MGG09005061

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 24° 48.7' N
3. LONGITUDE 76° 35.1' W
4. SAMPLE NO. 62-3
5. DATE TAKEN (DAY, MO., YR.) 28 MAY 62
6. WATER DEPTH (m) 1372
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 139
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9439	9440	9441	9442	9443	9444
11. SUBSAMPLE DEPTH IN CORE (cm)	0-4	23-28	49-55.5	88.5-92.5	99-106	131-136
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V. LIGHT GRAY	V. PALE ORANGE	5YR N7 4	V. LIGHT GRAY	V. PALE ORANGE	
	L 5YR N8	L 10YR 8/2	L 5YR N8	L 5YR N8	L 10YR 8/2	L 10YR 8/2
13. ODOR						
14. SIZE & COMPOSITION ANALYSIS						
a. > 4 (mm) (%)						
b. 4 to 2 mm (%)		TRACE	TRACE	TRACE	TRACE	TRACE
c. 2 to 1 mm (%)	TRACE	TRACE	TRACE	1	1	TRACE
d. 1 to .500 mm (%)	1	1	3	3	2	1
e. .500 to .250 mm (%)	2	2	5	4	4	2
f. .250 to .125 mm (%)	4	3	6	6	7	4
g. .125 to .062 mm (%)	10	8	6	12	9	7
h. .062 to .031 mm (%)						
i. .031 to .016 mm (%)	37	37	27	25	23	19
j. .016 to .008 mm (%)						
k. .008 to .004 mm (%)	23	22	16	12	13	14
l. .004 to .002 mm (%)						
m. .002 to .001 mm (%)	11	12	18	24	27	38
n. < .001 mm (%)	12	15	18	14	15	15
o. Median Diameter (mm)	.0125	.0164	.0130	.0160	.0100	.0036
p. Sorting Coefficient	2.99	3.49	5.20	5.49	5.51	4.05
q. Skewness	1.11	0.46	0.52	0.52	0.99	3.26
r. Standard Deviation (mm)						
s. Sediment Type	CLAYEY SILT	CLAYEY SILT	SILTY MUD	SILTY MUD	CLAYEY MUD	SILTY CLAY
t. Dominant Minerals (%)						
u. Secondary Minerals (%)						
v. Calcium Carbonate (%)	94	95	95	92	93	94
w. Organic Carbon (%)	1.447	1.035	.779			.458

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 23° 38.7' N
3. LONGITUDE 75° 52.2' W
4. SAMPLE NO. 62-3A
5. DATE TAKEN (DAY, MO., YR.) 30 MAY 1962
6. WATER DEPTH (m) 759
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 127
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9261	9262	9263	9264	9265	9266
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	20-26	48-54	76-82	96-104	119-127
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	YELLOW GRAY 5Y 7/2	V. LIGHT GRAY				
13. ODOR						
14. SIZE & COMPOSITION ANALYSIS						
a. > 4 (mm) (%)						
b. 4 to 2 mm (%)		TRACE		TRACE		
c. 2 to 1 mm (%)			TRACE	TRACE		TRACE
d. 1 to .500 mm (%)	TRACE	TRACE	TRACE	1	TRACE	TRACE
e. .500 to .250 mm (%)	TRACE	TRACE	1	2	1	1
f. .250 to .125 mm (%)	1	1	2	5	1	2
g. .125 to .062 mm (%)	3	3	6	10	4	5
h. .062 to .031 mm (%)						
i. .031 to .016 mm (%)	42	44	49	43	45	41
j. .016 to .008 mm (%)						
k. .008 to .004 mm (%)	14	13	13	10	12	13
l. .004 to .002 mm (%)						
m. .002 to .001 mm (%)	12	12	10	18	19	17
n. < .001 mm (%)	27	27	20	11	17	21
o. Median Diameter (mm)	.0105	.0127	.0183	.0216	.0161	.0142
p. Sorting Coefficient	5.63	6.10	4.05	3.94	3.93	4.46
q. Skewness	0.18	0.11	0.20	0.30	0.22	0.22
r. Standard Deviation (mm)						
s. Sediment Type	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
t. Dominant Minerals (%)						
u. Secondary Minerals (%)						
v. Calcium Carbonate (%)	102	92	94	96	95	95
w. Organic Carbon (%)	.305	.544	.332	.275	.225	.275

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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

ANALYZED BY STEWART

DATE OCT 62

1. CRUISE NO. 0-187
2. LATITUDE 24° 34' " N
3. LONGITUDE 76° 33.5' " W
4. SAMPLE NO. 62-7
5. DATE TAKEN (DAY, MO., YR.) 28 MAY 62
6. WATER DEPTH (m) 1527
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 106
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9448	9449	9450	9451	9452
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	25-31	42-48	58-62	80-86
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	MOD. LT. GRAY	WHITE	V. PALE ORANGE	10YR8/2	*
	[L] N6	[L] N9	[L] 10YR8/2	[L]	[L]
13. ODOR					
14. SIZE & COMPOSITION ANALYSIS					
a. > 4 (mm) (%)					
b. 4 to 2 mm (%)					
c. 2 to 1 mm (%)	TRACE	TRACE	TRACE	TRACE	TRACE
d. 1 to .500 mm (%)	TRACE	1	1	TRACE	1
e. .500 to .250 mm (%)	1	3	4	1	2
f. .250 to .125 mm (%)	17	5	8	3	4
g. .125 to .062 mm (%)	40	8	10	16	7
h. .062 to .031 mm (%)					
i. .031 to .016 mm (%)	20	27	17	43	24
j. .016 to .008 mm (%)					
k. .008 to .004 mm (%)	6	16	14	10	13
l. .004 to .002 mm (%)					
m. .002 to .001 mm (%)	6	18	27	13	28
n. < .001 mm (%)	9	22	20	14	20
o. Median Diameter (mm)	.0718	.0095	.0058	.0232	.0047
p. Sorting Coefficient	2.31	5.40	6.15	3.91	4.92
q. Skewness	0.44	0.55	2.20	0.31	1.85
r. Standard Deviation (mm)					
s. Sediment Type	SILTY SAND	CLAYEY SILT	CLAYEY MUD	CLAYEY SILT	SILTY CLAY
t. Dominant Minerals (%)					
u. Secondary Minerals (%)					
v. Calcium Carbonate (%)	94	95	91	95	92
w. Organic Carbon (%)	1.192			.642	

15. REMARKS * BETWEEN V. PALE ORANGE 10YR 8/2 & GRAYISH ORANGE 10YR 7/4

Item 172

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 24° 26.7' " N
3. LONGITUDE 76° 20' " W
4. SAMPLE NO. 62-10 EXUMA
5. DATE TAKEN (DAY, MO., YR.) 28 MAY 1962
6. WATER DEPTH (m) 1734
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 123
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9207	9208	9209	9210	9211	9212							
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	20-26	50-56	70-76	100-106	116-120							
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V.P. ORANGE L 10YR 8/2	V.P. ORANGE L 10YR 8/2	GRAYISH ORANGE L 10YR 7/4	GRAYISH ORANGE L 10YR 7/4	GRAYISH ORANGE L 10YR 7/4	V.P. ORANGE L 10YR 8/2							
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)	TRACE												
b. 4 to 2 mm (%)													
c. 2 to 1 mm (%)	TRACE	TRACE	TRACE		TRACE	1							
d. 1 to .500 mm (%)	TRACE	TRACE	TRACE	TRACE	TRACE	2							
e. .500 to .250 mm (%)	1	1	1	1	1	1							
f. .250 to .125 mm (%)	3	3	3	2	3	1							
g. .125 to .062 mm (%)	4	5	4	4	4	3							
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	30	30	22	17	14	30							
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	16	16	15	15	15	14							
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	13	17	28	46	44	27							
n. < .001 mm (%)	33	27	24	15	19	23							
o. Median Diameter (mm)	.0057	.0061	.0033	.0030	.0026	.0044							
p. Sorting Coefficient	6.06	5.38	4.63	3.08	3.19	4.56							
q. Skewness	0.55	0.63	1.97	2.37	2.17	1.30							
r. Standard Deviation (mm)													
s. Sediment Type	CLAYEY SILT	CLAYEY SILT	SILTY CLAY	SILTY CLAY	SILTY CLAY	SILTY CLAY							
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	98	102	99	99	98	—							
w. Organic Carbon (%)	.954	.294	.254	.238	.202	.254							

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 24° 16' N
3. LONGITUDE 75° 14' W
4. SAMPLE NO. 62-18
5. DATE TAKEN (DAY, MO., YR.) 29 MAY 62
6. WATER DEPTH (m) 1746
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 117
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9233	9234	9235	9236	9237	9238
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	22-27	36-42	42-46	46-51	112-117
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V. PALE ORANGE	10YR 8/2 * 4	MOD. YEL. BROWN	V. PALE ORANGE	MOD. YEL. BROWN	MOD. YEL. BROWN
	L 10YR 8/2	L 10YR 5/4	L 10YR 5/4	L 10YR 8/2	L 10YR 5/4	L 10YR 5/4
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 (%)	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
e. .500 to .250 mm (%)	TRACE	2	1	2	1	1
f. .250 to .125 mm (%)	3	5	4	16	3	3
g. .125 to .062 mm (%)	5	5	8	26	9	6
h. .062 to .031 mm (%)						
i. .031 to .016 mm (%)	45	29	17	25	19	16
j. .016 to .008 mm (%)						
k. .008 to .004 mm (%)	11	15	14	6	15	18
l. .004 to .002 mm (%)						
m. .002 to .001 mm (%)	12	18	26	11	24	31
n. < .001 mm (%)	24	27	30	13	29	25
o. Median Diameter (mm)	.0170	.0066	.0029	.0117	.0035	.0031
p. Sorting Coefficient	5.40	6.15	5.25	5.94	5.63	4.14
q. Skewness	0.12	0.56	2.10	0.361	1.66	1.78
r. Standard Deviation (mm)						
s. Sediment Type	CLAYEY SILT	SILTY CLAY	SILTY CLAY	SANDY MUD	SILTY CLAY	SILTY CLAY
t. Dominant Minerals (%)						
u. Secondary Minerals (%)						
v. Calcium Carbonate (%)	98	101	93	104	97	96
w. Organic Carbon (%)	.503	.298	.305	.227	.254	.224

15. REMARKS
* GRADUAL COLOR CHANGE

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 24° 12' " N
3. LONGITUDE 75° 54' " W
4. SAMPLE NO. 62-19 EXOMA S.
5. DATE TAKEN (DAY, MO., YR.) 29 MAY 1962
6. WATER DEPTH (m) 1829
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 206
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9213	9214	9215	9216	9217	9218	9219	9220					
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	22-27	50-57	100-105	111-114	150-156	175-180	200-206					
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	Y. GRAY	Y. GRAY	GRAYISH ORANGE	V. P. ORANGE	V. P. ORANGE	10YR 8/2	10YR 8/2	10YR 8/2					
	L 5Y 7/2	L 5Y 7/2	L 10YR 7/4	L 10YR 8/2	L 10YR 8/2	L	L	L					
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (pwa) (%)													
b. 4 to 2 mm (%)		TRACE	TRACE	1	TRACE	TRACE							
c. 2 to 1 mm (%)	TRACE		TRACE	2	2	TRACE		TRACE					
d. 1 to .500 mm (%)	TRACE	TRACE	TRACE	2	13	TRACE	TRACE	TRACE					
e. .500 to .250 mm (%)	1	1	1	1	16	1	1	TRACE					
f. .250 to .125 mm (%)	4	4	4	2	11	2	3	2					
g. .125 to .062 mm (%)	4	6	5	9	12	4	5	3					
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	28	26	16	42	22	18	24	21					
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	17	15	17	10	6	20	19	16					
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	17	22	30	15	6	38	31	42					
n. < .001 mm (%)	28	25	27	15	12	18	17	16					
o. Median Diameter (mm)	.0037	.0053	.0029	.0196	.0786	.0033	.0045	.0032					
p. Sorting Coefficient	5.36	5.09	4.48	4.38	4.38	3.34	3.83	3.30					
q. Skewness	0.72	0.92	1.94	0.29	0.87	2.01	1.64	2.40					
r. Standard Deviation (mm)													
s. Sediment Type	CLAYEY SILT	SILTY CLAY	SILTY CLAY	CLAYEY SILT	SILTY SAND	SILTY CLAY	SILTY CLAY	SILTY CLAY					
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	99	97	86	101	95	98	101	100					
w. Organic Carbon (%)	.465	.254	.292	.209	.234	.198	.202	.195					

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 24° 01' " N
3. LONGITUDE 76° 11.1' " W
4. SAMPLE NO. 62-22 BYUMA
5. DATE TAKEN (DAY, MO., YR.) 29 MAY 1962
6. WATER DEPTH (m) 1462
7. TYPE CORER KOLLENBERG
8. CORE LENGTH (cm) 54
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9221	9222	9223
11. SUBSAMPLE DEPTH IN CORE (cm)	14-21	31-33	43-50.5
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V.P. ORANGE [L] 10YR 8/6	10YR 8/2 [L]	GRAYISH ORANGE [L] 10YR 7/4
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 (mm) (%)			
b. 4 to 2 mm (%)		TRACE	
c. 2 to 1 mm (%)	TRACE		TRACE
d. 1 to .500 mm (%)	TRACE	TRACE	TRACE
e. .500 to .250 mm (%)	1	1	1
f. .250 to .125 mm (%)	3	4	3
g. .125 to .062 mm (%)	5	7	6
h. .062 to .031 mm (%)			
i. .031 to .016 mm (%)	36	36	23
j. .016 to .008 mm (%)			
k. .008 to .004 mm (%)	12	13	13
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%)	15	15	31
n. < .001 mm (%)	28	24	22
o. Median Diameter (mm)	.0088	.0130	.0035
p. Sorting Coefficient	5.69	5.47	4.55
q. Skewness	0.34	0.21	2.44
r. Standard Deviation (mm)			
s. Sediment Type	CLAYEY SILT	CLAYEY SILT	SILTY CLAY
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	100	101	98
w. Organic Carbon (%)	.533	.330	.242

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 23° 53.4' N ° N
3. LONGITUDE 76° 05.7' W ° W
4. SAMPLE NO. 62-23 EKUMA
5. DATE TAKEN (DAY, MO., YR.) 30 MAY 62
6. WATER DEPTH (m) 1033
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 113½
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9224	9225	9226	9227	9228								
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	46-52	65-71½	90.5-99	107-113.5								
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V. PALE ORANGE [L] 10YR 8/2	10YR 8/2 [L]	10YR 8/2 [L]	10YR 8/2 [L]	10YR 8/2 [L]								
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)													
b. 4 to 2 mm (%)													
c. 2 to 1 mm (%)		TRACE	TRACE	TRACE	TRACE								
d. 1 to .500 mm (%)	TRACE	TRACE	TRACE	1	TRACE								
e. .500 to .250 mm (%)	1	2	1	2	1								
f. .250 to .125 mm (%)	2	4	3	4	2								
g. .125 to .062 mm (%)	5	7	5	7	4								
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	36	29	30	28	32								
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	12	11	12	14	12								
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	12	29	33	31	32								
n. < .001 mm (%)	32	18	16	13	17								
o. Median Diameter (mm)	.0078	.0061	.0046	.0079	.0045								
p. Sorting Coefficient	6.21	4.59	4.16	4.24	4.08								
q. Skewness	0.31	1.28	1.84	1.04	1.85								
r. Standard Deviation (mm)													
s. Sediment Type	CLAYEY SILT	SILTY CLAY	SILTY CLAY	SILTY CLAY	SILTY CLAY								
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	102	100	103	105	94								
w. Organic Carbon (%)	.552	.254	.195	.254	.192								

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 24° 07.6' " N
3. LONGITUDE 75° 42' " W
4. SAMPLE NO. 62-27 EXUMA
5. DATE TAKEN (DAY, MO., YR.) 30 MAY 1962
6. WATER DEPTH (m) 1701
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 161
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9229	9230	9231	9232									
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	47-53	101-107	147-161									
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	GRAYISH ORANGE	10YR 7/4	10YR 7/4	V. PALE ORANGE									
	L 10YR 7/4	L	L	L 10YR 8/2									
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)													
b. 4 to 2 mm (%)													
c. 2 to 1 mm (%)	TRACE			TRACE									
d. 1 to .500 mm (%)	TRACE	TRACE	TRACE	TRACE									
e. .500 to .250 mm (%)	2	1	1	1									
f. .250 to .125 mm (%)	4	4	2	2									
g. .125 to .062 mm (%)	5	6	4	4									
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	32	20	17	29									
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	14	16	16	15									
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	16	30	38	32									
n. < .001 mm (%)	27	22	22	17									
o. Median Diameter (mm)	.0079	.0036	.0028	.0043									
p. Sorting Coefficient	5.81	4.59	3.77	3.91									
q. Skewness	0.44	1.97	2.19	1.87									
r. Standard Deviation (mm)													
s. Sediment Type	CLAYEY SILT	SILTY CLAY	SILTY CLAY	SILTY CLAY									
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	103	93	94	104									
w. Organic Carbon (%)	.452	.238	.246	.320									

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 24° 01.8' " N
3. LONGITUDE 75° 37' " W
4. SAMPLE NO. 62-29
5. DATE TAKEN (DAY, MO., YR.) 30 MAY 62
6. WATER DEPTH (m) 1785
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 165
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9239	9311	9240	9241	9312	9242							
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	50-52	52-60	100-106	142-145	160-165							
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	GRAYISH ORANGE L 10YR 7/4		10YR 7/4 L	10YR 7/4 L	V. PL. ORANGE L 10YR 8/2	10YR 7/4 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	2	1	TRACE	2	TRACE							
e. .500 to .250 mm (%)	TRACE	4	2	TRACE	11	1							
f. .250 to .125 mm (%)	2	6	5	2	14	2							
g. .125 to .062 mm (%)	7	7	9	4	8	5							
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	36	15	16	18	18	11							
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	16	15	14	15	12	17							
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	12	25	26	33	15	38							
n. < .001 mm (%)	27	26	28	28	19	26							
o. Median Diameter (mm)	.0110	.0036	.0032	.0025	.0212	.0024							
p. Sorting Coefficient	6.19	6.14	6.06	4.07	8.84	3.21							
q. Skewness	0.203	2.36	2.29	2.24	0.56	1.44							
r. Standard Deviation (mm)													
s. Sediment Type	CLAYEY SILT	SILTY CLAY	SILTY CLAY	SILTY CLAY	SANDY MUD	SILTY CLAY							
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	100	84	93	99	96	98							
w. Organic Carbon (%)	.295	.372	.261	.217	.303	.168							

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 23° 57.2' " N
3. LONGITUDE 75° 43.2' " W
4. SAMPLE NO. 62-30
5. DATE TAKEN (DAY, MO., YR.) 30 MAY 1962
6. WATER DEPTH (m) 1942
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 193
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9243	9313	9314	9315	9316	9317	9244	9318	9319	9320	9321	9322	9323
11. SUBSAMPLE DEPTH IN CORE (cm)	0-6	10-12	12-14	14-16	16-18	18-20	30-36	47-49	49-51	56-58	63-65	66-68	69-70
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V. PALE ORANGE	10YR8/2	10YR8/2	10YR8/2	10YR8/2	10YR8/2	10YR8/2	10YR8/2	GRAYISH ORANGE	10YR7/4	10YR7/4	10YR7/4	10YR7/4
	L 10YR8/2	L	L	L	L	L	L	L	L 10YR7/4	L	L	L	L
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (phi) (%)													
b. 4 to 2 mm (%)						TRACE							
c. 2 to 1 mm (%)						–		TRACE				TRACE	
d. 1 to .500 mm (%)	TRACE	TRACE		TRACE		TRACE	TRACE	TRACE		TRACE		2	TRACE
e. .500 to .250 mm (%)	TRACE	TRACE	TRACE	1	TRACE	2	1	1	TRACE	2	2	11	4
f. .250 to .125 mm (%)	1	2	1	5	6	13	2	3	5	18	23	26	23
g. .125 to .062 mm (%)	5	9	7	18	20	18	4	7	15	40	34	24	32
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	25	57	62	58	50	47	34	25	34	26	21	20	21
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	13	9	8	4	6	4	15	15	11	4	5	4	2
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	20	10	8	4	7	5	13	26	17	3	5	4	8
n. < .001 mm (%)	35	13	14	10	12	11	31	24	18	6	9	8	9
o. Median Diameter (mm)	.0029	.0230	.0224	.0337	.0324	.0390	.0067	.0039	.0190	.0748	.0743	.0921	.0764
p. Sorting Coefficient	6.35	2.70	2.30	1.77	1.98	2.08	6.06	4.97	5.23	1.86	2.32	2.40	2.30
q. Skewness	2.35	0.42	0.49	1.00	0.97	1.00	0.40	1.62	0.25	0.65	0.53	0.61	0.55
r. Standard Deviation (mm)													
s. Sediment Type	SILTY CLAY	CLAYEY SILT	CLAYEY SILT	SANDY SILT	SANDY SILT	SANDY SILT	CLAYEY SILT	SILTY CLAY	SILTY MUD	SILTY SAND	SILTY SAND	SILTY SAND	SILTY SAND
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	101	94	96	97	95	94	101	98	94	103	95	96	94
w. Organic Carbon (%)	.448	.372	.321	.314	.380	.445	.342	.358	.307	.314	.248	.328	.299

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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

ANALYZED BY STEWART

DATE OCT 62

1. CRUISE NO. 0-187
2. LATITUDE ° ' " N
3. LONGITUDE ° ' " W
4. SAMPLE NO. 62-30 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	9324	9325	9326	9327	9245	9328	9329	9246	9247	9248			
11. SUBSAMPLE DEPTH IN CORE (cm)	74-76	80-82	85-87	89-91	97-102	107-109	109-111	120-128	149-155	187-193			
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	10YR 7/4 L	10YR 7/4 L	10YR 7/4 L	10YR 7/4 L	YELLOW GRAY 5Y 7/2 L	5Y 7/2 L	V.L. GRAY L	5Y 7/2 L	5Y 7/2 L	5Y 7/2 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									
d. 1 to .500 mm (%)	3	TRACE	1	1	TRACE		TRACE	TRACE		TRACE			
e. .500 to .250 mm (%)	14	6	13	16	1	TRACE	1	1	TRACE	TRACE			
f. .250 to .125 mm (%)	31	30	44	42	2	1	4	3	2	2			
g. .125 to .062 mm (%)	24	28	22	23	4	4	17	6	4	4			
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	13	16	9	9	18	30	55	17	15	16			
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	5	5	3	1	17	17	6	15	15	19			
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	4	7	3	1	25	26	7	25	28	30			
n. < .001 mm (%)	7	8	5	6	33	23	10	33	35	29			
o. Median Diameter (mm)	.1158	.0884	.1416	.1456	.0025	.0046	.0302	.0025	.0020	.0026			
p. Sorting Coefficient	2.14	2.41	1.62	1.63	4.72	4.42	1.84	5.06	3.96	3.90			
q. Skewness	0.65	0.49	0.77	0.83	1.75	1.12	1.00	2.00	1.93	1.44			
r. Standard Deviation (mm)													
s. Sediment Type	SILTY SAND	SILTY SAND	SAND	SAND	SILTY CLAY	SILTY CLAY	SANDY SILT	SILTY CLAY	SILTY CLAY	SILTY CLAY			
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	93	92	103	99	91	93	105	93	93	91			
w. Organic Carbon (%)	.372	.299	.277	.387	.620	.328	.153	.290	.403	.195			

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 23° 48.3' " N
3. LONGITUDE 75° 52.2' " W
4. SAMPLE NO. 62-32
5. DATE TAKEN (DAY, MO., YR.) 30 MAY 1962
6. WATER DEPTH (m) 1701
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 190
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9253	9330	9254	9255	9256	9331	9257	9332	9258	9259	9333	9260	
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	18-19.5	31-37	48.5-52	67-73.5	93.5-95.5	105-110	122.5-124	135-141	170-176	183.5-186	186.5-189.5	
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V. PALE ORANGE	GRAYISH ORANGE	10YR 7/4	10YR 7/4	10YR 7/4	10YR 7/4	10YR 7/4	10YR 7/4	V. PALE ORANGE	10YR 8/2	10YR 8/2	10YR 8/2	
	L 10YR 8/2	L 10YR 7/4	L	L	L	L	L	L	L 10YR 7/2	L	L	L	
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)													
b. 4 to 2 mm (%)						TRACE					2	3	
c. 2 to 1 mm (%)						TRACE			TRACE		3	8	
d. 1 to .500 mm (%)	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE		TRACE	TRACE	TRACE	10	12	
e. .500 to .250 mm (%)	1	2	1	2	2	1	TRACE	1	1	TRACE	6	5	
f. .250 to .125 mm (%)	2	6	4	9	5	6	2	4	3	2	4	4	
g. .125 to .062 mm (%)	4	7	6	16	7	11	6	8	7	7	6	6	
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	32	29	20	25	20	23	21	23	29	33	21	20	
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	15	15	15	10	14	12	16	16	14	14	12	10	
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	17	16	31	19	32	27	32	26	25	25	20	16	
n. < .001 mm (%)	30	25	22	19	20	19	22	22	20	19	16	16	
o. Median Diameter (mm)	.0053	.0088	.0035	.0175	.0037	.0059	.0034	.0045	.0066	.0068	.0178	.0274	
p. Sorting Coefficient	6.95	5.89	4.63	6.50	4.48	5.40	4.11	4.79	4.57	4.42	7.90	13.11	
q. Skewness	0.43	0.45	2.13	0.35	2.48	1.64	2.11	1.64	0.94	0.83	0.79	1.11	
r. Standard Deviation (mm)													
s. Sediment Type	SILTY CLAY	CLAYEY SILT	SILTY CLAY	CLAYEY MUD	SILTY CLAY	SILTY CLAY	SILTY CLAY	SILTY CLAY	SILTY CLAY	CLAYEY SILT	CLAYEY MUD	SANDY MUD	
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	92	99	85	97	92	91	88	89	94	6	98	99	
w. Organic Carbon (%)	.486	.358	.232	.145	.282	.810	.242	.343	.219	49	.277	.307	

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 23° 53.2' N
3. LONGITUDE 75° 30' W
4. SAMPLE NO. 62-39
5. DATE TAKEN (DAY, MO., YR.) 30 MAY 62
6. WATER DEPTH (m) 2020
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 167
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9267	9268	9269	9270	9271								
11. SUBSAMPLE DEPTH IN CORE (cm)	0-10	51.5-60.5	82-85	97-106	157-167								
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	GRAYISH ORANGE 10YR 7/4 [L]	10YR 7/4 [L]	10YR 7/4 [L]	10YR 7/4 [L]	10YR 7/4 [L]								
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 (%)	TRACE	TRACE	TRACE	TRACE	TRACE								
e. .500 to .250 mm (%)	TRACE	1	TRACE	1	1								
f. .250 to .125 mm (%)	2	2	2	2	3								
g. .125 to .062 mm (%)	6	3	17	5	6								
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	36	25	41	22	34								
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	14	16	10	15	14								
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	14	30	11	24	18								
n. < .001 mm (%)	27	24	19	30	24								
o. Median Diameter (mm)	.0095	.0033	.0211	.0031	.0087								
p. Sorting Coefficient	6.00	4.38	4.92	4.99	5.20								
q. Skewness	0.26	1.76	0.22	1.66	0.43								
r. Standard Deviation (mm)													
s. Sediment Type	CLAYEY SILT	SILTY CLAY	CLAYEY SILT	SILTY CLAY	CLAYEY SILT								
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	90	87	95	85	92								
w. Organic Carbon (%)	.362	.015	.269	.255	.198								

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 24° 01.6' " N
3. LONGITUDE 75° 19.6' " W
4. SAMPLE NO. 62-41
5. DATE TAKEN (DAY, MO., YR.) 30 MAY 62
6. WATER DEPTH (m) 1901
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 207
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9272	9273	9274	9275	9276								
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	50-55	100-105	150-155	200-205								
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	GRAYISH ORANGE	10YR 7/4	10YR 7/4	10YR 7/4	10YR 7/4								
	L 10YR 7/4	L	L	L	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 (%)	TRACE	TRACE	TRACE		TRACE								
e. .500 to .250 mm (%)	1	TRACE	2	TRACE	1								
f. .250 to .125 mm (%)	5	2	4	3	4								
g. .125 to .062 mm (%)	14	6	7	9	9								
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	34	20	26	22	30								
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	14	16	14	15	14								
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	11	24	21	26	20								
n. < .001 mm (%)	19	30	26	25	22								
o. Median Diameter (mm)	.0190	.0030	.0054	.0037	.0090								
p. Sorting Coefficient	5.11	4.95	5.79	4.98	5.43								
q. Skewness	0.29	1.74	0.93	1.82	0.52								
r. Standard Deviation (mm)													
s. Sediment Type	SILTY MUD	SILTY CLAY	SILTY CLAY	SILTY CLAY	CLAYEY SILT								
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	91	88	91	88	90								
w. Organic Carbon (%)	.386	.225	.177	.282	.216								

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 23° 50' " N
3. LONGITUDE 75° 18.5' " W
4. SAMPLE NO. 62-46
5. DATE TAKEN (DAY, MO., YR.) 31 MAY 62
6. WATER DEPTH (m) 1510
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 115
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9277	9278	9279	9280									
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	50-56	89-94	110-115									
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V. PALE ORANGE [L] 10YR 8/2	10YR 8/2 [L]	10YR 8/2 [L]	10YR 8/2 [L]									
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)													
b. 4 to 2 (%)													
c. 2 to 1 (%)		TRACE	TRACE										
d. 1 to .[illegible] (%)	TRACE	TRACE	TRACE	TRACE									
e. .500 to .2[illegible] (%)	1	1	2	2									
f. .250 to .1[illegible] mm (%)	3	1	10	7									
g. .125 to .062 mm (%)	8	7	16	13									
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	32	35	23	22									
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	14	12	11	12									
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	10	10	20	26									
n. < .001 mm (%)	32	34	18	18									
o. Median Diameter (mm)	.0080	.0078	.0167	.0078									
p. Sorting Coefficient	7.82	7.56	6.38	5.75									
q. Skewness	0.24	0.24	0.42	1.23									
r. Standard Deviation (mm)													
s. Sediment Type	CLAYEY SILT	CLAYEY SILT	CLAYEY MUD	CLAYEY MUD									
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	92	89	99	96									
w. Organic Carbon (%)	.426	.478	.219	.124									

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 23° 42.7' " N
3. LONGITUDE 75° 30.2' " W
4. SAMPLE NO. 62-48
5. DATE TAKEN (DAY, MO., YR.) 31 MAY 62
6. WATER DEPTH (m) 1691
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 81
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9281	9282	9283	92-84									
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	17-24	57-65	72-79									
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V. PALE ORANGE	GRAYISH ORANGE	10YR 7/4	10YR 7/4									
	L 10YR 8/2	10YR 7/4	L	L									
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)													
b. 4 to 2 mm (%)													
c. 2 to 1 mm (%)													
d. 1 to .500 mm (%)		TRACE	TRACE	TRACE									
e. .500 to .250 mm (%)	TRACE	1	1	1									
f. .250 to .125 mm (%)	2	4	2	3									
g. .125 to .062 mm (%)	8	5	5	6									
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	35	22	21	23									
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	13	16	16	15									
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	11	23	27	27									
n. < .001 mm (%)	31	29	28	25									
o. Median Diameter (mm)	.0092	.0035	.0030	.0035									
p. Sorting Coefficient	6.52	5.27	4.87	4.78									
q. Skewness	0.25	1.46	1.69	1.87									
r. Standard Deviation (mm)													
s. Sediment Type	CLAYEY SILT	SILTY CLAY	SILTY CLAY	SILTY CLAY									
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	92	86	92	91									
w. Organic Carbon (%)	.413	.225	.178	.105									

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 23° 38.2' " N
3. LONGITUDE 75° 35.2' " W
4. SAMPLE NO. 62-49
5. DATE TAKEN (DAY, NO., YR.) 31 MAY 62
6. WATER DEPTH (m) 1426
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 96.5
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9468	9469	9470	9471									
11. SUBSAMPLE DEPTH IN CORE (cm)	0-4	23.5-30.5	46-51	79-86									
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V. PALE ORANGE [L] 10YR8/2	[L] 10YR8/2	P. YELLOW BROWN [ ] 10YR6/2	10YR6/2 [ ]									
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 (%)	2	1	1	TRACE									
e. .500 to .250 mm (%)	4	6	2	2									
f. .250 to .125 mm (%)	4	38	9	4									
g. .125 to .062 mm (%)	6	24	17	11									
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	29	14	25	26									
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	19	5	11	13									
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	16	12	18	27									
n. < .001 mm (%)	20		16	18									
o. Median Diameter (mm)	.0105	.1066	.0203	.0070									
p. Sorting Coefficient	4.92	2.20	5.89	5.03									
q. Skewness	0.50	0.49	0.37	1.16									
r. Standard Deviation (mm)													
s. Sediment Type	CLAYEY SILT	SILTY SAND	SILTY MUD	SILTY CLAY									
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	92	99	95	92									
w. Organic Carbon (%)	1.297			0.734									

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 23° 32.2' " N
3. LONGITUDE 75° 38.7' " W
4. SAMPLE NO. 62-51
5. DATE TAKEN (DAY, MO., YR.) 31 MAY 62
6. WATER DEPTH (m) 955
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 120
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9462	9463	9464	9465	9466	9467							
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	30-38	44-51	74-82	87-94	115-120							
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V. LIGHT GRAY [L] N8	[L] 5GY 6/1	[L] N8	[L] N8	[L] N8	[L] 5Y 8/1							
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)													
b. 4 to 2 mm (%)					TRACE	1							
c. 2 to 1 mm (%)	TRACE	TRACE	TRACE	TRACE	TRACE	1							
d. 1 to .500 mm (%)	TRACE	TRACE	TRACE	1	1	2							
e. .500 to .250 mm (%)	1	1	1	1	1	3							
f. .250 to .125 mm (%)	1	2	1	1	2	4							
g. .125 to .062 mm (%)	9	7	4	7	5	8							
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	47	42	41	41	46	29							
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	18	18	19	16	17	15							
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	25	13	13	12	11	21							
n. < .001 mm (%)		16	19	20	17	16							
o. Median Diameter (mm)	.0186	.0171	.0141	.0163	.0178	.0125							
p. Sorting Coefficient	2.94	3.56	4.01	4.30	3.56	4.72							
q. Skewness	0.42	0.34	0.26	0.23	0.27	0.52							
r. Standard Deviation (mm)													
s. Sediment Type	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT							
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	95	95	92	92	96	96							
w. Organic Carbon (%)	1.729			1.513		.747							

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 23° 33.8' " N
3. LONGITUDE 75° 32.1' " W
4. SAMPLE NO. 62-52
5. DATE TAKEN (DAY, MO., YR.) 31 MAY 62
6. WATER DEPTH (m) 947
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 61
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9285	9286	9287										
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	25-32	46-53										
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V. PALE ORANGE 10YR 8/2 [L]	10YR 8/2 [L]	10YR 8/2 [L]										
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)													
b. 4 to 2 mm (%)	TRACE												
c. 2 to 1 mm (%)	TRACE	TRACE											
d. 1 to .500 mm (%)	TRACE	TRACE	TRACE										
e. .500 to .250 mm (%)	TRACE	2	1										
f. .250 to .125 mm (%)	1	2	3										
g. .125 to .062 mm (%)	1	5	7										
h. .062 to .031 mm (%)	}	}	}										
i. .031 to .016 mm (%)	} 30	} 9	} 23										
j. .016 to .008 mm (%)	}	}	}										
k. .008 to .004 mm (%)	} 19	} 24	} 16										
l. .004 to .002 mm (%)	}	}	}										
m. .002 to .001 mm (%)	} 13	} 17	} 29										
n. < .001 mm (%)	36	41	21										
o. Median Diameter (mm)	.0044	.0022	.0043										
p. Sorting Coefficient	6.24	4.47	4.62										
q. Skewness	0.54	1.03	1.67										
r. Standard Deviation (mm)													
s. Sediment Type	CLAYEY SILT	SILTY CLAY	SILTY CLAY										
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	91	93	91										
w. Organic Carbon (%)	.553	.360	.282										

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

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

1. CRUISE NO. 0-187
2. LATITUDE 23° 37' " N
3. LONGITUDE 75° 25.2' " W
4. SAMPLE NO. 62-53
5. DATE TAKEN (DAY, MO., YR.) 31 MAY 62
6. WATER DEPTH (m) 860
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 143
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9288	9289	9290	9291
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	54-60	100-106	130-137
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V. LIGHT GRAY N8	N8	V. PALE ORANGE 10YR8/2	10YR8/2
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
e. .500 to .250 mm (%)	1	1	1	2
f. .250 to .125 mm (%)	2	2	3	6
g. .125 to .062 mm (%)	8	5	7	11
h. .062 to .031 mm (%)				
i. .031 to .016 mm (%)	41	37	33	38
j. .016 to .008 mm (%)				
k. .008 to .004 mm (%)	12	16	14	11
l. .004 to .002 mm (%)				
m. .002 to .001 mm (%)	10	14	24	18
n. < .001 mm (%)	26	26	18	14
o. Median Diameter (mm)	.0165	.0100	.0086	.0203
p. Sorting Coefficient	6.52	5.64	4.40	4.53
q. Skewness	0.10	0.26	0.67	0.29
r. Standard Deviation (mm)				
s. Sediment Type	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	93	94	93	95
w. Organic Carbon (%)	.687	.352	.172	.172

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

NAVOCEANO-EXP-3167/18-A (R

1. CRUISE NO. 0-
2. LATITUDE 23° 34.8' N
3. LONGITUDE 75° 10' W
4. SAMPLE NO. 62-55
5. DATE TAKEN (DAY, MO., YR.) 31 MAY 62
6. WATER DEPTH (m) 2232
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 150
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9292	9293	9294	9295	9296	9297	9298	9299	9300	9301	9302	9303	9304
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	17-19	22-24	26-28	28-33	33-37	39-41	46-50	70-72	72-76	78-80	90-96	98-100
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION													
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	TRACE	6	TRACE	1	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
e. .500 to .250 mm (%)	3	5	1	6	TRACE	22	4	1	1	1	2	2	1
f. .250 to .125 mm (%)	8	20	9	19	5	30	8	6	3	6	7	8	4
g. .125 to .062 mm (%)	23	22	20	23	22	12	9	16	12	17	18	15	20
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	32	22	25	19	36	12	20	33	35	34	32	26	31
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	11	8	12	6	11	7	17	11	14	12	12	13	12
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	8	9	15	10	8	7	20	8	12	10	8	15	9
n. < .001 mm (%)	15	13	18	11	18	9	22	25	23	21	22	21	24
o. Median Diameter (mm)	.0326	.0552	.0205	.0708	.0265	.1340	.0076	.0198	.0163	.0215	.0221	.0172	.0203
p. Sorting Coefficient	3.79	4.60	6.01	3.84	4.36	3.40	6.22	7.53	5.59	5.72	5.98	6.29	7.22
q. Skewness	0.43	0.24	0.34	0.31	0.33	0.27	0.96	0.14	0.20	0.26	0.24	0.34	0.18
r. Standard Deviation (mm)													
s. Sediment Type	SILTY MUD	SANDY MUD	SILTY MUD	SANDY MUD	SILTY MUD	SILTY SAND	CLAYEY MUD	SILTY MUD	CLAYEY SILT	SILTY MUD	SILTY MUD	SILTY MUD	SILTY MUD
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	95	97	101	95	91	104	95	100	98	96	99	87	88
w. Organic Carbon (%)	.423	.358	.402	.402	.393	.358	.343	.387	.445	.400	.372	.336	.299

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

NAVOCEANO-EXP-3167/10-A (Rev. 1-63)

1. CRUISE NO. 0-187
2. LATITUDE 23° 39.8 ' N
3. LONGITUDE 75° 10 ' W
4. SAMPLE NO. 62-55 (cont.)
5. DATE TAKEN (DAY, MO., YR.) 31 MAY 62
6. WATER DEPTH (m) 2232
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 150
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9305	9306	9307	9308	9309	9310							
11. SUBSAMPLE DEPTH IN CORE (cm)	109-111	114-116	128-130	136-138	139-146	146-150							
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION													
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 (mm) (%)		TRACE											
b. 4 to 2 mm (%)		-											
c. 2 to 1 mm (%)		–			TRACE								
d. 1 to .500 mm (%)		TRACE	TRACE	TRACE	TRACE	TRACE							
e. .500 to .250 mm (%)	TRACE	3	TRACE	1	4	2							
f. .250 to .125 mm (%)	16	17	14	16	15	10							
g. .125 to .062 mm (%)	32	23	27	21	20	17							
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	24	30	30	28	26	22							
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	8	7	9	9	9	12							
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	5	6	6	9	11	18							
n. < .001 mm (%)	15	13	14	16	15	19							
o. Median Diameter (mm)	.0567	.0477	.0439	.0367	.0344	.0176							
p. Sorting Coefficient	3.22	3.10	3.08	4.95	5.59	6.72							
q. Skewness	0.30	0.54	0.46	0.28	0.27	0.37							
r. Standard Deviation (mm)													
s. Sediment Type	SILTY SAND	SILTY SAND	SILTY SAND	SANDY MUD	SANDY MUD	CLAYEY MUD							
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	95	100	97	100	98	91							
w. Organic Carbon (%)	.489	.336	.299	.328	.241	.321							

15. REMARKS

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY STEWART

DATE OCT 62

NAVOCEANO-EXP-3167/10-A (Rev. 1-63)

1. CRUISE NO. 0-187
2. LATITUDE 23° 37' " N
3. LONGITUDE 75° 25.2' " W
4. SAMPLE NO. 62-53
5. DATE TAKEN (DAY, MO., YR.) 31 MAY 62
6. WATER DEPTH (m) 860
7. TYPE CORER KULLENBERG
8. CORE LENGTH (cm) 143
9. CORER PENETRATION (cm)

10. LABORATORY NUMBER	9288	9289	9290	9291									
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	54-60	100-106	130-137									
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	V. LIGHT GRAY N8	N8	V. PALE ORANGE 10YR 8/2	10YR 8/2									
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									
e. .500 to .250 mm (%)	1	1	1	2									
f. .250 to .125 mm (%)	2	2	3	6									
g. .125 to .062 mm (%)	8	5	7	11									
h. .062 to .031 mm (%)													
i. .031 to .016 mm (%)	41	37	33	38									
j. .016 to .008 mm (%)													
k. .008 to .004 mm (%)	12	16	14	11									
l. .004 to .002 mm (%)													
m. .002 to .001 mm (%)	10	14	24	18									
n. < .001 mm (%)	26	26	18	14									
o. Median Diameter (mm)	.0165	.0100	.0086	.0203									
p. Sorting Coefficient	6.52	5.64	4.40	4.53									
q. Skewness	0.10	0.26	0.67	0.29									
r. Standard Deviation (mm)													
s. Sediment Type	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT									
t. Dominant Minerals (%)													
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	93	94	93	95									
w. Organic Carbon (%)	.687	.352	.172	.172									

15. REMARKS

OCEANOGRAPHIC LOG SHEET-R
PRNC-NHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-1		3. SAMPLER TYPE Phleger
4. LATITUDE 24° 50' " N	7. WATER DEPTH (meters) 1225		
5. LONGITUDE 077° 48' " W	8. CORE LENGTH (cm) 33		
6. DATE (day, month, year) 23 August 1961	9. CORE PENETRATION (cm)		

10. LABORATORY NUMBER	7836	7837	7838	7839
11. SUB SAMPLE DEPTH IN CORE (cm)	0 - 3	10 - 13	20 - 23	30 - 33
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Very Pale Orange 10YR8/2, L Medium Light Gray N6	Very Pale Orange 10YR8/2 L	Very Pale Orange 10YR8/2 L	Very Pale Orange 10YR8/2, L Very Light Gray N8
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	6	7	6	7
c. % SILT	78	63	61	58
d. % CLAY	26	30	34	35
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt
f. PHI MEDIAN DIAMETER (Md ϕ)	6.21	6.49	6.82	7.02
g. PHI DEVIATION MEASURE ($\sigma\ \phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\ \phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R
PRNC-NHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-6	3. SAMPLER TYPE Phleger
4. LATITUDE 24° 29.6' "N	7. WATER DEPTH (meters) 1590	
5. LONGITUDE 077° 36' "W	8. CORE LENGTH (cm) 22	
6. DATE (day, month, year) 24 August 1961	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7840	7841	7842	
11. SUB SAMPLE DEPTH IN CORE (cm)	0-3	10-13	19-22	
12. COLOR (by the GSA rock color chart) [F] FIELD [L] LAB. DETERMINATION	Very Pale Orange 10YR8/2 [L]	Grayish Orange 10YR7/4, Light Gray N7 [L]	Very Pale Orange 10YR8/2, Grayish Orange 10YR7/4 [L]	
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (<−1 ϕ)				
b. % SAND	8	7	7	
c. % SILT	62	63	62	
d. % CLAY	31	30	31	
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	
f. PHI MEDIAN DIAMETER (Md ϕ)	6.83	6.79	6.92	
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY (lbs/ft³/g/cm³)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH (psi/g/cm³)				
j. VANE COHESION (psi/g/cm³)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R
PRNC-NHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-7	3. SAMPLER TYPE Phleger
4. LATITUDE 24° 10.3' " N	7. WATER DEPTH (meters) 1374	
5. LONGITUDE 077° 29.6' " W	8. CORE LENGTH (cm) 38.9	
6. DATE (day, month, year) 24 August 1961	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7595	7596	7597	7598
11. SUB SAMPLE DEPTH IN CORE (cm)	0-3	10-13	20-23	30-33
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Very Pale Orange 10YR8/2,* L Grayish Orange 10YR7/4	Very Pale Orange 10YR8/2, L Grayish Orange 10YR7/4	Very Pale Orange 10YR8/2, L Grayish Orange 10YR7/4	Very Pale Orange 10YR8/2, L Grayish Orange 10YR7/4
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	16	10	9	14
c. % SILT	44	50	60	62
d. % CLAY	41	40	31	25
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt
f. PHI MEDIAN DIAMETER (Md ϕ)	6.97	7.60	6.73	5.94
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

*With pockets of Light Gray (N7)

OCEANOGRAPHIC LOG SHEET-R
PRNC-NHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-7 (continued)		3. SAMPLER TYPE
4. LATITUDE ° ′ ″		7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″		8. CORE LENGTH (cm)	
6. DATE (day, month, year)		9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7599			
11. SUB SAMPLE DEPTH IN CORE (cm)	36-38.9			
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Very Pale Orange 10YR8/2, Light Gray N7 L			
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND ($<-1\ \phi$)				
b. % SAND	14			
c. % SILT	62			
d. % CLAY	25			
e. SEDIMENT TYPE	Clayey Silt			
f. PHI MEDIAN DIAMETER ($Md\ \phi$)	5.95			
g. PHI DEVIATION MEASURE ($\sigma\ \phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\ \phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R
PRNC-NHO-3157/18 Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-13		3. SAMPLER TYPE Phleger
4. LATITUDE 23° 50.7' " N	7. WATER DEPTH (meters) 1232		
5. LONGITUDE 076° 46.9' " W	8. CORE LENGTH (cm) 57.5		
6. DATE (day, month, year) 26 August 1961	9. CORE PENETRATION (cm)		

10. LABORATORY NUMBER	7588	7589	7590	7591
11. SUB SAMPLE DEPTH IN CORE (cm)	0-3	10-13	20-23	30-33
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Pale Yellowish Orange 10YR8/6, L Dark Yellowish Orange 10YR6/6	Very Light Gray N8 L	Very Light Gray N8 L	Very Light Gray N8 L
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	6	4	9	8
c. % SILT	63	58	55	51
d. % CLAY	31	38	36	41
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt
f. PHI MEDIAN DIAMETER (Md ϕ)	7.24	7.71	7.30	7.77
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($a\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-13 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7592	7593	7594	
11. SUB SAMPLE DEPTH IN CORE (cm)	40-43	50-53	53-57.5	
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Pale Greenish Yellow 10Y8/2 L	Very Light Gray N8, Pale Greenish Yellow 10Y8/2 L	Pale Greenish Yellow 10Y8/2 L	
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND ($< -1\ \phi$)				
b. % SAND	5	5	5	
c. % SILT	67	54	52	
d. % CLAY	27	40	43	
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	
f. PHI MEDIAN DIAMETER ($Md\ \phi$)	6.91	7.89	7.29	
g. PHI DEVIATION MEASURE ($\sigma\ \phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\ \phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. STN 15	3. SAMPLER TYPE Kullenberg	
4. LATITUDE 23° 29' " N	7. WATER DEPTH (meters) 1288		
5. LONGITUDE 076° 44' " W	8. CORE LENGTH (cm) 124.5		
6. DATE (day, month, year) 29 August 1961	9. CORE PENETRATION (cm)		

10. LABORATORY NUMBER	7500	7501	7502	7503
11. SUB SAMPLE DEPTH IN CORE (cm)	0-4	15-18	18-21	21-25
12. COLOR (by the GSA rock color chart) [F] FIELD [L] LAB. DETERMINATION	[L] Yellowish Gray 5Y8/1	[L] Yellowish Gray 5Y8/1	[L] Yellowish Gray 5Y8/1	[L] Very Pale Orange 10YR8/2
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				Trace
b. % SAND	19	21	42	82
c. % SILT	62	62	47	14
d. % CLAY	18	17	12	4
e. SEDIMENT TYPE	Sandy Silt	Sandy Silt	Sandy Silt	Sand
f. PHI MEDIAN DIAMETER (Md ϕ)	5.82	5.70	3.92	2.92
g. PHI DEVIATION MEASURE ($\sigma\phi$)		2.71	2.54	1.22
h. PHI SKEWNESS MEASURE ($\alpha\phi$)		0.28	0.61	0.15
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY (lbs/ft³/g/cm³)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH (psi/g/cm³)				
j. VANE COHESION (psi/g/cm³)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. 15 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7504	7505	7506	7507
11. SUB SAMPLE DEPTH IN CORE (cm)	25-28	28-32	32-36	36-42
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Yellowish Gray 5Y8/1 L	Yellowish Gray 5Y8/1 L	Very Pale Orange 10YR8/2 L	Yellowish Gray 5Y8/1 L
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	31	22	20	30
c. % SILT	53	58	63	55
d. % CLAY	16	20	18	14
e. SEDIMENT TYPE	Sandy Silt	Silty Mud	Sandy Silt	Sandy Silt
f. PHI MEDIAN DIAMETER (Md ϕ)	5.23	5.72	5.78	5.02
g. PHI DEVIATION MEASURE ($\sigma\phi$)	2.93		2.74	2.64
h. PHI SKEWNESS MEASURE ($\alpha\phi$)	0.29		0.22	0.42
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY (lbs/ft³/g/cm³)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH (psi/g/cm³)				
j. VANE COHESION (psi/g/cm³)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. 15 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7508	7509	7510	7511
11. SUB SAMPLE DEPTH IN CORE (cm)	60-66	66-68	68-72	120-124.5
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Yellowish Gray 5Y8/1 L	Very Pale Orange 10YR8/2 L	Very Pale Orange 10YR8/2, Yellowish Gray 5Y8/1 L	Yellowish Gray 5Y8/1 L
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	22	42	33	18
c. % SILT	60	44	51	63
d. % CLAY	19	14	16	19
e. SEDIMENT TYPE	Sandy Silt	Sandy Silt	Sandy Silt	Clayey Silt
f. PHI MEDIAN DIAMETER (Md ϕ)	5.77	3.93	5.21	5.73
g. PHI DEVIATION MEASURE ($\sigma\phi$)	2.82	2.80	2.96	2.82
h. PHI SKEWNESS MEASURE ($\alpha\phi$)	0.24	0.67	0.28	0.34
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.		2. SAMPLE NO. BS-17		3. SAMPLER TYPE PVC
4. LATITUDE 23° 27.4' " N		7. WATER DEPTH (meters) 1157		
5. LONGITUDE 076° 58.7' " W		8. CORE LENGTH (cm) 11		
6. DATE (day, month, year) 30 August 1961		9. CORE PENETRATION (cm)		
10. LABORATORY NUMBER	7843	7844		
11. SUB SAMPLE DEPTH IN CORE (cm)	0-4	7-11		
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	L White N9	L White N9		
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)		10		
b. % SAND	18	22		
c. % SILT	72	47		
d. % CLAY	10	22		
e. SEDIMENT TYPE	Sandy Silt	Silty Mud w/ Pebbles		
f. PHI MEDIAN DIAMETER (Md ϕ)	6.46	6.12		
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY (lbs/ft³/g/cm³)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH (psi/g/cm³)				
j. VANE COHESION (psi/g/cm³)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)	95	98		
b. Organic Carbon				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. 17 ' '	3. SAMPLER TYPE Kullenberg
4. LATITUDE 23° 27.4' " N	7. WATER DEPTH (meters) 1196	
5. LONGITUDE 076° 58.7' " W	8. CORE LENGTH (cm) 120	
6. DATE (day, month, year) 30 August 1961	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7512	7513	7514	7515
11. SUB SAMPLE DEPTH IN CORE (cm)	0-4	4-10	18-22	28-34
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Light Gray N7 L	Yellowish Gray 5Y8/1 L	Yellowish Gray 5Y8/1 L	Light Gray N7 L
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	19	15	38	13
c. % SILT	66	67	50	67
d. % CLAY	15	18	11	19
e. SEDIMENT TYPE	Sandy Silt	Clayey Silt	Sandy Silt	Clayey Silt
f. PHI MEDIAN DIAMETER (Md ϕ)	5.74	5.78	4.74	5.96
g. PHI DEVIATION MEASURE ($\sigma\phi$)	2.64		2.60	
h. PHI SKEWNESS MEASURE ($\alpha\phi$)	0.24		0.33	
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. 17 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7516	7517	7518	7519
11. SUB SAMPLE DEPTH IN CORE (cm)	58-62	62-66	66-70	70-74
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Yellowish Gray 5Y8/1 L	Yellowish Gray 5Y8/1 L	Yellowish Gray 5Y8/1 L	Yellowish Gray 5Y8/1 L
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (<−1 ϕ)		Trace	1	1
b. % SAND	20	30	27	22
c. % SILT	60	48	50	48
d. % CLAY	20	22	22	30
e. SEDIMENT TYPE	Silty Mud	Silty Mud	Silty Mud	Silty Mud
f. PHI MEDIAN DIAMETER (Md ϕ)	5.74	5.40	4.83	6.44
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. 17 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7520	7521	7522	7523
11. SUB SAMPLE DEPTH IN CORE (cm)	79-83	83-87	87-91	91-95
12. COLOR (by the GSA rock color chart) [F] FIELD [L] LAB. DETERMINATION	Yellowish Gray 5Y8/1 L	Yellowish Gray 5Y8/1 L	Yellowish Gray 5Y8/1 L	Yellowish Gray 5Y8/1 L
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)	1	Trace	1	2
b. % SAND	32	36	24	28
c. % SILT	44	42	61	60
d. % CLAY	22	23	23	11
e. SEDIMENT TYPE	Silty Mud	Silty Mud	Silty Mud	Sandy Silt
f. PHI MEDIAN DIAMETER (Md ϕ)	5.50	5.20	5.80	5.75
g. PHI DEVIATION MEASURE ($\sigma\phi$)				3.65
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				-0.30
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. 17 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH *(meters)*	
5. LONGITUDE ° ′ ″	8. CORE LENGTH *(cm)*	
6. DATE *(day, month, year)*	9. CORE PENETRATION *(cm)*	

10. LABORATORY NUMBER	7524			
11. SUB SAMPLE DEPTH IN CORE *(cm)*	114-120			
12. COLOR *(by the GSA rock color chart)* [F] FIELD [L] LAB. DETERMINATION	Pale Greenish Yellow 10Y 8/2, Yellowish Gray 5Y7/2 (L)			
13. ODOR *(earthy, moldy, rank, H_2S, etc.)*				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND ($< -1\ \phi$)	3			
b. % SAND	19			
c. % SILT	57			
d. % CLAY	22			
e. SEDIMENT TYPE	Clayey Silt			
f. PHI MEDIAN DIAMETER ($Md\ \phi$)	5.77			
g. PHI DEVIATION MEASURE ($\sigma\ \phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\ \phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT *(% dry weight)*				
c. VOID RATIO				
d. BULK WET DENSITY *($lbs/ft^3/g/cm^3$)*				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH *($psi/g/cm^3$)*				
j. VANE COHESION *($psi/g/cm^3$)*				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-19		3. SAMPLER TYPE Kullenberg
4. LATITUDE 23° 59' " N		7. WATER DEPTH (meters) 1180	
5. LONGITUDE 077° 15.7' " W		8. CORE LENGTH (cm) 159.5	
6. DATE (day, month, year) 12 September 1961		9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7548	7549	7550	7551
11. SUB SAMPLE DEPTH IN CORE (cm)	0-3	10-13	20-23	30-33
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Medium Blue Gray 5B5/1, Pale Olive L 10Y6/2	Very Light Gray N8 L	Very Light Gray N8 L	Very Light Gray N8, Pale Olive L 10Y6/2
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND ($<-1\ \phi$)				
b. % SAND	17	14	11	10
c. % SILT	74	66	70	67
d. % CLAY	9	20	19	23
e. SEDIMENT TYPE	Sandy Silt	Clayey Silt	Clayey Silt	Clayey Silt
f. PHI MEDIAN DIAMETER ($Md\ \phi$)	5.68	5.77	5.73	5.90
g. PHI DEVIATION MEASURE ($\sigma\ \phi$)	4.16			
h. PHI SKEWNESS MEASURE ($\alpha\ \phi$)	0.08			
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-19 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7552	7553	7554	7555
11. SUB SAMPLE DEPTH IN CORE (cm)	40-43	50-53	100-103	156-159
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Very Light Gray N8 L	Very Light Gray N8, Medium Light Gray N6 L	Very Light Gray N8, Light Greenish Gray 5GY8/2 L	Very Light Gray N8 L
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	11	12	11	4
c. % SILT	63	62	58	47
d. % CLAY	26	26	31	48
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	Silty Clay
f. PHI MEDIAN DIAMETER (Md ϕ)	6.00	5.92	6.30	8.84
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($a\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-20	3. SAMPLER TYPE PVC
4. LATITUDE 24° 18' " N	7. WATER DEPTH (meters) 1481	
5. LONGITUDE 077° 27.5' " W	8. CORE LENGTH (cm) 52.5	
6. DATE (day, month, year) 30 August 1961	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7571	7572	7573	7574
11. SUB SAMPLE DEPTH IN CORE (cm)	0-2	10-12	20-22	30-32
12. COLOR (by the GSA rock color chart) [F] FIELD [L] LAB. DETERMINATION	Very Pale Orange 10YR8/2, L Pale Yellowish Brown 10YR6/2	Very Pale Orange 10YR8/2, L Pale Yellowish Orange 10YR6/2	Grayish Orange 10YR7/4 L	Very Pale Orange 10YR8/2, L Pale Yellowish Brown 10YR6/2
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	5	7	8	14
c. % SILT	59	47	42	49
d. % CLAY	35	45	50	37
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Silty Clay	Clayey Silt
f. PHI MEDIAN DIAMETER (Md ϕ)	7.53	8.50	9.00	7.12
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R
PRNC-NHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-20 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7575	7576	7577	7578
11. SUB SAMPLE DEPTH IN CORE (cm)	45-47	47-48	49-51	51-52.5
12. COLOR (by the GSA rock color chart) [F] FIELD [L] LAB. DETERMINATION	Very Pale Orange 10YR8/2, Grayish Orange 10YR7/4 (L)	Very Pale Orange 10YR8/2 (L)	Very Pale Orange 10YR8/2, Grayish Orange 10YR7/4 (L)	Very Pale Orange 10YR8/2, Grayish Orange 10YR7/4 (L)
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)		Trace		
b. % SAND	14	20	15	20
c. % SILT	45	46	46	44
d. % CLAY	40	33	40	36
e. SEDIMENT TYPE	Clayey Silt	Silty Mud	Clayey Silt	Silty Mud
f. PHI MEDIAN DIAMETER (Md ϕ)	7.90	7.14	7.48	6.99
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. 20		3. SAMPLER TYPE Kullenberg
4. LATITUDE 24° 18' "N		7. WATER DEPTH (meters) 1481	
5. LONGITUDE 077° 27.5' "W		8. CORE LENGTH (cm) 150	
6. DATE (day, month, year) 30 August 1961		9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7525	7526	7527	7528
11. SUB SAMPLE DEPTH IN CORE (cm)	0-4	4-7	7-13	14-17
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Light Brown 5YR6/4, Moderate Orange Pink 5YR8/4 (L)	Very Pale Orange 10YR8/2 (L)	Yellowish Gray 5Y7/2 (L)	White N9 (L)
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)		1		
b. % SAND	5	5	2	4
c. % SILT	54	54	54	51
d. % CLAY	40	40	43	46
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt
f. PHI MEDIAN DIAMETER (Md ϕ)	8.21	8.15	8.49	8.44
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. 20 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7529	7530	7531	7532
11. SUB SAMPLE DEPTH IN CORE (cm)	18-22	22-24.5	24.5-26	26-30
12. COLOR (by the GSA rock color chart) [F] FIELD [L] LAB. DETERMINATION	Yellowish Gray 5Y7/2 L	White N9 L	Medium Light Gray N6 L	White N9 L
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	1	14	16	25
c. % SILT	52	53	52	48
d. % CLAY	46	34	33	27
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	Silty Mud
f. PHI MEDIAN DIAMETER (Md ϕ)	8.75	6.65	6.15	5.65
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. 20 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH *(meters)*	
5. LONGITUDE ° ′ ″	8. CORE LENGTH *(cm)*	
6. DATE *(day, month, year)*	9. CORE PENETRATION *(cm)*	

10. LABORATORY NUMBER	7533	7534	7535	7536
11. SUB SAMPLE DEPTH IN CORE *(cm)*	30-34	40-43	53-57.5	57.5-61
12. COLOR *(by the GSA rock color chart)* F FIELD L LAB. DETERMINATION	White N9, Very Light Gray N8 L	Very Pale Orange 10YR8/2 L	Very Pale Orange 10YR8/2 L	Very Pale Orange 10YR8/2 L
13. ODOR *(earthy, moldy, rank, H_2S, etc.)*				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND ($< -1\ \phi$)				
b. % SAND	7	9	11	34
c. % SILT	41	45	51	51
d. % CLAY	52	46	39	16
e. SEDIMENT TYPE	Silty Clay	Silty Clay	Clayey Silt	Sandy Silt
f. PHI MEDIAN DIAMETER ($Md\ \phi$)	9.15	8.50	7.45	4.75
g. PHI DEVIATION MEASURE ($\sigma\phi$)				2.60
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				0.48
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT *(% dry weight)*				
c. VOID RATIO				
d. BULK WET DENSITY *($lbs/ft^3/g/cm^3$)*				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH *($psi/g/cm^3$)*				
j. VANE COHESION *($psi/g/cm^3$)*				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. 20 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ' "	7. WATER DEPTH (meters)	
5. LONGITUDE ° ' "	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7537	7538	7539	7540
11. SUB SAMPLE DEPTH IN CORE (cm)	61-64	64-67	67-70	80-84
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Very Pale Orange 10YR8/2 L	Very Pale Orange 10YR8/2 L	Very Pale Orange 10YR8/2, Grayish Purple 5P4/2 L	Very Pale Orange 10YR8/2 L
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	48	21	17	7
c. % SILT	41	53	51	48
d. % CLAY	11	26	33	45
e. SEDIMENT TYPE	Silty Sand	Silty Mud	Clayey Silt	Clayey Silt
f. PHI MEDIAN DIAMETER (Md ϕ)	4.65	5.72	6.64	8.49
g. PHI DEVIATION MEASURE ($\sigma\phi$)	1.98			
h. PHI SKEWNESS MEASURE ($\alpha\phi$)	0.19			
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

~~OCEAN~~OGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. 20 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7541	7542	7543	7544
11. SUB SAMPLE DEPTH IN CORE (cm)	84-88	88-91.5	91.5-95	101-105
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Very Pale Orange L 10YR 8/2	Very Pale Orange L 10YR8/2	Very Pale Orange L 10YR8/2	Very Pale Orange L 10YR8/2
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				Trace
b. % SAND	56	54	14	65
c. % SILT	26	27	45	22
d. % CLAY	18	18	40	13
e. SEDIMENT TYPE	Silty Sand	Silty Sand	Clayey Silt	Silty Sand
f. PHI MEDIAN DIAMETER (Md ϕ)	2.98	3.22	7.95	3.05
g. PHI DEVIATION MEASURE ($\sigma\phi$)				2.90
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				0.64
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY (lbs/ft^3/g/cm^3)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH (psi/g/cm^3)				
j. VANE COHESION (psi/g/cm^3)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. 20 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7545	7546	7547	
11. SUB SAMPLE DEPTH IN CORE (cm)	105-110	110-114	146-150	
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Very Pale Orange 10YR8/2 (L)	Very Pale Orange 10YR8/2, Grayish Purple 5P4/2 (L)	Very Pale Orange 10YR8/2 (L)	
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	66	31	12	
c. % SILT	20	42	53	
d. % CLAY	13	28	34	
e. SEDIMENT TYPE	Silty Sand	Silty Mud	Clayey Silt	
f. PHI MEDIAN DIAMETER (Md ϕ)	2.87	5.73	7.00	
g. PHI DEVIATION MEASURE ($\sigma\phi$)	6.22			
h. PHI SKEWNESS MEASURE ($\alpha\phi$)	0.35			
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-21	3. SAMPLER TYPE Phleger
4. LATITUDE 24° 40.5' " N	7. WATER DEPTH (meters) 1591	
5. LONGITUDE 077° 30.5' " W	8. CORE LENGTH (cm) 59	
6. DATE (day, month, year) 30 August 1961	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7579	7580	7581	7582
11. SUB SAMPLE DEPTH IN CORE (cm)	0-4	10-13	20-23	30-33
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Medium Light Gray N6 L	Very Pale Orange 10YR8/2, Grayish Orange 10YR7/4 L	Very Pale Orange 10YR8/2, Very Light Gray N8 L	Very Light Gray N8 L
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	37	28	21	25
c. % SILT	50	54	62	57
d. % CLAY	13	18	17	18
e. SEDIMENT TYPE	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt
f. PHI MEDIAN DIAMETER (Md ϕ)	5.20	5.20	5.36	5.25
g. PHI DEVIATION MEASURE ($\sigma\phi$)	2.50	2.96	2.70	2.84
h. PHI SKEWNESS MEASURE ($\alpha\phi$)	0.20	0.28	0.42	0.46
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-21 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7583	7584	7585	7586
11. SUB SAMPLE DEPTH IN CORE (cm)	33-37	37-40.5	40.5-44	50-53
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Very Light Gray N8 L	Very Light Gray N8 L	Very Light Gray N8, Yellowish Gray 5Y8/1 L	Very Light Gray N8 L
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	19	10	26	24
c. % SILT	60	67	56	53
d. % CLAY	21	23	19	22
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Sandy Silt	Silty Mud
f. PHI MEDIAN DIAMETER (Md ϕ)	5.56	6.20	5.29	6.65
g. PHI DEVIATION MEASURE ($\sigma\phi$)			2.90	
h. PHI SKEWNESS MEASURE ($\alpha\phi$)			0.42	
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-21 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH *(meters)*	
5. LONGITUDE ° ′ ″	8. CORE LENGTH *(cm)*	
6. DATE *(day, month, year)*	9. CORE PENETRATION *(cm)*	

10. LABORATORY NUMBER	7587			
11. SUB SAMPLE DEPTH IN CORE *(cm)*	56-59			
12. COLOR *(by the GSA rock color chart)* [F] FIELD [L] LAB. DETERMINATION	Yellowish Gray 5Y8/1 L			
13. ODOR *(earthy, moldy, rank, H_2S, etc.)*				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND ($< -1\ \phi$)				
b. % SAND	26			
c. % SILT	54			
d. % CLAY	20			
e. SEDIMENT TYPE	Silty Mud			
f. PHI MEDIAN DIAMETER ($Md\ \phi$)	5.38			
g. PHI DEVIATION MEASURE ($\sigma\ \phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\ \phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT *(% dry weight)*				
c. VOID RATIO				
d. BULK WET DENSITY *($lbs/ft^3/g/cm^3$)*				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH *($psi/g/cm^3$)*				
j. VANE COHESION *($psi/g/cm^3$)*				
k. SENSITIVITY				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-21	3. SAMPLER TYPE Kullenberg	
4. LATITUDE 24° 40.5' " N	7. WATER DEPTH (meters) 1209		
5. LONGITUDE 077° 30.5' " W	8. CORE LENGTH (cm) 129.0		
6. DATE (day, month, year) 30 August 1961	9. CORE PENETRATION (cm)		

10. LABORATORY NUMBER	7556	7557	7558	7559
11. SUB SAMPLE DEPTH IN CORE (cm)	0-2	2-6	6-9	9-11
12. COLOR (by the GSA rock color chart) [F] FIELD [L] LAB. DETERMINATION	Medium Bluish Gray	Light Greenish Gray	White	Yellowish Gray
	L 5B5/1	L 5GY8/1	L N9	L 5Y8/1
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				
b. % SAND	13	14	13	41
c. % SILT	60	54	54	40
d. % CLAY	28	33	32	18
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	Silty Sand
f. PHI MEDIAN DIAMETER (Md ϕ)	6.89	6.80	6.40	4.60
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-21 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7560	7561	7562	7563
11. SUB SAMPLE DEPTH IN CORE (cm)	11-15	20-22	30-33	46-49
12. COLOR (by the GSA rock color chart) [F] FIELD [L] LAB. DETERMINATION	Very Light Gray N8 [L]	Yellowish Gray 5Y8/1 [L]	Yellowish Gray 5Y8/1, Very Light Gray N8 [L]	Very Light Gray N8 [L]
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)				Trace
b. % SAND	14	17	33	30
c. % SILT	53	49	42	50
d. % CLAY	32	35	25	20
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Silty Mud	Silty Mud
f. PHI MEDIAN DIAMETER (Md ϕ)	6.43	6.60	5.07	5.00
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($a\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY (lbs/ft^3/g/cm^3)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH (psi/g/cm^3)				
j. VANE COHESION (psi/g/cm^3)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R
PRNC-NHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-21 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7564	7565	7566	7567
11. SUB SAMPLE DEPTH IN CORE (cm)	49-52	59-62	62-65	95-98
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Yellowish Gray 5Y8/1, Very Light Gray N8 L	Yellowish Gray 5Y8/1, Very Light Gray N8 L	Very Light Gray N8 L	Very Light Gray N8 L
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)	1	28	2	
b. % SAND	46	43	33	16
c. % SILT	34	17	31	42
d. % CLAY	19	12	34	42
e. SEDIMENT TYPE	Silty Sand	Silty Sand w/ Pebbles	Clayey Mud	Silt and Clay
f. PHI MEDIAN DIAMETER (Md ϕ)	4.20	1.17	5.50	6.92
g. PHI DEVIATION MEASURE ($\sigma\phi$)		4.85		
h. PHI SKEWNESS MEASURE ($\alpha\phi$)		0.16		
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$				
b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R
PRIC-NHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. BS-21 (continued)	3. SAMPLER TYPE
4. LATITUDE ° ′ ″	7. WATER DEPTH (meters)	
5. LONGITUDE ° ′ ″	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	

10. LABORATORY NUMBER	7568	7569	7570	
11. SUB SAMPLE DEPTH IN CORE (cm)	98-100	100-103	126-129	
12. COLOR (by the GSA rock color chart) F FIELD L LAB. DETERMINATION	Very Light Gray N8 (L)	Very Light Gray N8 (L)	Very Light Gray N8, Grayish Blue 5PB 5/2 (L)	
13. ODOR (earthy, moldy, rank, H_2S, etc.)				
14. SIZE ANALYSIS and STATISTICAL MEASURES				
a. % COARSER THAN SAND (< −1 ϕ)		Trace	Trace	
b. % SAND	18	18	33	
c. % SILT	40	38	39	
d. % CLAY	43	46	28	
e. SEDIMENT TYPE	Silty Clay	Silty Clay	Silty Mud	
f. PHI MEDIAN DIAMETER (Md ϕ)	6.84	7.60	5.49	
g. PHI DEVIATION MEASURE ($\sigma\phi$)				
h. PHI SKEWNESS MEASURE ($\alpha\phi$)				
15. MASS PHYSICAL PROPERTIES				
a. SATURATION (%)				
b. WATER CONTENT (% dry weight)				
c. VOID RATIO				
d. BULK WET DENSITY ($lbs/ft^3/g/cm^3$)				
e. SPECIFIC GRAVITY				
f. LIQUID LIMIT				
g. PLASTIC LIMIT				
h. PLASTICITY INDEX				
i. COMPRESSIVE STRENGTH ($psi/g/cm^3$)				
j. VANE COHESION ($psi/g/cm^3$)				
k. SENSITIVITY				
16. Chemical Analysis				
a. $CaCO_3$ (%)				
b. Organic Carbon (%)				

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: Keller + Noble PROJ. NO: Exuma DATE LOGGED IN: 11/28/62

SAMPLE NO: 62-3 SECTION NO: SAMPLER TYPE: Kullenberg

LATITUDE: 24° 48.7' LOCATION: WATER DEPTH (fms) ~~[illegible]~~ (m) 1372

LONGITUDE: 76 35.1' CORE LENGTH (cm) 139

DATE (d-m-y) 28 May 1962 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)
moisture loss from 0-25cm		5YR N8	9439 0-4	h	122	silty clay
4cm						
dark patch of fine grained material						
6.5cm						
10cm						
layering - noticeable color change - grading to a non banded zone		5Y 7/2		h	252 10-14cm	silty clay
noticeable color change 16cm		10YR 8/2	9440	h	M10 23-28cm	
color change abrupt 19cm		5YR N8				
homogenous						
34.5cm						
light gray due probably to organic matter	5YR N7					
37 cm						
49cm						
irregular banding with darker material probably due to organic matter appears slightly coarser		5YR N8	9441	h	21	
		5YR N7	49-55.5		49-55.5	

9438 Sheet 2 of 3

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: Keller + Noble PROJ. NO: DATE LOGGED IN: 11/29/62

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)
59cm		5YR N8				silty clay
Pocket w/ pteropods + coarse material - no color change 61cm	pteropods					
63cm						
65.5cm	pteropods					
color grading into a more yellow gray and grain size appearing finer.						
75.5cm						
Saved for microscope slam.	pteropods					
78.5cm						
			S 9442 88.5-92.5	h	130	silty clay
89.5cm	pteropods					
½ cm pteropods layer						
½ cm thick pteropods 91.5cm layer - more yellow color. Scattered pteropod debris	pteropods	10YR 8/2				
99.						
			9443 99-106cm	h	211	
Scattered pteropod debris.						
106						
108						
concentration of pteropod debris						
111cm						

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: Keller & Noble PROJ. NO: Exuma Sound DATE LOGGED IN: 11/29/62

SAMPLE NO: 62-3 SECTION NO: SAMPLER TYPE: Kullenberg

LATITUDE: LOCATION: WATER DEPTH (fms) (m) 1372

LONGITUDE: CORE LENGTH (cm)

DATE (d-m-y) 28 May 1962 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)
122.5		10YR 8/2				
pteropod debris	pteropods					
124 cm						
			9444	h	182	Silty-Clay
			131-136			
139						

200 - 206 cm 2.73

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: PROJ. NO: 0-187 DATE LOGGED IN:

SAMPLE NO: 62-19 SECTION NO: SAMPLER TYPE:

LATITUDE: 24° 12 LOCATION: Exuma 5 WATER DEPTH (fms) (m) 1829

LONGITUDE: 75°54 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)
0	mottles	5Y7/2 Y. Gray	9213		M34	
		slightly lighter	0-8		172	
Too Dessicated for Moisture						
	Nano SKC					
Pockets of coarse 10						
material						
Size						
0-8 20						
22-27			9214		160	
50-57			22-27			
100-105						
111-114						
150-156 30	~~Nano SKC~~					
175-180		10YR7/4				
200-206						
40						
50	Nano SKC		9215		46	
			50-57			
60						
70						
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)
FG						
FF						
90						
	Homo S+C					
100			9216		163	
	10YR 82		100-105			
	Reef detritus					
	Homo S+C					
110			9217		48	
	10YR 82 Reef detritus		111-114			
120						
	Homo S+C begins getting lighter into 10YR 82					
130						
140						
150			9218		37	
			150-156			
	Bottom at 206 cm		9219		194	
			175-180			
			9220		M25	
			200-206		224	

SAMPLE No. 62-23

Log by _____ Proj. 0-187 Date 30 May 62 Sampler type K'berg Water Depth (m) 1033 (F) _____

Latitude 23° 53.4'N Longitude 76° 05.2'W Core length (cm) 113 1/2 cm

Remarks	Depth in Core (cm)	Core Sketch and Color	Lab No.	Cruc. Nos.
0-8; 46-52; 65-71 1/2; 90 1/2-99; 107-113 1/2 sig. analyzed	2	N-6 + a little darker than 10YR8/2	9224	M14
Homogeneous silt + clay	4		0-8	249
	6			
	8			
	10	slightly darker than very pale orange 10YR8/2		
	20			
	30			
	40		9225 46-52	235
	50			
	60		9226 65-71 1/2	98
	70			
	80			
	90	10YR8/2	9227 90 1/2-99	254X
	100			
	110		9228 107-113 1/2	M1 168
		Bottom		
	120			
	130			
	140			

SAMPLE # 62-34 EXUMA

Log by Rusty Proj. 0-187 Date 6 OCT 62 Sampler type K'burg Water Depth (m) 259 (F)

Latitude 23°38.7' Longitude 75°52.2 Core length (m)

Remarks	Depth in core (cm)	Core Sketch and Color	Lab No.	Org C / CaCO3
SG Top M39	2	SYZZ tan ooze with	9261	45
Bottom M16	4		0-8	
	6			
	8			
	10	MOTTLED V.L. GRAY		
		NB		
	20	HOMOGENEOUS	9263	org C
		lyscattered	20-26	CaCO3
		planktonic		243
	30	shells		
	40			
			9263	org C
			38-44	CaCO3
	50			
	60			
	70		9264	org C + CaCO3
			76-82	123
	80			
	90			
			9265	org C
			96-104	CaCO3
	100			121
	110			
	120			
			9266	org C + CaCO3
		127 cm Bottom	119-127	964
	130			
	140			

SAMPLE NO. 62-22 Exuma

M62

Log by Dubey Prog. OCEC Date 30 OCT 62 Sampler type K key Water Depth (m) (F)

Latitude 24° 01' Longitude 76° 11.1 Core length (cm) 54 cm

Remarks	Depth in Core (cm)	Core Sketch and Color	Lab No.	CRUC. NOS.
	2	VP Olive 10YR 82	9221	M64
	4		14-21	111
	6			
	8			
	10			
	20		9222	247
			21-33	
	30	Color to Grayish Orange 10YR 74		
		34-40 area of mixed H SHC and coarse fragments		
	40			
			9223	M-32
	50		43-50½	136
		Bottom 54 cm		
	60			
	70			
	80			
	90			
	100			
	110			
	120			
	130			
	140			

63

Exuma Sound

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: Busby PROJ. NO: DATE LOGGED IN: 4 Sept. 1962

SAMPLE NO: 62-41 SECTION NO: SAMPLER TYPE: Kullenberg

LATITUDE: 24 01.6 LOCATION: Exuma Sound WATER DEPTH (fms) (m)

LONGITUDE: 75° 19.6' CORE LENGTH (cm) 207

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

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. h, m, l	CRUC. NOS. CaCO3	SEDIMENT TYPE (visual)
0			9272			
Moistures at 0-2, 10-12, 20-22, 30-32 ... to 200-202	10YR7/4 GRAYISH ORANGE	LT GRAY N7	0-5		251	all intervals
4						
6						
Size 8	Silt + Clay with Pteropods scattered at Random					
0-5 10						
50-55						
100-105						
150-155	No Significant color change					
200-205						
20						
Spec grav. Top M72 Bottom M51						
30						
40						
Bands of 10YR 7.5/3 No Texture change-only color			9273			
50			50-55		152	
60						
70						
80	scattered coarse Reef material Foraminifera + skeletal Reef-Top debris					

DS 41 (cont.)

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: PROJ. NO: DATE LOGGED IN:

SAMPLE NO: C2-41 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)
54						
56	10YR 2/4					
88	No change					
cut core at 92 90						
density 92-97 with chrome tube "X" F = .8818			9274 ~~9302~~ 100-105		256X	
100						
110						
cut at 122						
120						
Density 122-129 Lab Tube "2"						
130						
140						
			9275 ~~9303~~ 150-155		95	
150						
160						

BS - 41 (cont.)

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: PROJ. NO: DATE LOGGED IN:

SAMPLE NO: C2-41 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)
168						
170	10YR 7/4 No change IN Color				60	
180						
190						
192-199 Density Lix "X"	begin V.F. sand Blank, Foram, Bonth. Forams, Halimeda, ptero, Alcyonarian spicules.	Coarse layers Bet. 10YR 2 & 4/9	192-199 9276 ~~9277~~ 200-205			
200						
207	Bottom 207 cm					

62-55 EXUMA

Log by Busby Proj. 0-187 Date Oct 7 '62 Sampler type K'berg

Latitude 23°39.8 Longitude 75°10' Core length (m) ____

Remarks
specific Gravity
Top 0-8 (M59)
Bottom 139-146 (M30)

save M30 for
$CaCO_3$ & orgC VP ORG.
10/12/82

Depth in core (cm)	Core Sketch and Color	Lab No.	org C + $CaCO_3$ all intervals
2		9292 0-8	207
4			
6			
8			
10		9293 12-19	171
		9294 22-24	150
20			
		9295 26-28	226
		9296 28-33	25
30		9297 33-37	100
		9298 39-41	186
40	stringers of sand	9299 46-56	149
	stringers & sand overlays throughout the 36-72 cm interval may be "falls" or Turbidites		
50			
60			
		9300 70-72	125
70		9301 72-76	128
	N S+C	9302 78-80	72
80			
		9303 90-96	412
90			
		9304 98-100	144
100			
		9305 109-111	283
		9306 114-116	277
110	N S+C		
120			
		9307 128-130	280
130		9308 136-138	284
	N S+C	9309 139-146	M30 atio 56
	Turb to 150 cm		
140		9310 146-150	68
150 Bottom			

Nodule
Gravel
Syn2

OCEANOGRAPHY-LABORATORY LOG SHEET 62-48

LOG BY: PROJ. NO: 0-187 DATE LOGGED IN:

SAMPLE NO: 62-48 SECTION NO: SAMPLER TYPE:

LATITUDE: 23°42.7' LOCATION: EXUMA S. WATER DEPTH (fms) (m)/691

LONGITUDE: 75° 30.2 CORE LENGTH (cm) 81 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. mg CaCO3	SEDIMENT TYPE (visual)
Size analysis 0-8, 17-24, 57-65, 72-79		10YR8/2 Mottle	9281 0-8		187	all intervals
		10YR7/4 Homo silt & clay				
Spec. Gravity Top M3 Bottom M20 (72-79 —)	occasional large particles		9282 17-24		181	
20						
40						
			9283 57-65		112	
60						
			9284 72-79		167	
80						
	Bottom					

Station No. 62-27 Exuma

Log by Rusty Proj. 0-157 Date 4 oct 62 Sampler type Kbg Water Depth 1701

Latitude 24°07.6' Longitude 75°42' Core length (m) 161

Remarks	Depth in Core (cm)	Core Sketch and Color	Lab No.	CRUC. NOS.
	2	Strongest Orange 10YR7/4	9229	114
	4		0-8	M36
	6			
	8			
	10			
		Homo S+C with no change except in color through core.		
	20			
	30			
		mottling		
	40			
			9230	1
			47-53	
	50			
	60			
	70			
	80			
	90			
	100		9231	284
			101-107	
	110			
	120	UP orange 10YR6/8		
	130	Homo S+C		
	140			
		Pick bottom	9232 147-161	285 M22

✓

sheet 1 of 3

OCEANOGRAPHY-LABORATORY LOG SHEET

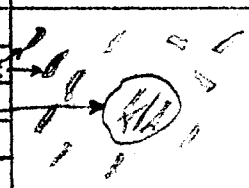
LOG BY: Keller & Robb PROJ. NO: DATE LOGGED IN: 12/3/62

SAMPLE NO: 62-49 SECTION NO: SAMPLER TYPE:

LATITUDE: 23° 38.2' LOCATION: Exuma Sound WATER DEPTH (fms) (m) 1426

LONGITUDE: 75° 35.2' CORE LENGTH (cm)

DATE (d-m-y) 31 May 1962 CORE PENETRATION (cm)

REMARKS: (odor, shells, bedding, structure, etc.)	CORE SKETCH (depth of core)	COLOR	LAB. NOS.	CALC. MAT. n,m,1	CRUC. NOS.	SEDIMENT TYPE (visual)
Light gray small pockets which look like filled-in worm burrows pocket of forams & pteropods		10YR 8/2	9468 0-4cm		M-68 h	sandy silt
forams present - sharp contact	Pteropod Layer					
abundant pteropods below layer						
10cm						
7 to 23 cm						
pteropod fragments very abundant - abundant forams						
20cm						
gradistional change from predominantly pteropods to forams						
foram very abundant between 23.5 to 32 cm.						silty sand
No noticeable grading from 32cm up to 23.5cm			9469 23.5-30.5		135 h	
30cm						
sharp contact change in sediment size and color to a brown silty clay with few forams		Between 10YR 6/2 + 10YR 7/2				clayey silt
40						

70

sheet 2 of 3

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: Kellner Noble PROJ. NO: DATE LOGGED IN: 12/3/62

SAMPLE NO: 62-49 SECTION NO: SAMPLER TYPE:

LATITUDE: LOCATION: Exuma Sound WATER DEPTH (fms) (m) 1426

LONGITUDE: CORE LENGTH (cm)

DATE (d-m-y) 31 May 1962 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)
continued fine material with some foram and few pteropods scattered through section						clayey silt
		10YR 6/2				
			9470		190	
			46-51		h	
50						
60cm						
		10YR6/2				
slightly lighter colored pocket of material. looks like a worm tube which has been filled in. 70cm						
80						
			9472		113	
			79-86		h	

sheet 3 of 3

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: PROJ. NO: DATE LOGGED IN: 12/3/62

SAMPLE NO: 62-49 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)
Same as the above						
		10YR 6/2				
a little harder but this is due to water loss probably	90cm					
	96cm 96.5					

Sheet 1 of 3

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: Noble + Keller PROJ. NO: DATE LOGGED IN: 12/3/62

SAMPLE NO: G2-51 SECTION NO: SAMPLER TYPE: Kullenberg

LATITUDE: 23° 32.2' N LOCATION: Exuma Sound WATER DEPTH (fms) (m) 955

LONGITUDE: 75° 38.2' W CORE LENGTH (cm) 120

DATE (d-m-y) 31 May 1962 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)
			9462		M54	
dark gray bands			0-8cm		h	
		N8				
mottled with light gray						
						Silty-clay
		N8				
10cm						
Pteropod fragments scattered throughout interval 0-44cm.						
H_2S odor throughout 0-44cm interval	Gradation color change	5GY6/1				
sharp contact - noticed by color change		N8				
20cm						
appears to be a filled in worm boring		5GY 6/1				
core lose in liner - moisture has been lost						
30cm			9463		M70	
Rather uniform in appearance			30-38		h	
40cm						

sheet 2 of 3

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: Noble + Keller PROJ. NO: DATE LOGGED IN: 12/3/63

SAMPLE NO: 62-51 SECTION NO: SAMPLER TYPE:

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

LONGITUDE: CORE LENGTH (cm)

DATE (d-m-y) 31 May 1962 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)
		N8				Silty-Clay
scattered specks			9464		M72	
of dark gray material.			44-51cm		h?	
scattered pteropod soft fragments throughout interval.						
appears to be a worm hole which has been filled in.		5GY 6/1				
H_2S odor throughout the interval.						
70cm						
			9465		RWA	
			74-82cm		h	
80cm						

Homogeneous throughout

187

8 94 426 120 sheet 3 of 3

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: PROJ. NO: DATE LOGGED IN: 12/3/62

SAMPLE NO: 62-51 SECTION NO: SAMPLER TYPE:

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

LONGITUDE: CORE LENGTH (cm)

DATE (d-m-y) 31 May 1962 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)
		N8				Silty Clay
			9466		213	
			8794		H	
90						
H_2S odor throughout section 87-120cm also pteropod fragments abundant.						
100						
mottling with light gray from 98 to 120cm						
110						
			9467		M21	
gradual grading in color to a yellowish gray material in this interval is stiffer than above sediment.		5Y8/1	115-120		h	
120						
In general there appears to be a color darking with depth in the core until at 115cm when it picks up some yellowish colo						

V

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: Noble Stiles PROJ. NO: Exuma Sound DATE LOGGED IN: 29 Nov., 1962.

SAMPLE NO: BS-62-7 SECTION NO: SAMPLER TYPE: K.

LATITUDE: 24°34' LOCATION: WATER DEPTH (fms) (m)

LONGITUDE: 76 33.5' 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)
Fine grained carbonate sand Med. Light gray mottling has slight H_2S odor. Makes sloping contact with ① carbonate silt and clay	Yellowish gray	Med. Light gray N6 mottled with Yellowish gray 5Y 8/1	9448	h	152	
Grayish blk. material on contact has H_2S odor, probably due to organics.		N2 Grayish blk.				
③ None		Very Light Gray N8				
Pteropod frags throughout with the occasional concentration of larger more complete frags in layers. ④	20	White	9449	h	246	
Carbonate silt and clay grades into a mixture of sand, silt and clay. ⑤		Pinkish grey 5YR 8/1 to Very Pale Orange 10YR 8/2				
Very light grey N8 ⑥	40		9450		175	
None		Light brownish grey.				
(102)	60	Very Pale Orange 10YR 8/2	9451		116	
(104)	Pteropods	Between Very Pale Orange 10YR 8/2 and Grayish orange 10YR 7/4				
(105-106)	Pteropods					
	80 Cont'd.					

76

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)
(105-106)	80 Cont'd.	Between very pale orange 10 YR 8/2 and Grayish Orange 10 YR 7/4	9452		244	
Vane (107)						
100 (109)						
	Bottom					

SAMPLE NO. 62-32 EXUMA

Log by Busby Proj. 0-187 Date 4 Oct 62 Sampler type K'bey Water Depth (m) 1901 (F)

Latitude 23° 48.3' Longitude 75° 52.2' Core length (m) 196

Remarks	Depth in core (cm)	Core Sketch and Color	Lab No.	all intervals org C / $CaCO_3$ all
SG - Top M67 Bottom M37 also $CaCO_3$ + org C curve.	2	V.P. Orange 10YR 8/2	9253 0-8	151
	4			
	6			
	8			
	10			
		grades to ↘ at 12cm 10YR 7/4 TO 12Z	9330 18-19.5	108
	20	No Mottles		
SG - 0-8cm = 2.69				
186.5 - 189.5 = 2.72	30		9254 31-37	org C / $CaCO_3$ 410
	40			
	50	coarse fine sand f/m	9255 48.5-52	75
	60			
			9256 62-73.5	org C + $CaCO_3$ 124
	70			
	80			
			9331	241
	90		93.5-95.5	
		coarse ◁ ▷		
	100		9257 105-110	org C + $CaCO_3$ 254
	110			
			9332	205
	120		122.5-124	
		10YR 7/2 V.P. Orange		
	130		9258 135-141	org C + $CaCO_3$ 176
	140			

Sample No. 62-52 cont EKO

Log by _____ Proj. _____ Date _____ Sampler type _____ Water Depth (m) _____

Latitude _____ Longitude _____ Core length (m) _____

Remarks	Depth in core (cm)	Core Sketch and Color	Lab No.
	2	10YR8/1	
	4	Home S+C	
	6		
	8		
	1.50		
Thin coarse zone			
	1.60	Home S+C	
	1.70		9259 170-176
	1.80		9333 183.5-186 113
		coarse	
	1.90	V.C. zone	9260 186.5-189.5
		Bottom 190 cm	
	2.00		
	70		
	80		
		coarser zone	
	90		
	100		
	110		
	120		
	130		
	140		

SAMPLE NO. C2-39 EXUMA

Log by Bosby Proj. C-187 Date ~~5 Oct 62~~ 30 MAY 62 Sampler type Kbey Water Depth (m) 2020 (F)

Latitude 23°53.2 Longitude 75°30W Core length (cm) 167

Remarks	Depth in core (cm)	Core Sketch and Color	Lab No.	$CaCO_3$
SG-M52 TGp	2	10YR 7/4	9267	
	4	Grayish Org	0-10	236
	6			
49 Bottom	8			
	10	Homo S+C		
	20			
	30			
	40			
	50		9268	
		mottled 10YR 7/4 and white N9	51.5-[illegible]	137
	60			
	70			
	80		9269	org C + $CaCO_3$
		coarse white zone	82-[illegible]	177
	90			
	100			
	110		9270 99-106	org C + $CaCO_3$ 130
	120			
	130		9271 157-167	org C + $CaCO_3$ 202
	140			

✓ SAMPLE NO. 62-30 EXUMA

Log by Rusty Proj. 0-187 Date 3 Oct 62 Sampler type K'Berg Water Depth (m) 1942 (F)

Latitude 23°57.2' Longitude 75°43.3 Core length (m) 193 cm

Remarks	Depth in core (cm)	Core Sketch and Color	Lab No.	org c + CaCO3 all intervals (org c)
core dried out.	2	VP orange 10YR 8/2	9243 0-6	(419)
spec gravity	4			
Top M7	6			
Bottom M24	8	Homo sec	9313 10-12	(147)
	10	gradual coarse turbidite	9314 12-14	(232)
			9315 14-16	(220)
	20	sharp	9316 16-18	(142)
		Homo sec with mottles	9317 18-20	(430)
SG - 0-6 cm 2.70	30		9244 30-36	(7)
187-193 - 2.73				
	40	Grades to from top ↓ 10YR 7/4	9318 47-49	(109)
	50	sharp bottom seds thin below	9319 49-51	(196)
			9320 56-58	(153)
	60		9321 63-65	(64)
			9322 66-68	(143)
	70	material looks finer here - may be start of new turbidite which overlies older one	9323 69-70	(73)
Mod. LT GRAY N6 - ORGANIC?			9324 74-76	(21)
	80		9325 80-82	(102)
			9326 85-87	(238)
	90	sharp + coarse yellow gray 5Y 7/2 M Sec w/ mottles	9327 89-91	(264)
			9245 97-102	org c + CaCO3 95
	100		9328 107-109	(135)
	110	V.F Turbidite v.l. gray N8	9329 109-111	(127)
		Homo sec VP yellow 10YR 8/2 VP orange		
	120	Homo sec yellow GRAY 5Y 7/2	9246 120-128	208
	130	No change to bottom	9247 149-155	
			9248 187-193	org c 203 CaCO3
	140			

193 cm Bottom

OCEANOGRAPHY-LABORATORY LOG SHEET

LOGGED 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		Moderate Yellow Brown				silt
		10YR 5/4				
87.5 90						
95						
100 101						
110						
			9238 112-117	org C $CaCO_3$ 169		
120	Bottom 117cm.					
140						

1BSX8

(172)

OCEANOGRAPHY-LABORATORY LOG SHEET

LOG BY: STILES PROJ. NO: - 0-187 DATE LOGGED IN: 25 oct 62

SAMPLE NO: 62-18 SECTION NO: — SAMPLER TYPE: Kullenberg

LATITUDE: 24°16'N LOCATION: EXUMA So WATER DEPTH (fms) — (m) 1746

LONGITUDE: 75°14 W CORE LENGTH (cm) 117 cm.

DATE (d-m-y) 29 MAY 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)
Clear water on top of core.	0	10YR 5/2 very pale brown	9233 0-5	High	org C CaCO3 129	Silt + Mud
	11					
	18					
gradual color change →	20	Mod. yellow brown 10YR 5/4	9234 22-27		org C CaCO3 192	
	30					
	39.5		9235 36-42		org C CaCO3 31	
AT 40cm tried to run density, but, I couldn't push the tube in far enough. (litho change - MANY pteropods)	40	10YR 8/2	9236 42-46		org C CaCO3 122	SAND
	45					
	47.5		9237 46-51		org C CaCO3 222	silt
More clay near bottom of core	52	10YR 5/4				
	54.5					
	66					
	62.5					
	70 70.5					
color change	80					

SAMPLE NO. 62-46 EXUMA

Log by Bosly Proj. 0-187 Date 30 OCT 62 Sampler type K'Ley Water Depth (m) 1510 (f) 540

Latitude 22°50' Longitude 75°18.5 Core length (cm) 115

Remarks	Depth in Core (cm)	Core Sketch and Color	Lab No.	Organism
Spec G.	2	V. P Orange	9277	
Top - M46	4	> 10YR 8/2	0-8	193
Bottom - M58	6	Homo sec		
	8			
	10	Grades into		
	20	↓		
		10YR 7/4 Grayish orange		
	30			
		10YR 8/2 with lt mottles		
	40			
	50	No mottles below 84 cm.	9278 50-56	190
	60			
	70			
	80			
	90	Coarse zone	9279 ~~87-94~~	137
		Area of indeterminate lithology - may be turbidite ?		
	100			
	110		9280 110-115	29
		Bottom 115		
	120			
	130			
	140			