116-66

MGG09005049

MGG09005049
LABORATORY ITEM 469

709

A SUMMARY OF SEDIMENT SIZE AND CHEMISTRY OF 19 CORES FROM NORFOLK, VA. NAVY DIVERS. OCT-NOV 1973.

Prepared by: J. Bowman
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Prepared for: Code 6110

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Geological Laboratory
Nearshore Surveys Division
Oceanographic Surveys Department

NAVAL OCEANOGRAPHIC OFFICE
WASHINGTON, D.C. 20373

The results of the sediment size and composition analyses are printed out in tabular form.

The following is an explanation of the terms encountered on the data printout sheet:

CRUISE	A number assigned to each cruise for identification purposes.
SAMPLE	A consecutive number applied to each core taken successively throughout the cruise.
LATITUDE	Expressed in degrees, minutes, and tenths of minutes.
LONGITUDE	Expressed in degrees, minutes and tenths of minutes.
TAKEN	Date in day, month, and year that core was taken.
CORER TYPE	Letters corresponding to sampling device code below.

Corers		Grabs	
HYP	Hydroplastic piston	SPK	Shipek Sediment Sampler
HYG	Hydroplastic gravity	HLP	Alpine Heavy Duty Grab
KUP	Kullenberg piston	SMS	Small Mud Snapper
KUG	Kullenberg gravity	VVS	Van Veen Grab
PHL	Phlegar gravity	BED	Birge-Ekman Dredge
MEG	Modified Ewing gravity	DLS	Dietz-LaFond Snapper
MEP	Modified Ewing piston	OPG	Orange Peel Grab
VIB	Vibrocorer	SBS	Scoopfish Bottom Sampler
BOM	Boomerang	DOC	Diver Operated Corer
EWP	Ewing piston		
EWG	Ewing gravity		

LENGTH	Length of core recorded in centimeters as observed in the laboratory.
PENETRATION	Penetration of coring device recorded in centimeters as observed in the field.
DEPTH	The uncorrected sonic sounding in meters.
ANALYZED	Date in day, month, and year that core was analyzed in the laboratory.
I.D. No.	Three or four digit laboratory project number followed by consecutive number assigned to each subsample analyzed.
INTERVAL	Interval of subsample as measured in centimeters from the top of the core.
MM	Particle diameter size intervals based on Wentworth size grades in millimeters.
PER	Percent of total sample weight within the given size interval.

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GRAVEL, SAND SILT, CLAY — Percent of the total sample weight within the four size classes.

Class ranges are:

1. Gravel - coarser than 2 mm
2. Sand - 2 to 0.0625 mm
3. Silt - 0.0625 to 0.0039 mm
4. Clay - finer than 0.0039

MEAN (MM) — The geometric mean of the distribution expressed in millimeters.

MEAN (PHI) — The logarithmic mean of the distribution expressed in phi units ($-\log_2$) of the diameter in millimeters.

STAN DEV — Standard deviation. A measure of the degree of spread or dispersion of the distribution about the mean expressed in phi units.

$$s = \sqrt{\frac{\sum f \quad (X_i - \bar{X})^2}{100}}$$

SKEWNESS — A measure of the asymmetry of the distribution. Positive values denote skewness of the distribution toward the fine particles; negative values denote skewness toward the coarse particles. A normal distribution has a skewness of 0.

$$\text{Skewness} = \frac{2 \sum f \quad (X_i - X)^3}{100 \quad s^3}$$

KURTOSIS — A measure of the peakedness of the distribution. Positive values denote a "leptokurtic" distribution more "peaked" than normal. Negative values denote a "platykurtic" distribution, or a distribution more "flat" than normal. When using the following formula, a normal curve has a kurtosis of 0.

$$\text{Kurtosis} = \left[\frac{\sum f \quad (X_i - \bar{X})^4}{100 \quad s^4} \right] - 3$$

$CACO_3$ — Percent of the total sample weight soluble in 2 N HCL.

ORG CARBON — Percent organic carbon of the total sample weight as determined using a Leco carbon analyzer.

COLOR — Wet sediment color, based on the Geological Society of America Rock-Color Chart, as determined in the laboratory.

NITROGEN — Percent nitrogen of the total sample weight as determined by the Kjeldahl method.

LOG FOR CORE SAMPLES

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Project No: 469
Location: Norfolk

Logged By J.C. Bowman
Date Logged 16 May 74

	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-8 Lat: 76° 20' N Long: 36° 57' W Date: Water depth:	469-6	Black N1	No*	Silt	0"-12" (0-30 cm) Oil odor
Sample No: Lat: Long: Date: Water depth:	469-7	Black N1	No*	Clayey Silt	12"-28" (30-71 cm) Oil odor
Sample No: Lat: Long: Date: Water depth:	469-8	Grayish Olive 10Y4/2	Yes	Silty Sand	28"-44" (71-112 cm) Shell fragments
Sample No: Lat: Long: Date: Water depth:					*Suspect black color is masking visual presence of shell fragments.
Sample No: Lat: Long: Date: Water depth:					
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Sample No: Lat: Long: Date:					

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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-12 Lat: 76° 20'N Long: 36° 57'W Date: Water depth:	469-9	Black N1	No*	Silt	0"-12" (0-30 cm) Decaying organic matter odor
Sample No: Lat: Long: Date: Water depth:	469-10	Black N1	No*	Silt	12"-38" (30-97cm) Oil odor
Sample No: Lat: Long: Date: Water depth:	469-11	Black N1	No*	Silt	38"-64" (97-163cm)
Sample No: Lat: Long: Date: Water depth:					*Suspect black color is masking visual presence of shell fragments
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-13 Lat: 76°20'N Long: 36° 57'W Date: Water depth:	469-13	Olive black 5Y2/1	Yes	Sand	0"-12" (0-30 cm) Shell fragments
Sample No: Lat: Long: Date: Water depth:	469-13	Black N1	Yes	Sand	12"-37" (30-94 cm) Shell fragments Strong Oil odor
Sample No: Lat: Long: Date: Water depth:	469-14	Black N1	No.*	Sandy Silt	37"-63" (94-160 cm) H_2S odor
Sample No: Lat: Long: Date: Water depth:					*Suspect black color is masking visual presence of shell fragments
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
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Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long:					

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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-14 Lat: 76° 20' N Long: 36° 57' W Date: Water depth:	469-15	Olive black 5Y 2/1	Yes	Sand	0"-12" (0-30 cm) "Fishy" odor Shell fragments
Sample No: Lat: Long: Date: Water depth:	469-16	Greenish black 5G 2/1	Yes	Sand	12"-39" (30-99 cm) Shell fragments
Sample No: Lat: Long: Date: Water depth:	469-17	Black N1	Yes	Sandy Silt	39"-66" (99-168 cm) Shell fragments Oil odor
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long:					

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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-16 Lat: 76° 20' N Long: 36° 57' W Date: Water depth:	469-19	Black N1	No	Silt	0"-12" (0-30 cm) Decaying Organic Matter odor
Sample No: Lat: Long: Date: Water depth:	469-20	Black N1	No	Silt	12"-42" (30-107cm)
Sample No: Lat: Long: Date: Water depth:	469-21	Black N1	No	Silt	42"-73"-(107-185cm)
Sample No: Lat: Long: Date: Water depth:					Suspect black Color is masking Presence of Shell fragments.
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
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Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date:					

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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-18 Lat: 76°20'N Long: 36°57'W Date: Water depth:	469-22	Black N1	No	Silt	0"-12" (0-30 cm) Ammonia Odor
Sample No: Lat: Long: Date: Water depth:	469-23	Olive gray 5Y5/1	No	Silty Clay	12"-30" (30-76cm) Sample Very dry
Sample No: Lat: Long: Date: Water depth:	469-24	Olive gray 5Y5/1	No	Silty Clay	30"-49" (76-124cm) Sample Very dry
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
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Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long:					

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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-19 Lat: 76° 20' N Long: 36° 57' W Date: Water depth:	469-25	Black N1	No	Silt	0"-12" (0-30 cm) Ammonia odor Oil Slicks
Sample No: Lat: Long: Date: Water depth:	469-26	Black N1	No	Silt	12"-46" (30-117 cm) Oil Slicks
Sample No: Lat: Long: Date: Water depth:	469-27	Black N1	No	Silt	46"-81" (117-206 cm) Oil Slicks Oil odor. Plant fragments
Sample No: Lat: Long: Date: Water depth:					Suspect black Color is Masking Visual Presence of Shell fragments.
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-21 Lat: 76° 20' N Long: 36° 57' W Date: Water depth:	469-28	Black N1	No	Silt	0"-12" (0-30 cm)
Sample No: Lat: Long: Date: Water depth:	469-29	Black N1	No	Silt	12"-37" (30-94 cm) Oil Slicks
Sample No: Lat: Long: Date: Water depth:	469-30	Black N1	No	Silt	37"-63" (94-160 cm)
Sample No: Lat: Long: Date: Water depth:					Suspect black color is masking presence of shell fragments.
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					

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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-23 Lat: 76°20'N Long: 36°57'W Date: Water depth:	469-34	Grayish black N2	Yes	Sandy Silt	0"-12" (0-30 cm) Shell fragments
Sample No: Lat: Long: Date: Water depth:	469-35	Medium Gray N4	Yes	Sand	12"-25" (30-64cm) Shell fragments
Sample No: Lat: Long: Date: Water depth:	469-36	Medium Gray N4	Yes	Sand	25"-39" (64-99cm) Shell fragments
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-24 Lat: 76°20'N Long: 36°57'W Date: Water depth:	469-37	Black N1	No	Silt	0"-12" (0-30 cm) Oil Slicks
Sample No: Lat: Long: Date: Water depth:	469-38	Black N1	No	Silt	12"-46" (30-117cm)
Sample No: Lat: Long: Date: Water depth:	469-39	Black N1	No	Silt	46"-80" (117-203cm)
Sample No: Lat: Long: Date: Water depth:					Suspect black Color is masking Visual Presence of Shell fragments.
Sample No: Lat: Long: Date: Water depth:					
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Sample No: Lat: Long:					

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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-1 Lat: 76° 20'N Long: 36° 57'W Date: Water depth:	469-40	Black N1	No*	Silt	0"-12" (0-30 cm)
Sample No: Lat: Long: Date: Water depth:	469-1	Black N1	No*	Silt	12"-41" (30-104 cm) Oil odor
Sample No: Lat: Long: Date: Water depth:	469-41	Moderate Yellowish Orange 10YR5/6	No	Sandy Silt	41"-70" (104-178 cm)
Sample No: Lat: Long: Date: Water depth:					*Suspect black color is masking visual presence of shell fragments.
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-2 Lat: 76° 20' N Long: 36° 57' W Date: Water depth:	469-2	Olive black 5Y2/1	No*	Silty Clay	0"-12" (0-30cm) Slight decaying organic matter odor
Sample No: Lat: Long: " Date: Water depth:	469-43	Black N1	No*	Silt	12"-55" (30-140cm)
Sample No: Lat: " Long: Date: Water depth:	469-44	Dark greenish grayish black 5GY3/1	Yes	Sandy Silt	55"-91" (140-251cm) Shell fragments
Sample No: Lat: Long: Date: Water depth:					*Suspect black color is masking presence of shell fragments.
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-3 Lat: 76° 20' N Long: 36° 57' W Date: Water depth:	469-45	Black N1	No *	Silt	0"-12" (0-30cm) Oil Slicks Oil odor
Sample No: Lat: Long: Date: Water depth:	469-3	Greenish black 5G2/1	No *	Silty Clay	12"-35" (30-89cm) Oil odor Plant fragments
Sample No: Lat: Long: Date: Water depth:	469-4	Medium olive gray 5Y4/3	No	Sandy Silt	35"-58" (89-147cm) Plant fragments
Sample No: Lat: Long: Date: Water depth:					* Suspect black color is masking visual presence of shell fragments.
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-5 Lat: 76° 20' N Long: 36° 57' W Date: Water depth:	469-5	Black N1	No *	Silty-Clay	0"-12" (0-30 cm) Oil odor
Sample No: Lat: Long: Date: Water depth:	469-46	Black N1	No*	Silt	12"-38" (30-97cm)
Sample No: Lat: Long: Date: Water depth:	469-47	Dark Yellowish Orange 10YR 3/6	Yes	Silty Sand	38"-64" (97-163 cm) Shell fragments
Sample No: Lat: Long: Date: Water depth:					*Suspect black color is masking visual presence of shell fragments.
Sample No: Lat: Long: Date: Water depth:					
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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-6 Lat: 76° 20'N Long: 36° 57'W Date: Water depth:	469-48	Black N1	No*	Silt	0"-12" (0-30 cm) Oil odor Oil slicks
Sample No: Lat: Long: Date: Water depth:	469-49	Black N1	Yes	Sandy Silt	12"-59" (30-74 cm) Shell fragments
Sample No: Lat: Long: Date: Water depth:	469-50	Greenish black 5G2/1	No*	Silt	29"-46" (74-117 cm)
Sample No: Lat: Long: Date: Water depth:					*Suspect black color is masking visual presence of shell fragments.
Sample No: Lat: Long: Date: Water depth:					
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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-7 Lat: 76° 20' (N) Long: 36° 57' (W) Date: Water depth:	469-51	Black N1	No*	Silt	0"-12" (0-30 cm) Oil Slicks
Sample No: Lat: Long: Date: Water depth:	469-52	Grayish black N2	Yes	Silt	12"-42" (30-107 cm) Shell fragments
Sample No: Lat: Long: Date: Water depth:	469-53	Dark grayish olive gray 5GY3/1	Yes	Sandy Silt	42"-73" (107-185 cm) Shell fragments
Sample No: Lat: Long: Date: Water depth:					*Suspect black Color is Masking Visual Presence of Shell fragments
Sample No: Lat: Long: Date: Water depth:					
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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-9 Lat: 76°20'N Long: 36°57'W Date: Water depth:	469-54	Black N1	No*	Silt	0"-12" (0-30cm) Decaying organic matter odor Oil sticks
Sample No: Lat: Long: Date: Water depth:	469-55	Black N1.	No*	Silt	12"-47" (30-119 cm)
Sample No: Lat: Long: Date: Water depth:	469-56	Dark gray N2	Yes	Silt	47"-82" (119-208 cm) Oil odor
Sample No: Lat: Long: Date: Water depth:					*Suspect black color is masking visual presence of shell fragments
Sample No: Lat: Long: Date: Water depth:					
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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-10 Lat: 76°20'N Long: 36°57'W Date: Water depth:	469-57	Dark gray N2	Yes	Silt	0"-12" (0-30 cm) Large Shell fragments
Sample No: Lat: Long: Date: Water depth:	469-58	Black N1	No*	Silt	12"-39" (30-99 cm) Bag Contains one large rock
Sample No: Lat: Long: Date: Water depth:	469-59	Black N1	No*	Silt	39"-66" (99-168 cm) Bag Contains numerous Small rocks.
Sample No: Lat: Long: Date: Water depth:					*Suspect black Color is masking Visual Presence of Shell fragments.
Sample No: Lat: Long: Date: Water depth:					
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	La No.	Color	Calc. Mat.	Sediment Type	Remarks
Sample No: N2-15 Lat: 76°20'N Long: 36°57'W Date: Water depth:	469-60	Black N1	No*	Silt	0"-12" (0-30 cm) Oil Slicks
Sample No: Lat: Long: Date: Water depth:	469-18	Black N1	No*	Silt	12"-33" (30-84 cm)
Sample No: Lat: Long: Date: Water depth:	469-61	Light olive gray 5Y5/2	No	Clayey Silt	33"-54" (84-137 cm) Sample is very dry
Sample No: Lat: Long: Date: Water depth:					*Suspect black Color is masking visual presence of Shell fragments.
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
Sample No: Lat: Long: Date: Water depth:					
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Lat-Long. reversed

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 178.0 ANALYZED 0JUN74
SAMPLE N2-1 DEPTH .0 LONGITUDE 36 57.00 W CORER TYPE DOC PENETRATION .0

DIAM (PHI)	DIAM (MM)	SUBSAMPLE ID. 469 40 DEPTH INTERVAL .0- 30.0 PERCENT	469 1 30.0-104.0 PERCENT	469 41 104.0-178.0 PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	.000
-2 TO -1	4.000 TO 2.000	1.442	.752	.000
-1 TO 0	2.000 TO 1.000	.833	.632	.000
0 TO 1	1.000 TO .500	.589	1.135	.078
1 TO 2	.500 TO .250	.790	2.303	1.465
2 TO 3	.250 TO .125	3.655	14.158	62.501
3 TO 4	.125 TO .063	2.436	7.817	17.389
4 TO 5	.063 TO .031	2.048	.555	2.027
5 TO 6	.031 TO .016	4.247	.000	2.385
6 TO 7	.016 TO .008	4.346	.135	.924
7 TO 8	.008 TO .004	8.659	1.078	1.620
8 TO 9	.004 TO .002	6.881	.877	.384
9 TO 10	.002 TO .001	9.515	.337	.855
>10	<.001	54.557	70.220	10.374
	GRAVEL (>2.0 MM)	1.442	.752	.000
	SAND (2.0-.063 MM)	8.304	26.045	81.432
	SILT (.063-.004 MM)	19.301	1.768	6.956
	CLAY (<.004 MM)	70.954	71.435	11.612
	MEAN (MM)	.0025	.0033	.0718
	MEAN (PHI)	8.641	8.248	3.800
	STANDARD DEVIATION	2.834	3.609	2.558
	SKEWNESS	-.856	-.543	.977
	KURTOSIS	2.327	-.600	2.273
	ORGANIC CARBON	1.425	3.272	.146
	NITROGEN (KJELDAHL)	.304	.201	.059
	COLOR (GSA)	N1	N1	10YR5/6

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SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 251.0 ANALYZED 0JUN74
SAMPLE N2-2 DEPTH .0 LONGITUDE 36 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 2	469 43	469 44
	DEPTH INTERVAL	.0- 30.0	30.0-140.0	140.0-251.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	1.393
-2 TO -1	4.000 TO 2.000	.000	.000	.554
-1 TO 0	2.000 TO 1.000	.000	.231	.350
0 TO 1	1.000 TO .500	.060	.203	1.894
1 TO 2	.500 TO .250	.252	.240	2.912
2 TO 3	.250 TO .125	2.207	5.558	5.271
3 TO 4	.125 TO .063	6.355	11.681	5.323
4 TO 5	.063 TO .031	1.891	.565	.955
5 TO 6	.031 TO .016	1.562	23.786	5.743
6 TO 7	.016 TO .008	20.302	7.866	8.449
7 TO 8	.008 TO .004	12.534	8.007	8.658
8 TO 9	.004 TO .002	5.715	1.550	4.224
9 TO 10	.002 TO .001	3.840	2.680	2.579
>10	<.001	45.282	37.634	48.094
	GRAVEL (>2.0 MM)	.000	.000	1.947
	SAND (2.0-.063 MM)	8.873	17.912	18.351
	SILT (.063-.004 MM)	36.290	40.224	24.805
	CLAY (<.004 MM)	54.837	41.863	54.897
	MEAN (MM)	.0031	.0062	.0050
	MEAN (PHI)	8.318	7.335	7.650
	STANDARD DEVIATION	2.396	2.856	3.449
	SKEWNESS	-.380	-.097	-.493
	KURTOSIS	-.428	-1.301	-.053
	ORGANIC CARBON	1.080	1.298	.668
	NITROGEN (KJELDAHL)	.123	.122	.083
	COLOR (GSA)	5Y2/1	N1	5GY3/1

MGG09005049

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 147.0 ANALYZED 0JUN74
SAMPLE N2-3 DEPTH .0 LONGITUDE 35 57.00 W CORER TYPE DOC PENETRATION .0

DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
SUBSAMPLE ID.		46945	469 3	469 4
DEPTH INTERVAL		.0- 30.0	30.0- 89.0	89.0-147.0
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	.000
-2 TO -1	4.000 TO 2.000	1.837	.634	.765
-1 TO 0	2.000 TO 1.000	.804	.283	.933
0 TO 1	1.000 TO .500	.328	.908	4.229
1 TO 2	.500 TO .250	1.423	1.697	15.625
2 TO 3	.250 TO .125	3.427	1.894	15.625
3 TO 4	.125 TO .063	4.002	1.980	2.180
4 TO 5	.063 TO .031	.427	.441	.084
5 TO 6	.031 TO .016	.526	4.285	1.901
6 TO 7	.016 TO .008	4.750	8.612	6.088
7 TO 8	.008 TO .004	6.309	14.097	5.938
8 TO 9	.004 TO .002	8.165	9.341	3.689
9 TO 10	.002 TO .001	5.991	5.184	19.013
>10	<.001	61.421	50.645	23.932
	GRAVEL (>2.0 MM)	1.837	.634	.765
	SAND (2.0-.063 MM)	10.583	6.761	38.590
	SILT (.063-.004 MM)	12.012	27.435	14.011
	CLAY (<.004 MM)	75.558	65.170	46.634
	MEAN (MM)	.0023	.0026	.0128
	MEAN (PHI)	8.762	8.612	6.288
	STANDARD DEVIATION	2.972	2.542	3.847
	SKEWNESS	-.935	-.785	-.142
	KURTOSIS	2.618	2.326	-1.595
	ORGANIC CARBON	3.971	5.848	.316
	NITROGEN (KJELDAHL)	.299	.217	.088
	COLOR (GSA)	N1	5G2/1	5Y4/3

MGG09005049

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 8OCT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 163.0 ANALYZED 8JUN74
SAMPLE N2-5 DEPTH .0 LONGITUDE 36 57.00 W CORER TYPE 8OC PENETRATION .0

DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
SUBSAMPLE ID.		469 5	469 46	469 47
DEPTH INTERVAL		.0- 30.0	30.0- 97.0	97.0-163.0
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	3.960	.000
-3 TO -2	8.000 TO 4.000	.000	1.373	.000
-2 TO -1	4.000 TO 2.000	10.480	.621	1.447
-1 TO 0	2.000 TO 1.000	3.601	1.415	4.808
0 TO 1	1.000 TO .500	3.220	4.388	7.950
1 TO 2	.500 TO .250	6.302	32.707	61.211
2 TO 3	.250 TO .125	3.076	16.952	17.899
3 TO 4	.125 TO .063	1.365	3.818	1.519
4 TO 5	.063 TO .031	.288	.268	.021
5 TO 6	.031 TO .016	7.743	3.590	.064
6 TO 7	.016 TO .008	7.951	.906	.210
7 TO 8	.008 TO .004	7.311	4.957	.659
8 TO 9	.004 TO .002	5.546	.744	.119
9 TO 10	.002 TO .001	5.438	.937	.162
>10	<.001	37.779	23.362	3.831
GRAVEL (>2.0 MM)		10.480	5.955	1.447
SAND (2.0-.063 MM)		17.564	59.281	93.488
SILT (.063-.004 MM)		23.193	9.721	.954
CLAY (<.004 MM)		48.763	25.043	4.111
MEAN (MM)		.0110	.0573	.2660
MEAN (PHI)		6.512	4.126	1.911
STANDARD DEVIATION		4.329	4.158	2.010
SKEWNESS		-.356	.222	1.557
KURTOSIS		-.976	-.991	10.942
ORGANIC CARBON		1.212	.680	.094
NITROGEN (KJELDAHL)		.172	.069	.019
COLOR (ESA)		N1	N1	10YR3/6

MGG09005049

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 117.0 ANALYZED 0JUN74
SAMPLE N2-6 DEPTH .0 LONGITUDE 36 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 48	469 49	469 50
	DEPTH INTERVAL	.0- 30.0	30.0- 74.0	74.0-117.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	1.236
-2 TO -1	4.000 TO 2.000	.000	.173	4.843
-1 TO 0	2.000 TO 1.000	.387	.093	18.140
0 TO 1	1.000 TO .500	.594	.427	28.251
1 TO 2	.500 TO .250	.613	.676	17.885
2 TO 3	.250 TO .125	.811	.560	4.843
3 TO 4	.125 TO .063	.377	.463	1.372
4 TO 5	.063 TO .031	.000	.201	.047
5 TO 6	.031 TO .016	6.655	4.389	.654
6 TO 7	.016 TO .008	12.255	8.295	1.449
7 TO 8	.008 TO .004	.801	9.342	.675
8 TO 9	.004 TO .002	9.427	7.570	.225
9 TO 10	.002 TO .001	7.278	5.799	.157
>10	<.001	60.803	62.012	20.222
	GRAVEL (>2.0 MM)	.000	.173	6.079
	SAND (2.0-.063 MM)	2.781	2.219	70.492
	SILT (.063-.004 MM)	19.712	22.228	2.825
	CLAY (<.004 MM)	77.508	75.381	20.604
	MEAN (MM)	.0018	.0017	.1573
	MEAN (PHI)	9.143	9.235	2.725
	STANDARD DEVIATION	2.137	2.005	4.189
	SKEWNESS	-.877	-.932	.562
	KURTOSIS	3.085	4.027	-.392
	ORGANIC CARBON	.986	1.273	.604
	NITROGEN (KJELDAHL)	.290	.272	.052
	COLOR (GSA)	N1	N1	5G2/1

MGG09005049

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 76 20.00 N MARSDEN SQUARE 115-66 LENGTH 185.0 ANALYZED 0JUN74
SAMPLE N2-7 DEPTH .0 LONGITUDE 36 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 51	469 52	469 53
	DEPTH INTERVAL	.0- 30.0	30.0-107.0	107.0-185.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	2.256	.000
-3 TO -2	8.000 TO 4.000	.824	.430	3.225
-2 TO -1	4.000 TO 2.000	.982	1.405	8.393
-1 TO 0	2.000 TO 1.000	1.824	9.057	26.260
0 TO 1	1.000 TO .500	2.757	15.929	28.421
1 TO 2	.500 TO .250	3.355	8.884	10.977
2 TO 3	.250 TO .125	8.175	10.654	7.329
3 TO 4	.125 TO .063	3.276	3.644	2.634
4 TO 5	.063 TO .031	.476	.729	.399
5 TO 6	.031 TO .016	.000	2.467	1.044
6 TO 7	.016 TO .008	11.469	5.934	3.935
7 TO 8	.008 TO .004	20.376	6.975	2.634
8 TO 9	.004 TO .002	18.302	3.085	.682
9 TO 10	.002 TO .001	17.814	.857	.064
>10	<.001	10.371	27.693	4.002
	GRAVEL (>2.0 MM)	1.806	4.091	11.618
	SAND (2.0-.063 MM)	19.388	48.168	75.621
	SILT (.063-.004 MM)	32.321	16.106	8.011
	CLAY (<.004 MM)	46.486	31.635	4.749
	MEAN (MM)	.0080	.0364	.4183
	MEAN (PHI)	6.971	4.779	1.257
	STANDARD DEVIATION	3.102	4.441	2.912
	SKEWNESS	-.573	.045	.871
	KURTOSIS	.393	-1.489	2.594
	ORGANIC CARBON	1.321	.917	.307
	NITROGEN (KJELDAHL)	.300	.148	.027
	COLOR (GSA)	N1	N2	5GY3/1

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SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 76 20.00 N MARSDEN SQUARE 115-66 LENGTH 112.0 ANALYZED 0JUN74
SAMPLE N2-8 DEPTH .0 LONGITUDE 35 57.00 W CORER TYPE DOC PENETRATION .0

DIAM (PHI)	DIAM (MM)	SUBSAMPLE ID. 469 6 DEPTH INTERVAL .0- 30.0 PERCENT	469 7 30.0- 71.0 PERCENT	469 8 71.0-112.0 PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	.000
-2 TO -1	4.000 TO 2.000	.090	1.001	5.263
-1 TO 0	2.000 TO 1.000	.342	2.197	12.635
0 TO 1	1.000 TO .500	.586	3.125	18.040
1 TO 2	.500 TO .250	.686	2.759	11.331
2 TO 3	.250 TO .125	2.428	8.692	15.171
3 TO 4	.125 TO .063	1.102	2.661	4.243
4 TO 5	.063 TO .031	.167	.234	1.408
5 TO 6	.031 TO .016	4.755	4.429	1.920
6 TO 7	.016 TO .008	8.171	6.837	6.946
7 TO 8	.008 TO .004	8.606	6.837	7.918
8 TO 9	.004 TO .002	7.467	5.762	1.683
9 TO 10	.002 TO .001	8.606	4.239	1.235
>10	<.001	56.994	51.226	12.208
	GRAVEL (>2.0 MM)	.090	1.001	5.263
	SAND (2.0-.063 MM)	5.143	19.435	61.420
	SILT (.063-.004 MM)	21.699	18.337	18.191
	CLAY (<.004 MM)	73.067	61.227	15.126
	MEAN (MM)	.0020	.0044	.0946
	MEAN (PHI)	8.992	7.824	3.402
	STANDARD DEVIATION	2.285	3.513	3.793
	SKEWNESS	-.867	-.532	.343
	KURTOSIS	2.806	-.224	-.867
	ORGANIC CARBON	1.546	1.210	.603
	NITROGEN (KJELDAHL)	.293	.256	.045
	COLOR (GSA)	N1	N1	10YR/2

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SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 75 20.00 N MARSDEN SQUARE 116-66 LENGTH 208.0 ANALYZED 0JUN74
SAMPLE N2-9 DEPTH .0 LONGITUDE 35 57.00 W CORER TYPE 00C PENETRATION .0

	SUBSAMPLE ID.	469 54	469 55	469 56
	DEPTH INTERVAL	.0- 30.0	30.0-119.0	119.0-208.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	.000
-2 TO -1	4.000 TO 2.000	.115	.000	.055
-1 TO 0	2.000 TO 1.000	.255	.130	.555
0 TO 1	1.000 TO .500	.520	.492	4.983
1 TO 2	.500 TO .250	.929	.635	19.420
2 TO 3	.250 TO .125	2.968	2.453	48.967
3 TO 4	.125 TO .063	1.249	1.100	8.501
4 TO 5	.063 TO .031	.215	1.899	.125
5 TO 6	.031 TO .016	5.147	3.963	2.968
6 TO 7	.016 TO .008	6.347	6.661	2.189
7 TO 8	.008 TO .004	7.196	9.941	1.840
8 TO 9	.004 TO .002	7.436	7.003	.995
9 TO 10	.002 TO .001	5.397	7.584	.349
>10	<.001	62.156	58.140	9.052
	GRAVEL (>2.0 MM)	.115	.000	.055
	SAND (2.0-.063 MM)	5.922	4.810	82.426
	SILT (.063-.004 MM)	18.905	22.464	7.122
	CLAY (<.004 MM)	75.059	72.727	10.396
	MEAN (MM)	.0019	.0019	.0980
	MEAN (PHI)	9.054	9.013	3.352
	STANDARD DEVIATION	2.355	2.248	2.686
	SKEWNESS	-.891	-.811	.889
	KURTOSIS	2.692	2.129	2.067
	ORGANIC CARBON	1.564	1.628	.630
	NITROGEN (KJELDAHL)	.272	.296	.044
	COLOR (GSA)	N1	N1	N2

MGG09005049

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN OCCT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 168.0 ANALYZED 0JUN74
SAMPLE N2-10 DEPTH .0 LONGITUDE 35 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 57	469 58	469 59
	DEPTH INTERVAL	.0- 30.0	30.0- 99.0	99.0-168.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	6.056
-4 TO -3	16.000 TO 8.000	13.005	6.563	5.432
-3 TO -2	8.000 TO 4.000	6.004	7.138	3.028
-2 TO -1	4.000 TO 2.000	6.289	5.484	1.209
-1 TO 0	2.000 TO 1.000	10.157	5.304	1.891
0 TO 1	1.000 TO .500	8.662	3.380	1.648
1 TO 2	.500 TO .250	6.716	2.805	2.193
2 TO 3	.250 TO .125	6.835	3.955	6.495
3 TO 4	.125 TO .063	2.610	1.978	2.270
4 TO 5	.063 TO .031	.216	.124	.257
5 TO 6	.031 TO .016	1.248	3.146	4.299
6 TO 7	.016 TO .008	4.056	2.427	6.818
7 TO 8	.008 TO .004	3.441	7.174	6.356
8 TO 9	.004 TO .002	2.990	6.580	6.749
9 TO 10	.002 TO .001	.266	4.747	6.079
>10	<.001	27.504	39.195	39.222
	GRAVEL (>2.0 MM)	25.297	19.184	15.724
	SAND (2.0-.063 MM)	34.979	17.422	14.496
	SILT (.063-.004 MM)	8.963	12.872	17.730
	CLAY (<.004 MM)	30.750	50.522	52.050
	MEAN (MM)	.0932	.0191	.0140
	MEAN (PHI)	3.423	5.710	6.154
	STANDARD DEVIATION	5.304	5.256	5.137
	SKEWNESS	.113	-.292	-.465
	KURTOSIS	-1.524	-1.319	-.572
	ORGANIC CARBON	.050	.006	.019
	NITROGEN (KJELDAHL)	.254	.275	.224
	COLOR (GSA)	N2	N1	N1

MGG09005049

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 163.0 ANALYZED 0JUN74
SAMPLE N2-12 DEPTH .0 LONGITUDE 36 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 9	469 10	469 11
	DEPTH INTERVAL	.0- 30.0	12.0- 38.0	97.0-163.0
PHI	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	.000
-2 TO -1	4.000 TO 2.000	1.512	5.422	.143
-1 TO 0	2.000 TO 1.000	1.422	.957	.245
0 TO 1	1.000 TO .500	2.117	.901	.352
1 TO 2	.500 TO .250	2.903	1.272	.384
2 TO 3	.250 TO .125	3.544	1.220	.412
3 TO 4	.125 TO .063	2.447	1.100	.444
4 TO 5	.063 TO .031	.923	.510	.250
5 TO 6	.031 TO .016	5.107	6.858	4.239
6 TO 7	.016 TO .008	8.603	9.330	9.857
7 TO 8	.008 TO .004	8.486	9.330	7.636
8 TO 9	.004 TO .002	7.896	8.014	8.238
9 TO 10	.002 TO .001	5.382	2.934	6.572
>10	<.001	49.656	52.151	61.227
GRAVEL	(>2.0 MM)	1.512	5.422	.143
SAND	(2.0-.063 MM)	12.434	5.450	1.837
SILT	(.063-.004 MM)	23.119	26.028	21.983
CLAY	(<.004 MM)	62.935	63.100	76.037
MEAN (MM)		.0036	.0035	.0017
MEAN (PHI)		8.113	8.149	9.241
STANDARD DEVIATION		3.203	3.357	1.968
SKEWNESS		-.666	-.807	-.919
KURTOSIS		.814	1.865	4.085
ORGANIC CARBON		4.778	6.101	3.380
NITROGEN (KJELDAHL)		.073	.105	.275
COLOR (GSA)		N1	N1	N1

MGG09005049

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 160.0 ANALYZED 0JUN74
SAMPLE N2-13 DEPTH .0 LONGITUDE 36 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 12	463 13	469 14
	DEPTH INTERVAL	.0- 30.0	30.0- 94.0	94.0-160.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	.000
-2 TO -1	4.000 TO 2.000	1.047	1.102	1.499
-1 TO 0	2.000 TO 1.000	2.001	1.569	1.118
0 TO 1	1.000 TO .500	5.989	5.322	4.041
1 TO 2	.500 TO .250	56.491	49.537	49.214
2 TO 3	.250 TO .125	27.457	29.276	18.522
3 TO 4	.125 TO .063	2.785	3.489	5.820
4 TO 5	.063 TO .031	.518	1.063	5.427
5 TO 6	.031 TO .016	.007	1.322	.769
6 TO 7	.016 TO .008	.207	1.280	1.896
7 TO 8	.008 TO .004	.249	1.328	2.633
8 TO 9	.004 TO .002	.108	.696	1.921
9 TO 10	.002 TO .001	.108	.380	.744
>10	<.001	3.032	3.636	5.397
	GRAVEL (>2.0 MM)	1.047	1.102	1.499
	SAND (2.0-.063 MM)	94.723	89.193	78.714
	SILT (.063-.004 MM)	.981	4.993	10.725
	CLAY (<.004 MM)	3.248	4.712	9.062
	MEAN (MM)	.2450	.1922	.1331
	MEAN (PHI)	2.029	2.380	2.910
	STANDARD DEVIATION	1.763	2.123	2.699
	SKEWNESS	1.723	1.251	.854
	KURTOSIS	14.356	6.668	2.112
	ORGANIC CARBON	4.242	5.488	5.165
	NITROGEN (KJELDAHL)	.073	.105	.108
	COLOR (GSA)	5Y2/1	N1	N1

MGG09005049

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 0OCT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 168.0 ANALYZED 0JUN74
SAMPLE N2-14 DEPTH .0 LONGITUDE 36 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 15	469 16	469 17
	DEPTH INTERVAL	.0- 30.0	30.0- 99.0	99.0-168.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	.000
-2 TO -1	4.000 TO 2.000	.787	.413	.125
-1 TO 0	2.000 TO 1.000	1.086	.301	.394
0 TO 1	1.000 TO .500	3.526	2.546	3.286
1 TO 2	.500 TO .250	35.496	40.535	18.658
2 TO 3	.250 TO .125	46.822	42.452	55.013
3 TO 4	.125 TO .063	7.823	7.472	13.893
4 TO 5	.063 TO .031	.960	.199	1.737
5 TO 6	.031 TO .016	.701	.541	1.101
6 TO 7	.016 TO .008	.259	.267	.769
7 TO 8	.008 TO .004	.656	.374	.582
8 TO 9	.004 TO .002	.518	.225	.396
9 TO 10	.002 TO .001	.091	.199	.146
>10	<.001	1.280	4.477	3.901
	GRAVEL (>2.0 MM)	.782	.413	.125
	SAND (2.0-.063 MM)	94.753	93.305	91.244
	SILT (.063-.004 MM)	2.576	1.381	4.189
	CLAY (<.004 MM)	1.889	4.901	4.443
	MEAN (MM)	.2014	.1734	.1393
	MEAN (PHI)	2.312	2.528	2.843
	STANDARD DEVIATION	1.456	1.978	1.882
	SKEWNESS	1.473	1.531	1.410
	KURTOSIS	14.162	9.688	8.823
	ORGANIC CARBON	2.026	5.504	7.424
	NITROGEN (KJELDAHL)	.033	.093	.143
	COLOR (GSA)	5Y2/1	5G2/1	N1

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SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 137.0 ANALYZED 0JUN74
SAMPLE N2-15 DEPTH .0 LONGITUDE 35 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 60	469 18	469 61
	DEPTH INTERVAL	.0- 30.0	30.0- 84.0	84.0-137.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	.000
-2 TO -1	4.000 TO 2.000	1.393	.317	.237
-1 TO 0	2.000 TO 1.000	.547	.063	.080
0 TO 1	1.000 TO .500	.454	.286	.181
1 TO 2	.500 TO .250	.561	.627	.365
2 TO 3	.250 TO .125	.597	1.182	6.023
3 TO 4	.125 TO .063	1.177	2.222	1.437
4 TO 5	.063 TO .031	.605	4.983	.329
5 TO 6	.031 TO .016	4.934	12.141	6.987
6 TO 7	.016 TO .008	8.942	11.268	7.308
7 TO 8	.008 TO .004	14.913	11.744	9.034
8 TO 9	.004 TO .002	7.681	7.689	8.954
9 TO 10	.002 TO .001	5.606	5.261	4.497
>10	<.001	52.589	42.216	54.567
	GRAVEL (>2.0 MM)	1.393	.317	.237
	SAND (2.0-.063 MM)	3.336	4.380	8.087
	SILT (.063-.004 MM)	29.395	40.136	23.658
	CLAY (<.004 MM)	65.876	55.166	68.018
	MEAN (MM)	.0023	.0034	.0025
	MEAN (PHI)	8.749	8.204	8.673
	STANDARD DEVIATION	2.461	2.440	2.527
	SKEWNESS	-.932	-.390	-.670
	KURTOSIS	4.180	.011	.985
	ORGANIC CARBON	1.951	2.670	2.113
	NITROGEN (KJELDAHL)	.197	.209	.225
	COLOR (GSA)	N1	N1	5Y5/2

MCG0900 5049

SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 185.0 ANALYZED 0JUN74
SAMPLE N2-16 DEPTH .0 LONGITUDE 36 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 19	469 20	469 21
	DEPTH INTERVAL	.0- 30.0	30.0-107.0	107.0-185.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	.000
-2 TO -1	4.000 TO 2.000	.091	.000	.000
-1 TO 0	2.000 TO 1.000	.525	.026	.000
0 TO 1	1.000 TO .500	2.131	.205	.041
1 TO 2	.500 TO .250	5.220	1.023	.636
2 TO 3	.250 TO .125	8.047	4.006	1.171
3 TO 4	.125 TO .063	5.292	4.799	1.126
4 TO 5	.063 TO .031	2.639	.671	.218
5 TO 6	.031 TO .016	7.902	5.795	.430
6 TO 7	.016 TO .008	6.924	11.001	7.561
7 TO 8	.008 TO .004	6.670	10.371	12.122
8 TO 9	.004 TO .002	6.126	8.175	13.154
9 TO 10	.002 TO .001	3.842	8.012	7.297
>10	<.001	44.586	45.916	56.242
	GRAVEL (>2.0 MM)	.091	.000	.000
	SAND (2.0-.063 MM)	21.220	10.060	2.974
	SILT (.063-.004 MM)	24.135	27.838	20.332
	CLAY (<.004 MM)	54.555	62.102	76.694
	MEAN (MM)	.0054	.0030	.0017
	MEAN (PHI)	7.542	8.403	9.229
	STANDARD DEVIATION	3.323	2.525	1.825
	SKEWNESS	-.352	-.521	-.857
	KURTOSIS	-.911	.086	3.311
	ORGANIC CARBON	3.118	3.590	2.362
	NITROGEN (KJELDAHL)	.178	.202	.207
	COLOR (GSA)	N1	N1	N1

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SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 124.0 ANALYZED 0JUN74
SAMPLE N2-18 DEPTH .0 LONGITUDE 36 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 22	469 23	469 24
	DEPTH INTERVAL	.0- 30.0	30.0- 76.0	76.0-124.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	.000
-2 TO -1	4.000 TO 2.000	.093	.368	.000
-1 TO 0	2.000 TO 1.000	.127	.165	.000
0 TO 1	1.000 TO .500	.176	.395	.067
1 TO 2	.500 TO .250	.433	1.661	.849
2 TO 3	.250 TO .125	.539	12.174	3.690
3 TO 4	.125 TO .063	.489	6.224	2.814
4 TO 5	.063 TO .031	.073	.812	.338
5 TO 6	.031 TO .016	.479	10.386	11.069
6 TO 7	.016 TO .008	8.058	10.386	12.212
7 TO 8	.008 TO .004	11.487	11.280	10.982
8 TO 9	.004 TO .002	8.624	5.674	6.999
9 TO 10	.002 TO .001	5.194	5.984	5.037
>10	<.001	54.227	34.492	45.947
	GRAVEL (>2.0 MM)	.093	.368	.000
	SAND (2.0-.063 MM)	1.765	20.620	7.471
	SILT (.063-.004 MM)	20.097	32.862	34.596
	CLAY (<.004 MM)	78.045	46.150	57.983
	MEAN (MM)	.0015	.0062	.0031
	MEAN (PHI)	9.421	7.344	8.343
	STANDARD DEVIATION	1.761	3.034	2.450
	SKEWNESS	-1.018	-.263	-.424
	KURTOSIS	5.529	-.936	-.249
	ORGANIC CARBON	1.386	.952	.899
	NITROGEN (KJELDAHL)	.210	.219	.234
	COLOR (GSA)	N1	5Y5/1	5Y5/1

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SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 75 20.00 N MARSDEN SQUARE 116-66 LENGTH 206.0 ANALYZED 0JUN74
SAMPLE N2-19 DEPTH .0 LONGITUDE 36 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 25	469 26	469 27
	DEPTH INTERVAL	.0- 30.0	30.0-117.0	117.0-206.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	1.833
-4 TO -3	16.000 TO 8.000	.000	1.303	1.087
-3 TO -2	8.000 TO 4.000	.000	.000	1.019
-2 TO -1	4.000 TO 2.000	3.208	.399	1.631
-1 TO 0	2.000 TO 1.000	2.985	.979	2.088
0 TO 1	1.000 TO .500	3.071	1.671	4.806
1 TO 2	.500 TO .250	1.556	1.572	4.346
2 TO 3	.250 TO .125	.635	1.030	2.531
3 TO 4	.125 TO .063	.311	.740	1.071
4 TO 5	.063 TO .031	.165	1.238	1.595
5 TO 6	.031 TO .016	4.065	3.322	4.010
6 TO 7	.016 TO .008	6.034	5.900	6.336
7 TO 8	.008 TO .004	8.384	8.048	9.275
8 TO 9	.004 TO .002	11.052	8.799	7.377
9 TO 10	.002 TO .001	9.242	6.718	6.734
>10	<.001	49.290	58.282	44.261
	GRAVEL (>2.0 MM)	3.206	1.702	5.571
	SAND (2.0-.063 MM)	8.559	5.992	14.842
	SILT (.063-.004 MM)	18.649	18.508	21.215
	CLAY (<.004 MM)	69.584	73.799	58.372
	MEAN (MM)	.0033	.0023	.0062
	MEAN (PHI)	8.247	8.758	7.323
	STANDARD DEVIATION	3.373	2.934	4.175
	SKEWNESS	-.857	-1.087	-.626
	KURTOSIS	1.881	4.665	.445
	ORGANIC CARBON	2.015	1.640	1.848
	NITROGEN (KJELDAHL)	.276	.273	.252
	COLOR (ISA)	N1	N1	N1

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SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 00CT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 160.0 ANALYZED 0JUN74
SAMPLE N2-21 DEPTH .0 LONGITUDE 36 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 28	469 29	469 30
	DEPTH INTERVAL	.0- 30.0	30.0- 94.0	94.0-160.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	3.256	.000
-3 TO -2	8.000 TO 4.000	.000	3.312	.000
-2 TO -1	4.000 TO 2.000	.237	1.085	1.283
-1 TO 0	2.000 TO 1.000	.445	1.280	3.018
0 TO 1	1.000 TO .500	.748	2.677	4.834
1 TO 2	.500 TO .250	.928	2.496	3.457
2 TO 3	.250 TO .125	.947	2.357	11.778
3 TO 4	.125 TO .063	.540	.927	3.897
4 TO 5	.063 TO .031	.047	.064	.987
5 TO 6	.031 TO .016	.000	1.556	.000
6 TO 7	.016 TO .008	5.662	4.509	2.156
7 TO 8	.008 TO .004	8.494	9.490	10.108
8 TO 9	.004 TO .002	8.143	16.671	7.032
9 TO 10	.002 TO .001	4.782	5.928	5.801
>10	<.001	69.028	44.391	45.648
	GRAVEL (>2.0 MM)	.237	7.654	1.283
	SAND (2.0-.063 MM)	3.608	9.738	26.984
	SILT (.063-.004 MM)	14.203	15.619	13.252
	CLAY (<.004 MM)	81.952	66.990	58.481
	MEAN (MM)	.0014	.0050	.0061
	MEAN (PHI)	9.456	7.657	7.357
	STANDARD DEVIATION	2.054	4.048	3.828
	SKEWNESS	-1.345	-.786	-.421
	KURTOSIS	8.163	1.268	-.847
	ORGANIC CARBON	1.764	1.224	1.210
	NITROGEN (KJELDAHL)	.312	.225	.181
	COLOR (GSA)	N1	N1	N1

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SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN DOCT73 LATITUDE 76 20.00 N MARSDEN SQUARE 116-66 LENGTH 99.0 ANALYZED 0JUN74
SAMPLE N2-23 DEPTH .0 LONGITUDE 3 57.00 W CORER TYPE DOC PENETRATION .0

DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
	SUBSAMPLE ID.	469 34	469 35	469 36
	DEPTH INTERVAL	.0-30.0	30.0-64.0	64.0-99.0
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	1.874	1.913	1.580
-2 TO -1	4.000 TO 2.000	1.593	1.895	1.574
-1 TO 0	2.000 TO 1.000	5.747	5.090	5.917
0 TO 1	1.000 TO .500	19.631	26.350	27.688
1 TO 2	.500 TO .250	22.582	35.104	36.051
2 TO 3	.250 TO .125	12.228	15.147	18.907
3 TO 4	.125 TO .063	1.671	2.003	2.086
4 TO 5	.063 TO .031	.081	.043	.042
5 TO 6	.031 TO .016	1.640	.208	.006
6 TO 7	.016 TO .008	5.310	.807	.444
7 TO 8	.008 TO .004	5.341	1.823	.167
8 TO 9	.004 TO .002	3.014	.937	.233
9 TO 10	.002 TO .001	2.452	.365	.110
>10	<.001	16.835	8.320	5.136
	GRAVEL (>2.0 MM)	3.467	3.808	3.154
	SAND (2.0-.063 MM)	61.860	83.690	90.649
	SILT (.063-.004 MM)	12.372	7.881	.658
	CLAY (<.004 MM)	22.301	9.622	5.539
	MEAN (MM)	.0719	.2183	.2970
	MEAN (PHI)	3.798	2.196	1.752
	STANDARD DEVIATION	3.996	3.003	2.385
	SKEWNESS	.317	.915	1.255
	KURTOSIS	-1.102	2.609	7.102
	ORGANIC CARBON	.790	.345	.224
	NITROGEN (KJELDAHL)	.059	.025	.023
	COLOR (GSA)	N2	N4	N4

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SEDIMENT SIZE AND COMPOSITION DATA

CRUISE NORFLK TAKEN 06OCT73 LATITUDE 76 20.00 N MARSDEN SQUARE 115-66 LENGTH 203.0 ANALYZED 06JUN74
SAMPLE N2-24 DEPTH .0 LONGITUDE 3 57.00 W CORER TYPE DOC PENETRATION .0

	SUBSAMPLE ID.	469 37	469 38	469 39
	DEPTH INTERVAL	.0- 30.0	30.0-117.0	117.0-203.0
DIAM (PHI)	DIAM (MM)	PERCENT	PERCENT	PERCENT
<-4	>16.000	.000	.000	.000
-4 TO -3	16.000 TO 8.000	.000	.000	.000
-3 TO -2	8.000 TO 4.000	.000	.000	.000
-2 TO -1	4.000 TO 2.000	.138	.080	.951
-1 TO 0	2.000 TO 1.000	.205	.175	.146
0 TO 1	1.000 TO .500	.171	.194	.217
1 TO 2	.500 TO .250	.142	.198	.270
2 TO 3	.250 TO .125	.376	.472	.979
3 TO 4	.125 TO .063	.380	.383	.774
4 TO 5	.063 TO .031	.000	1.629	.099
5 TO 6	.031 TO .016	1.258	.000	4.182
6 TO 7	.016 TO .008	5.098	.000	3.655
7 TO 8	.008 TO .004	7.564	9.722	9.820
8 TO 9	.004 TO .002	5.809	5.578	4.709
9 TO 10	.002 TO .001	5.600	10.391	13.661
>10	<.001	73.259	71.178	60.498
	GRAVEL (>2.0 MM)	.138	.080	.951
	SAND (2.0-.063 MM)	1.275	1.422	2.426
	SILT (.063-.004 MM)	13.920	11.351	17.756
	CLAY (<.004 MM)	84.667	87.148	78.867
	MEAN (MM)	.0012	.0011	.0016
	MEAN (PHI)	9.708	9.765	9.300
	STANDARD DEVIATION	1.622	1.555	2.114
	SKEWNESS	-1.374	-1.567	-1.261
	KURTOSIS	10.006	12.439	7.657
	ORGANIC CARBON	1.788	1.538	1.594
	NITROGEN (KJELDAHL)	.309	.294	.273
	COLOR (GSA)	N1	N1	N1

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