

VIBRACORE LOG

Project: NEW PASS EBB SHOALCore No: NP-4

Coordinates:

N = 1085.727E = 307.066Date: 10/23/91Start Time 1147End Time 1200Water Depth 5.3

NGVD

Driller MIKE CLARKE - EXMARClient Rep. JEFF ANDREWS - CPE

Core Diam.

3"

Length of Barrel

20'

Penetration Depth

Length Recovered

13.0

Length Retained

13.0

Remarks:

Support Vessel

MARINER MARINE

Positioning

System

TRISPONDERPositioning Remarks: HYPACT

Weather

CLEAR

Wind

Dir:

SE

Est. Speed

5-10 KNTS.

Waves

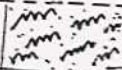

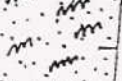




Dir:

Height CALM

Current

Dir: NA

Est. Speed:

Elev.	Depth	Legend	Description	Samp. No.	Remarks
-5.3	0				
-6.4	1.1		SHELL HASH 20.25"		
-7.2	1.9		10% FINE SAND FINE WHITE QUARTZ SAND		
-9.1	3.8		FINE WHITE QUARTZ SAND 10% SHELL HASH 20.125	-3.0	MEAN 0.22mm SILT 1.4%
-11.3	5		FINE WHITE QUARTZ SAND	-5.5	MEAN 0.17mm SILT 3.2%
-12.8	7.5		FINE WHITE QUARTZ SAND W/SHELL HASH 5% 20.125		
-17.5	12.2		FINE WHITE QUARTZ SAND	-9.0	MEAN 0.19mm SILT 2.9%
-18.3	13.0		FINE GRAY QUARTZ SAND		
	15				
	20				

Analysis By: FK

Date:

Analysis Method: SIEVECORE LOGGED BY: PH

GRADATION ANALYSIS REPORT
LIDO KEY SAND SAMPLES, OCT 23 1991

TESTED BY: ON: 11-13-91

SAMPLE NO.: NP4-3
SAMPLE ELEV. (FT. NGVD): -5
SAMPLE DEPTH (FT.): -3
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 204.43
SAMPLE WEIGHT AFTER WASH (GRAMS): 201.50

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	1.08	.53	99.47
7	-1.5	2.800	2.00	.98	99.02
10	-1.0	2.000	3.78	1.85	98.15
14	-0.5	1.400	5.56	2.72	97.28
18	0.0	1.000	7.68	3.76	96.24
25	0.5	.710	9.16	4.48	95.52
35	1.0	.500	11.94	5.84	94.16
45	1.5	.355	15.00	7.34	92.66
60	2.0	.250	25.24	12.35	87.65
80	2.5	.180	151.28	74.00	26.00
120	3.0	.125	196.55	96.15	3.85
170	3.5	.090	201.33	98.48	1.52
200	3.75	.075	201.50	98.57	1.43
230	4.0	.063	202.96	99.28	.72
PAN			204.43	100.00	.00

SIEVE LOSS(g):	.00		
MEDIAN (mm):	.202	MEAN (mm):	.226
SILT/CLAY:	1.43%	SORTING:	.348
SKEWNESS:	-.946	KURTOSIS:	2.228

PHI(5):	.69	PHI(16):	2.03	PHI(25):	2.10
PHI(50):	2.31	PHI(75):	2.52	PHI(84):	2.73
PHI(95):	2.97				
COEFFICIENT OF CURVATURE : 1.110					
COEFFICIENT OF UNIFORMITY: 1.555					

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: NP4-03.TAB

GRADATION ANALYSIS REPORT
LIDO KEY SAND SAMPLES, OCT 23 1991

TESTED BY: ON: 11-13-91

SAMPLE NO.: NP4-5
SAMPLE ELEV. (FT. NGVD): -5
SAMPLE DEPTH (FT.): -5.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 185.77
SAMPLE WEIGHT AFTER WASH (GRAMS): 179.84

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.54	.29	99.71
7	-1.5	2.800	.64	.34	99.66
10	-1.0	2.000	.97	.52	99.48
14	-0.5	1.400	1.29	.69	99.31
18	0.0	1.000	1.79	.96	99.04
25	0.5	.710	2.70	1.45	98.55
35	1.0	.500	3.89	2.09	97.91
45	1.5	.355	7.45	4.01	95.99
60	2.0	.250	25.36	13.65	86.35
80	2.5	.180	103.85	55.90	44.10
120	3.0	.125	107.33	57.78	42.22
170	3.5	.090	179.02	96.37	3.63
200	3.75	.075	179.78	96.78	3.22
230	4.0	.063	182.77	98.38	1.62
PAN			185.75	99.99	.01

SIEVE LOSS(g):	.02		
MEDIAN (mm):	.186	MEAN (mm):	.169
SILT/CLAY:	3.22%	SORTING:	.656
SKEWNESS:	.173	KURTOSIS:	.727

PHI(5):	1.55	PHI(16):	2.03	PHI(25):	2.13
PHI(50):	2.43	PHI(75):	3.22	PHI(84):	3.34
PHI(95):	3.48				
COEFFICIENT OF CURVATURE :	.666				
COEFFICIENT OF UNIFORMITY:	2.152				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: NP4-05.TAB

GRADATION ANALYSIS REPORT
LIDO KEY SAND SAMPLES, OCT 23 1991

TESTED BY: ON: 11-13-91

SAMPLE NO.: NP4-9
SAMPLE ELEV. (FT. NGVD): -5
SAMPLE DEPTH (FT.): -9
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 255.88
SAMPLE WEIGHT AFTER WASH (GRAMS): 248.97

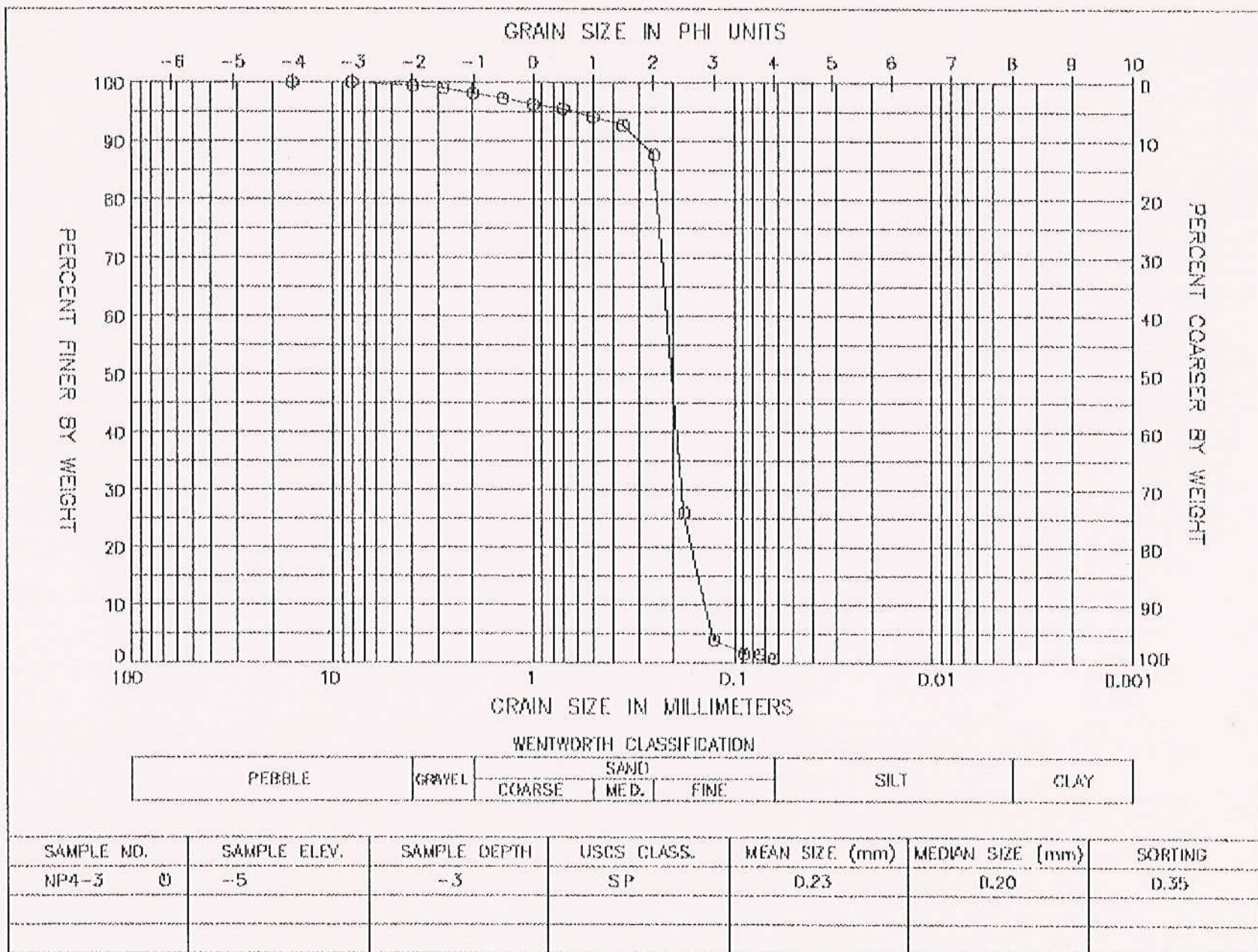
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.36	.14	99.86
7	-1.5	2.800	.82	.32	99.68
10	-1.0	2.000	1.37	.54	99.46
14	-0.5	1.400	1.75	.68	99.32
18	0.0	1.000	2.20	.86	99.14
25	0.5	.710	2.62	1.02	98.98
35	1.0	.500	3.61	1.41	98.59
45	1.5	.355	5.00	1.95	98.05
60	2.0	.250	8.24	3.22	96.78
80	2.5	.180	232.49	90.86	9.14
120	3.0	.125	242.85	94.91	5.09
170	3.5	.090	248.06	96.94	3.06
200	3.75	.075	248.55	97.14	2.86
230	4.0	.063	252.07	98.51	1.49
PAN			255.86	99.99	.01

SIEVE LOSS(g):	.02		
MEDIAN (mm):	.208	MEAN (mm):	.194
SILT/CLAY:	2.86%	SORTING:	.194
SKEWNESS:	.499	KURTOSIS:	1.455

PHI(5): 2.01	PHI(16): 2.07	PHI(25): 2.12
PHI(50): 2.27	PHI(75): 2.41	PHI(84): 2.46
PHI(95): 3.02		
COEFFICIENT OF CURVATURE :	.961	
COEFFICIENT OF UNIFORMITY:	1.219	

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: NP4-09.TAB

GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY SAND SAMPLES, OCT 23 1991



GRAIN SIZE DISTRIBUTION CURVE
LIDO KEY SAND SAMPLES, OCT 23 1991

