. 0.3	—	Rock Frag. 3.7								
v. Calcium Carbonate (%)	83.	80.	87.	87.	83.								
w. Organic Carbon (%)	0.54				0.56								

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART + RUSHTON

DATE 30 January 1963

NAVOCEANO-EXP-3167/18-A (Rev. 1-63)

1. CRUISE NO. D-6		4. SAMPLE NO. C-18	7. TYPE CORER Kullenberg
2. LATITUDE 17° 46.5' " N		5. DATE TAKEN (DAY, MO., YR.) 4 Nov. 1962	8. CORE LENGTH (cm) 14.0
3. LONGITUDE 64° 58.7' " W		6. WATER DEPTH (m) 914.0	9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	177-67
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	L
13. ODOR	
14. SIZE & COMPOSITION ANALYSIS	
a. > 4 (mm) (%)	—
b. 4 to 2 mm (%)	—
c. 2 to 1 mm (%)	Trace
d. 1 to .500 mm (%)	1
e. .500 to .250 mm (%)	8
f. .250 to .125 mm (%)	12
g. .125 to .062 mm (%)	14
h. .062 to .031 mm (%)	
i. .031 to .016 mm (%)	32
j. .016 to .008 mm (%)	
k. .008 to .004 mm (%)	10
l. .004 to .002 mm (%)	
m. .002 to .001 mm (%)	23
n. < .001 mm (%)	
o. Median Diameter (mm)	0.033
p. Sorting Coefficient	4.28
q. Skewness	0.51
r. Standard Deviation (mm)	
s. Sediment Type	Silty Mud
t. Dominant Minerals (%) CO_3	99.7
u. Secondary Minerals (%)	Qtz 0.3
v. Calcium Carbonate (%)	86.
w. Organic Carbon (%)	0.45

15. REMARKS