MGG09005036

117-01

MGG09005036

Laboratory Item 437

A SUMMARY OF SEDIMENT SIZE AND CHEMISTRY OF FIFTEEN GRABS FROM MAYPORT, FLORIDA. NAVY TUG # 8. SEPTEMBER, 1972.

SEDIMENT SIZE AND CHEMISTRY
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Prepared for: Marine Chemistry Branch
Code 7310

November 1972

Geological Laboratory
Nearshore Surveys Division
Oceanographic Surveys Department

U.S. NAVAL OCEANOGRAPHIC OFFICE
WASHINGTON, D. C. 20390

LOG FOR GRAB SAMPLES

Project No: 437
Location: Mayport, Florida

MGG 0 9 0 0 5 0 3 6

117-01

Logged By P. B. Loomis
Date Logged 15 Oct 72

	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: 1 Lat: 30° 21.00 N Long: 81° 18.00 W Date: SEP 72 Water depth:	437-1	5GY 1/1	Yes	Sandy Silt	5Y 4/2 where exposed to air; Slight fishy odor; H_2S when acidified; Two Small Pelecypods.
Sample No: 2 Lat: " " Long: Date: " " Water depth:	437 2	5Y 6/2	Yes	Coarse Sand	No odor; Many Small shell fragments.
Sample No: 3 Lat: " " Long: Date: " " Water depth:	437 3	5Y 6/2	Yes	Coarse Sand	No odor; shells and fragments
Sample No: 4 Lat: " " Long: Date: " " Water depth:	437 4	5Y 6/2	Yes	Coarse Sand	No odor; Shells and fragments
Sample No: 5 Lat: " " Long: Date: " " Water depth:	437 5	5Y 6/2	Yes	Coarse Sand	No odor; Shells and fragments.
Sample No: 6 Lat: " " Long: Date: " " Water depth:	437 6	5Y 4/3	Yes	Sandy Silt	Color N2 inside; Slight fishy odor; H_2S odor when acidified.
Sample No: 7 Lat: " " Long: Date: " " Water depth:	437 7	5Y 6/2	Yes	Sand	5Y 4/1 inside; Slight fishy odor; H_2S odor when acidified.
Sample No: 8 Lat: " " Long: Date: " " Water depth:	437 8	5Y 5/2	Yes	Coarse Sand	No odor; Shells and fragments.
Sample No: 9 Lat: " " Long: Date: " " Water depth:	437 9	5Y 5/2	Yes	Coarse Sand	No odor

LOG FOR GRAB SAMPLES

Project No: 437
Location: Mayport, Florida

MGG0 9 0 0 5 0 8 6
117-01

Logged By P. B. Loomis
Date Logged 15 OCT 72

	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: 10 Lat: 30° 21.00 N Long: 81° 18.00 W Date: SEP 72 Water depth:	437 10	5Y 4/2	Yes	Sandy Silt	H_2S odor
Sample No: 11 Lat: " " Long: Date: " " Water depth:	437 11	5Y 6/2	Yes	Sand	5Y 4/1 inside; Slight fishy odor; H_2S odor when acidified.
Sample No: 12 Lat: " " Long: Date: " " Water depth:	437 12	5Y 5/2	Yes	Sand	Shell fragments
Sample No: 13 Lat: " " Long: Date: " " Water depth:	437 13	5Y 5/2	Yes	Silty Sand	5Y 3/2 inside; H_2S when acidified; shell fragments.
Sample No: 15 Lat: " " Long: Date: " " Water depth:	437 14	5Y 5/2	Yes	Sand	Shells and fragments.
Sample No: 16 Lat: " " Long: Date: " " Water depth:	437 15	5Y 4/2	Yes	Sand	Shell fragments
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 0SEP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-01 LENGTH .0 ANALYZED 0NOV72
SAMPLE 1 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 1

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.000
-3 TO -2	8.000 TO 4.000	.299
-2 TO -1	4.000 TO 2.000	.389
-1 TO 0	2.000 TO 1.000	.966
0 TO 1	1.000 TO .500	4.035
1 TO 2	.500 TO .250	17.454
2 TO 3	.250 TO .125	28.571
3 TO 4	.125 TO .063	10.042
4 TO 5	.063 TO .031	2.212
5 TO 6	.031 TO .016	2.540
6 TO 7	.016 TO .008	2.540
7 TO 8	.008 TO .004	2.989
8 TO 9	.004 TO .002	2.839
9 TO 10	.002 TO .001	2.540
>10	<.001	22.594

GRAVEL (>2.0 MM)	.687
SAND (2.0-.063 MM)	61.058
SILT (.063-.004 MM)	10.281
CLAY (<.004 MM)	27.974
MEAN (MM)	.0356
MEAN (PHI)	4.813
STANDARD DEVIATION	3.675
SKEWNESS	.296
KURTOSIS	-1.238
CALCIUM CARBONATE	12.600
ORGANIC CARBON	1.054
NITROGEN (KJELDAHL)	.140
COLOR (GSA)	5GY1/1

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SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 0SEP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-01 LENGTH .0 ANALYZED 0NOV72
SAMPLE 2 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 2

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.362
-3 TO -2	8.000 TO 4.000	.805
-2 TO -1	4.000 TO 2.000	1.020
-1 TO 0	2.000 TO 1.000	1.825
0 TO 1	1.000 TO .500	8.601
1 TO 2	.500 TO .250	35.771
2 TO 3	.250 TO .125	46.277
3 TO 4	.125 TO .063	4.012
4 TO 5	.063 TO .031	.174
5 TO 6	.031 TO .016	.201
6 TO 7	.016 TO .008	.000
7 TO 8	.008 TO .004	.000
8 TO 9	.004 TO .002	.000
9 TO 10	.002 TO .001	.000
>10	<.001	.953

GRAVEL (>2.0 MM)	2.187
SAND (2.0-.063 MM)	96.485
SILT (.063-.004 MM)	.376
CLAY (<.004 MM)	.953
MEAN (MM)	.2609
MEAN (PHI)	1.939
STANDARD DEVIATION	1.312
SKEWNESS	.904
KURTOSIS	17.475
CALCIUM CARBONATE	11.000
ORGANIC CARBON	.048
NITROGEN (KJELDAHL)	.008
COLOR (GSA)	5Y6/2

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 0SEP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-0(LENGTH .0 ANALYZED 0NOV72
SAMPLE 3 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 3

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.292
-3 TO -2	8.000 TO 4.000	1.260
-2 TO -1	4.000 TO 2.000	.882
-1 TO 0	2.000 TO 1.000	2.003
0 TO 1	1.000 TO .500	16.837
1 TO 2	.500 TO .250	45.058
2 TO 3	.250 TO .125	31.379
3 TO 4	.125 TO .063	1.420
4 TO 5	.063 TO .031	.013
5 TO 6	.031 TO .016	.000
6 TO 7	.016 TO .008	.000
7 TO 8	.008 TO .004	.000
8 TO 9	.004 TO .002	.000
9 TO 10	.002 TO .001	.000
>10	<.001	.876

GRAVEL (>2.0 MM)	2.415
SAND (2.0-.063 MM)	96.696
SILT (.063-.004 MM)	.013
CLAY (<.004 MM)	.876

MEAN (MM)	.3249
MEAN (PHI)	1.622
STANDARD DEVIATION	1.291
SKEWNESS	1.038
KURTOSIS	19.281

CALCIUM CARBONATE	8.300
ORGANIC CARBON	.044
NITROGEN (KJELDAHL)	.008
COLOR (GSA)	5Y6/2

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 0SEP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-01 LENGTH .0 ANALYZED 0NOV72
SAMPLE 4 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 4

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.883
-3 TO -2	8.000 TO 4.000	.476
-2 TO -1	4.000 TO 2.000	.897
-1 TO 0	2.000 TO 1.000	2.351
0 TO 1	1.000 TO .500	19.747
1 TO 2	.500 TO .250	43.721
2 TO 3	.250 TO .125	29.927
3 TO 4	.125 TO .063	.883
4 TO 5	.063 TO .031	.217
5 TO 6	.031 TO .016	.068
6 TO 7	.016 TO .008	.000
7 TO 8	.008 TO .004	.000
8 TO 9	.004 TO .002	.000
9 TO 10	.002 TO .001	.000
>10	<.001	.829

GRAVEL (>2.0 MM)	2.256
SAND (2.0-.063 MM)	96.630
SILT (.063-.004 MM)	.285
CLAY (<.004 MM)	.829

MEAN (MM)	.3377
MEAN (PHI)	1.566
STANDARD DEVIATION	1.304
SKEWNESS	.933
KURTOSIS	18.447

CALCIUM CARBONATE	7.200
ORGANIC CARBON	.043
NITROGEN (KJELDAHL)	.007
COLOR (GSA)	5Y6/2

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 0SEP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-01 LENGTH .0 ANALYZED 0NOV72
SAMPLE 5 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 5

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.118
-3 TO -2	8.000 TO 4.000	.575
-2 TO -1	4.000 TO 2.000	1.947
-1 TO 0	2.000 TO 1.000	3.253
0 TO 1	1.000 TO .500	21.087
1 TO 2	.500 TO .250	46.250
2 TO 3	.250 TO .125	25.085
3 TO 4	.125 TO .063	.745
4 TO 5	.063 TO .031	.013
5 TO 6	.031 TO .016	.000
6 TO 7	.016 TO .008	.000
7 TO 8	.008 TO .004	.000
8 TO 9	.004 TO .002	.000
9 TO 10	.002 TO .001	.000
>10	<.001	.928

GRAVEL (>2.0 MM)	2.639
SAND (2.0-.063 MM)	96.420
SILT (.063-.004 MM)	.013
CLAY (<.004 MM)	.928
MEAN (MM)	.3569
MEAN (PHI)	1.486
STANDARD DEVIATION	1.293
SKEWNESS	1.304
KURTOSIS	20.671
CALCIUM CARBONATE	9.000
ORGANIC CARBON	.041
NITROGEN (KJELDAHL)	.009
COLOR (GSA)	5Y6/2

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SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 05EP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-01 LENGTH .0 ANALYZED 0NOV72
SAMPLE 6 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 6

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.000
-3 TO -2	8.000 TO 4.000	.000
-2 TO -1	4.000 TO 2.000	.541
-1 TO 0	2.000 TO 1.000	.946
0 TO 1	1.000 TO .500	5.030
1 TO 2	.500 TO .250	13.007
2 TO 3	.250 TO .125	29.989
3 TO 4	.125 TO .063	17.063
4 TO 5	.063 TO .031	3.380
5 TO 6	.031 TO .016	1.622
6 TO 7	.016 TO .008	2.975
7 TO 8	.008 TO .004	2.975
8 TO 9	.004 TO .002	2.569
9 TO 10	.002 TO .001	1.893
>10	<.001	18.010

GRAVEL (>2.0 MM)	.541
SAND (2.0-.063 MM)	66.036
SILT (.063-.004 MM)	10.952
CLAY (<.004 MM)	22.472
MEAN (MM)	.0442
MEAN (PHI)	4.501
STANDARD DEVIATION	3.398
SKEWNESS	.411
KURTOSIS	-.781
CALCIUM CARBONATE	41.700
ORGANIC CARBON	.849
NITROGEN (KJELDAHL)	.085
COLOR (GSA)	5Y4/3

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 05EP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-01 LENGTH .0 ANALYZED 0NOV72
SAMPLE 7 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 7

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.000
-3 TO -2	8.000 TO 4.000	.000
-2 TO -1	4.000 TO 2.000	.534
-1 TO 0	2.000 TO 1.000	1.408
0 TO 1	1.000 TO .500	11.201
1 TO 2	.500 TO .250	37.569
2 TO 3	.250 TO .125	43.623
3 TO 4	.125 TO .063	3.415
4 TO 5	.063 TO .031	.453
5 TO 6	.031 TO .016	.162
6 TO 7	.016 TO .008	.000
7 TO 8	.008 TO .004	.000
8 TO 9	.004 TO .002	.000
9 TO 10	.002 TO .001	.000
>10	<.001	1.635

GRAVEL (>2.0 MM)	.534
SAND (2.0-.063 MM)	97.216
SILT (.063-.004 MM)	.615
CLAY (<.004 MM)	1.635
MEAN (MM)	.2473
MEAN (PHI)	2.016
STANDARD DEVIATION	1.384
SKEWNESS	1.772
KURTOSIS	20.825
CALCIUM CARBONATE	5.400
ORGANIC CARBON	.064
NITROGEN (KJELDAHL)	.014
COLOR (GSA)	5Y6/2

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 05EP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-01 LENGTH .0 ANALYZED 0N0V72
SAMPLE 8 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 8

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.000
-3 TO -2	8.000 TO 4.000	.510
-2 TO -1	4.000 TO 2.000	.813
-1 TO 0	2.000 TO 1.000	2.185
0 TO 1	1.000 TO .500	8.947
1 TO 2	.500 TO .250	34.195
2 TO 3	.250 TO .125	49.809
3 TO 4	.125 TO .063	2.456
4 TO 5	.063 TO .031	.032
5 TO 6	.031 TO .016	.000
6 TO 7	.016 TO .008	.000
7 TO 8	.008 TO .004	.000
8 TO 9	.004 TO .002	.000
9 TO 10	.002 TO .001	.000
>10	<.001	1.053

GRAVEL (>2.0 MM)	1.324
SAND (2.0-.063 MM)	97.592
SILT (.063-.004 MM)	.032
CLAY (<.004 MM)	1.053
MEAN (MM)	.2562
MEAN (PHI)	1.965
STANDARD DEVIATION	1.252
SKEWNESS	1.345
KURTOSIS	21.620
CALCIUM CARBONATE	9.800
ORGANIC CARBON	.038
NITROGEN (KJELDAHL)	.060
COLOR (GSA)	5Y5/2

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 0SEP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-0(LENGTH .0 ANALYZED 0NOV72
SAMPLE 9 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 9

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.000
-3 TO -2	8.000 TO 4.000	.000
-2 TO -1	4.000 TO 2.000	.353
-1 TO 0	2.000 TO 1.000	.635
0 TO 1	1.000 TO .500	11.901
1 TO 2	.500 TO .250	54.752
2 TO 3	.250 TO .125	30.429
3 TO 4	.125 TO .063	.846
4 TO 5	.063 TO .031	.014
5 TO 6	.031 TO .016	.000
6 TO 7	.016 TO .008	.000
7 TO 8	.008 TO .004	.000
8 TO 9	.004 TO .002	.000
9 TO 10	.002 TO .001	.000
>10	<.001	1.072

GRAVEL (>2.0 MM)	.353
SAND (2.0-.063 MM)	98.562
SILT (.063-.004 MM)	.014
CLAY (<.004 MM)	1.072
MEAN (MM)	.2920
MEAN (PHI)	1.776
STANDARD DEVIATION	1.143
SKEWNESS	2.281
KURTOSIS	33.936
CALCIUM CARBONATE	5.700
ORGANIC CARBON	.034
NITROGEN (KJELDAHL)	.006
COLOR (GSA)	5Y5/2

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 0SEP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-0/ LENGTH .0 ANALYZED 0NOV72
SAMPLE 10 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 10

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	2.277
-3 TO -2	8.000 TO 4.000	3.428
-2 TO -1	4.000 TO 2.000	.751
-1 TO 0	2.000 TO 1.000	1.376
0 TO 1	1.000 TO .500	10.558
1 TO 2	.500 TO .250	35.326
2 TO 3	.250 TO .125	14.936
3 TO 4	.125 TO .063	2.602
4 TO 5	.063 TO .031	1.826
5 TO 6	.031 TO .016	1.001
6 TO 7	.016 TO .008	1.751
7 TO 8	.008 TO .004	2.002
8 TO 9	.004 TO .002	2.877
9 TO 10	.002 TO .001	1.501
>10	<.001	17.788

GRAVEL (>2.0 MM)	6.455
SAND (2.0-.063 MM)	64.799
SILT (.063-.004 MM)	6.580
CLAY (<.004 MM)	22.167
MEAN (MM)	.0872
MEAN (PHI)	3.520
STANDARD DEVIATION	3.973
SKEWNESS	.366
KURTOSIS	-.634
CALCIUM CARBONATE	9.400
ORGANIC CARBON	.507
NITROGEN (KJELDAHL)	.063
COLOR (GSA)	5Y4/2

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 05EP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-01 LENGTH .0 ANALYZED 0NOV72
SAMPLE 11 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 11

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.000
-3 TO -2	8.000 TO 4.000	.026
-2 TO -1	4.000 TO 2.000	.104
-1 TO 0	2.000 TO 1.000	.208
0 TO 1	1.000 TO .500	1.298
1 TO 2	.500 TO .250	10.126
2 TO 3	.250 TO .125	76.139
3 TO 4	.125 TO .063	10.450
4 TO 5	.063 TO .031	.169
5 TO 6	.031 TO .016	1.233
6 TO 7	.016 TO .008	.000
7 TO 8	.008 TO .004	.000
8 TO 9	.004 TO .002	.000
9 TO 10	.002 TO .001	.000
>10	<.001	.247

GRAVEL (>2.0 MM)	.130
SAND (2.0-.063 MM)	98.221
SILT (.063-.004 MM)	1.402
CLAY (<.004 MM)	.247

MEAN (MM)	.1737
MEAN (PHI)	2.526
STANDARD DEVIATION	.758
SKEWNESS	1.504
KURTOSIS	33.372

CALCIUM CARBONATE	5.900
ORGANIC CARBON	.063
NITROGEN (KJELDAHL)	.013
COLOR (GSA)	5Y6/2

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 05EP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-01 LENGTH .0 ANALYZED 0NOV72
SAMPLE 12 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 12

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.000
-3 TO -2	8.000 TO 4.000	.400
-2 TO -1	4.000 TO 2.000	1.056
-1 TO 0	2.000 TO 1.000	1.664
0 TO 1	1.000 TO .500	5.071
1 TO 2	.500 TO .250	8.785
2 TO 3	.250 TO .125	51.480
3 TO 4	.125 TO .063	29.179
4 TO 5	.063 TO .031	.192
5 TO 6	.031 TO .016	.400
6 TO 7	.016 TO .008	.000
7 TO 8	.008 TO .004	.000
8 TO 9	.004 TO .002	.000
9 TO 10	.002 TO .001	.000
>10	<.001	1.824

GRAVEL (>2.0 MM)	1.456
SAND (2.0-.063 MM)	96.129
SILT (.063-.004 MM)	.592
CLAY (<.004 MM)	1.824

MEAN (MM)	.1590
MEAN (PHI)	2.653
STANDARD DEVIATION	1.479
SKEWNESS	1.024
KURTOSIS	13.382

CALCIUM CARBONATE	10.600
ORGANIC CARBON	.088
NITROGEN (KJELDAHL)	.044
COLOR (GSA)	5Y5/2

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 05EP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-01 LENGTH .0 ANALYZED 0NOV72
SAMPLE 13 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 13

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.000
-3 TO -2	8.000 TO 4.000	.322
-2 TO -1	4.000 TO 2.000	.242
-1 TO 0	2.000 TO 1.000	.403
0 TO 1	1.000 TO .500	1.531
1 TO 2	.500 TO .250	4.352
2 TO 3	.250 TO .125	29.942
3 TO 4	.125 TO .063	51.944
4 TO 5	.063 TO .031	1.310
5 TO 6	.031 TO .016	.201
6 TO 7	.016 TO .008	.806
7 TO 8	.008 TO .004	.504
8 TO 9	.004 TO .002	.604
9 TO 10	.002 TO .001	.806
>10	<.001	7.032

GRAVEL (>2.0 MM)	.564
SAND (2.0-.063 MM)	88.172
SILT (.063-.004 MM)	2.821
CLAY (<.004 MM)	8.442

MEAN (MM)	.0795
MEAN (PHI)	3.652
STANDARD DEVIATION	2.211
SKEWNESS	1.046
KURTOSIS	4.507

CALCIUM CARBONATE	11.400
ORGANIC CARBON	.286
NITROGEN (KJELDAHL)	.045
COLOR (GSA)	5Y5/2

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 0SEP72 LATITUDE 30 21.00 N MARSDEN SQUARE 117-01 LENGTH .0 ANALYZED 0NOV72
SAMPLE 15 DEPTH .0 LONGITUDE 81 18.00 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 14

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.234
-3 TO -2	8.000 TO 4.000	.613
-2 TO -1	4.000 TO 2.000	1.490
-1 TO 0	2.000 TO 1.000	2.059
0 TO 1	1.000 TO .500	9.172
1 TO 2	.500 TO .250	49.014
2 TO 3	.250 TO .125	34.511
3 TO 4	.125 TO .063	1.504
4 TO 5	.063 TO .031	1.256
5 TO 6	.031 TO .016	.146
6 TO 7	.016 TO .008	.000
7 TO 8	.008 TO .004	.000
8 TO 9	.004 TO .002	.000
9 TO 10	.002 TO .001	.000
>10	<.001	.000

GRAVEL (>2.0 MM)	2.337
SAND (2.0-.063 MM)	96.261
SILT (.063-.004 MM)	1.402
CLAY (<.004 MM)	.000
MEAN (MM)	.3067
MEAN (PHI)	1.705
STANDARD DEVIATION	.982
SKEWNESS	-.553
KURTOSIS	4.793
CALCIUM CARBONATE	8.600
ORGANIC CARBON	.046
NITROGEN (KJELDAHL)	.006
COLOR (GSA)	5Y5/2

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE MAYPT2 TAKEN 05EP72 LATITUDE 30 21.0 N MARSDEN SQUARE 117-01 LENGTH .0 ANALYZED 0NOV72
SAMPLE 16 DEPTH .0 LONGITUDE 81 18.0 W CORER TYPE EK PENETRATION .0

SUBSAMPLE ID. 437 15

DIAM (PHI)	DIAM (MM)	PERCENT
<-4	>16.000	.000
-4 TO -3	16.000 TO 8.000	.000
-3 TO -2	8.000 TO 4.000	.594
-2 TO -1	4.000 TO 2.000	.792
-1 TO 0	2.000 TO 1.000	1.927
0 TO 1	1.000 TO .500	8.051
1 TO 2	.500 TO .250	22.265
2 TO 3	.250 TO .125	55.655
3 TO 4	.125 TO .063	9.384
4 TO 5	.063 TO .031	.092
5 TO 6	.031 TO .016	.198
6 TO 7	.016 TO .008	.000
7 TO 8	.008 TO .004	.000
8 TO 9	.004 TO .002	.000
9 TO 10	.002 TO .001	.000
>10	<.001	1.043

GRAVEL (>2.0 MM)	1.386
SAND (2.0-.063 MM)	97.281
SILT (.063-.004 MM)	.290
CLAY (<.004 MM)	1.043

MEAN (MM)	.2203
MEAN (PHI)	2.182
STANDARD DEVIATION	1.294
SKEWNESS	1.035
KURTOSIS	17.127

CALCIUM CARBONATE	12.500
ORGANIC CARBON	.047
NITROGEN (KJELDAHL)	.011
COLOR (GSA)	5Y4/2