

VIBRACORE LOG

Project: BIG SARASOTA PASS		Core No: BSP - 3	
Coordinates:	Date: 10-23-91	Water Depth 6.6	NGVD
N = 1072333	Start Time 1224	Driller MIKE CLARKE - EXMAR	
E = 313784	End Time 1230	Client Rep. JEFF ANDREWS - CPE	

	Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>	<u>-6.6</u>	<u>0</u>				
Length of Barrel <u>20"</u>						
Penetration Depth						
Length Recovered <u>9.5</u>						
Length Retained <u>9.5</u>						
Remarks:						
Support Vessel MARINER MARINE						
Positioning System TRISPOUNDER						
Positioning Remarks: HYPACT						
	<u>-14.3</u>	<u>7.7'</u>			<u>(3.0)</u>	MEAN 0.20 mm SILT 2.2 %
	<u>-15.0</u>	<u>8.4'</u>		FINE WHITE QUARTZ SAND W/ 10% SHELL WASH L .125		
	<u>-15.6</u>	<u>9.0</u>		FINE WHITE QUARTZ SAND W/ 15% SHELL WASH L .125	<u>(6.0)</u>	MEAN 0.21 mm SILT 1.7 %
	<u>-16.1</u>	<u>9.5</u>		SHELL WASH L .125	<u>(8.6)</u>	MEAN 0.40 mm SILT
		<u>10</u>		W/ FINE WHITE QUARTZ SAND		3.1 %
Weather <u>CLEAR</u>						
Wind						
Dir: <u>SE</u>						
Est. Speed <u>5-10 KNTS.</u>						
Waves						
Dir:						
Height <u>CALM</u>						
Current						
Dir: <u>NA</u>		<u>15</u>				
Est. Speed:						
Analysis By: <u>FK</u>						
Date:						
Analysis Method: <u>SIEVE</u>						
CORE LOGGED BY: <u>PH</u>		<u>20</u>				

GRADATION ANALYSIS REPORT
BIG SARASOTA PASS, SAND SAMPLES 22 OCT 1991

TESTED BY: ON: 11-20-91

SAMPLE NO.: BSP3-3
SAMPLE ELEV. (FT. NGVD): -6.6
SAMPLE DEPTH (FT.): -3
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 222.03
SAMPLE WEIGHT AFTER WASH (GRAMS): 217.33

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	.92	.41	99.59
7	-1.5	2.800	1.34	.60	99.40
10	-1.0	2.000	1.70	.77	99.23
14	-0.5	1.400	2.03	.91	99.09
18	0.0	1.000	2.41	1.09	98.91
25	0.5	.710	2.97	1.34	98.66
35	1.0	.500	5.35	2.41	97.59
45	1.5	.355	10.38	4.68	95.32
60	2.0	.250	28.43	12.80	87.20
80	2.5	.180	162.59	73.23	26.77
120	3.0	.125	213.24	96.04	3.96
170	3.5	.090	217.00	97.73	2.27
200	3.75	.075	217.20	97.82	2.18
230	4.0	.063	219.60	98.91	1.09
PAN			222.02	100.00	.00

SIEVE LOSS(g):	.01		
MEDIAN (mm):	.202	MEAN (mm):	.201
SILT/CLAY:	2.18%	SORTING:	.355
SKEWNESS:	-.118	KURTOSIS:	1.364

PHI(5):	1.52	PHI(16):	2.03	PHI(25):	2.10
PHI(50):	2.31	PHI(75):	2.54	PHI(84):	2.74
PHI(95):	2.98				
COEFFICIENT OF CURVATURE :	1.107				
COEFFICIENT OF UNIFORMITY:	1.561				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: BSP3-03.TAB

GRADATION ANALYSIS REPORT
BIG SARASOTA PASS, SAND SAMPLES 22 OCT 1991

TESTED BY: DN: 11-20-91

SAMPLE NO.: BSP3-6
SAMPLE ELEV. (FT. NGVD): -6.6
SAMPLE DEPTH (FT.): -6.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 180.00
SAMPLE WEIGHT AFTER WASH (GRAMS): 177.13

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	.26	.14	99.86
7	-1.5	2.800	.79	.44	99.56
10	-1.0	2.000	1.25	.69	99.31
14	-0.5	1.400	1.66	.92	99.08
18	0.0	1.000	2.10	1.17	98.83
25	0.5	.710	2.56	1.42	98.58
35	1.0	.500	5.17	2.87	97.13
45	1.5	.355	12.37	6.87	93.13
60	2.0	.250	33.03	18.35	81.65
80	2.5	.180	126.45	70.25	29.75
120	3.0	.125	172.38	95.77	4.23
170	3.5	.090	176.72	98.18	1.82
200	3.75	.075	176.96	98.31	1.69
230	4.0	.063	178.43	99.13	.88
PAN			179.98	99.99	.01

SIEVE LOSS(g):	.02		
MEDIAN (mm):	.202	MEAN (mm):	.211
SILT/CLAY:	1.69%	SORTING:	.436
SKEWNESS:	-.359	KURTOSIS:	1.332

PHI(5):	1.27	PHI(16):	1.90	PHI(25):	2.06
PHI(50):	2.30	PHI(75):	2.59	PHI(84):	2.77
PHI(95):	2.98				
COEFFICIENT OF CURVATURE : 1.072					
COEFFICIENT OF UNIFORMITY: 1.600					

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: BSP3-06.TAB

GRADATION ANALYSIS REPORT
BIG SARASOTA PASS, SAND SAMPLES 22 OCT 1991

TESTED BY: ON: 11-20-91

SAMPLE NO.: BSP3-8
SAMPLE ELEV. (FT. NGVD): -6.6
SAMPLE DEPTH (FT.): -8.6
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 237.07
SAMPLE WEIGHT AFTER WASH (GRAMS): 230.30

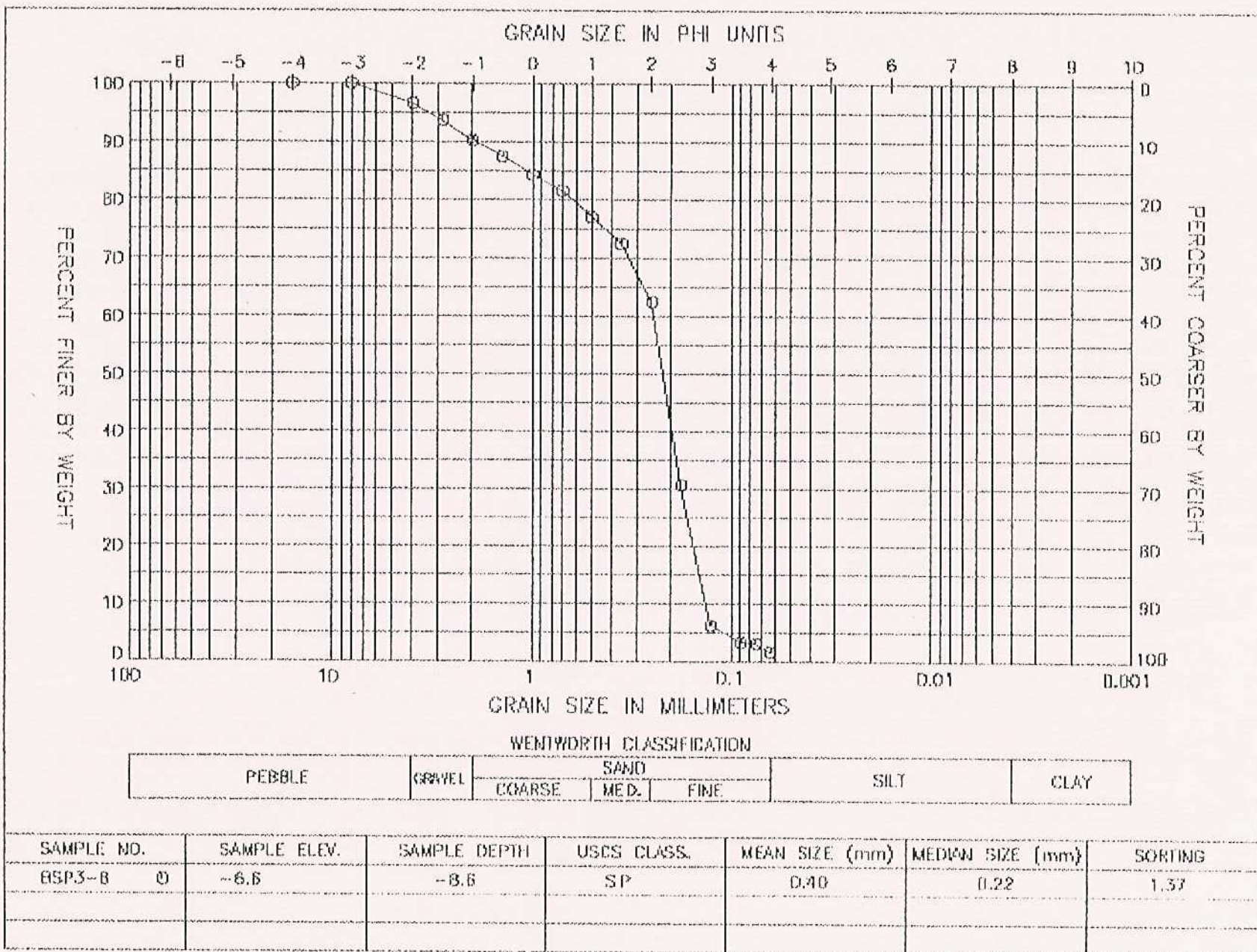
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	7.95	3.35	96.65
7	-1.5	2.800	14.71	6.20	93.80
10	-1.0	2.000	23.09	9.74	90.26
14	-0.5	1.400	29.60	12.49	87.51
18	0.0	1.000	37.13	15.66	84.34
25	0.5	.710	43.66	18.42	81.58
35	1.0	.500	54.43	22.96	77.04
45	1.5	.355	65.12	27.47	72.53
60	2.0	.250	88.86	37.48	62.52
80	2.5	.180	164.16	69.25	30.75
120	3.0	.125	222.28	93.76	6.24
170	3.5	.090	229.25	96.70	3.30
200	3.75	.075	229.66	96.87	3.13
230	4.0	.063	233.14	98.34	1.66
PAN			237.03	99.98	.02

SIEVE LOSS(g): .04
MEDIAN (mm): .218
SILT/CLAY: 3.13%
SKEWNESS: -2.895
MEAN (mm): .403
SORTING: 1.370
KURTOSIS: 1.450

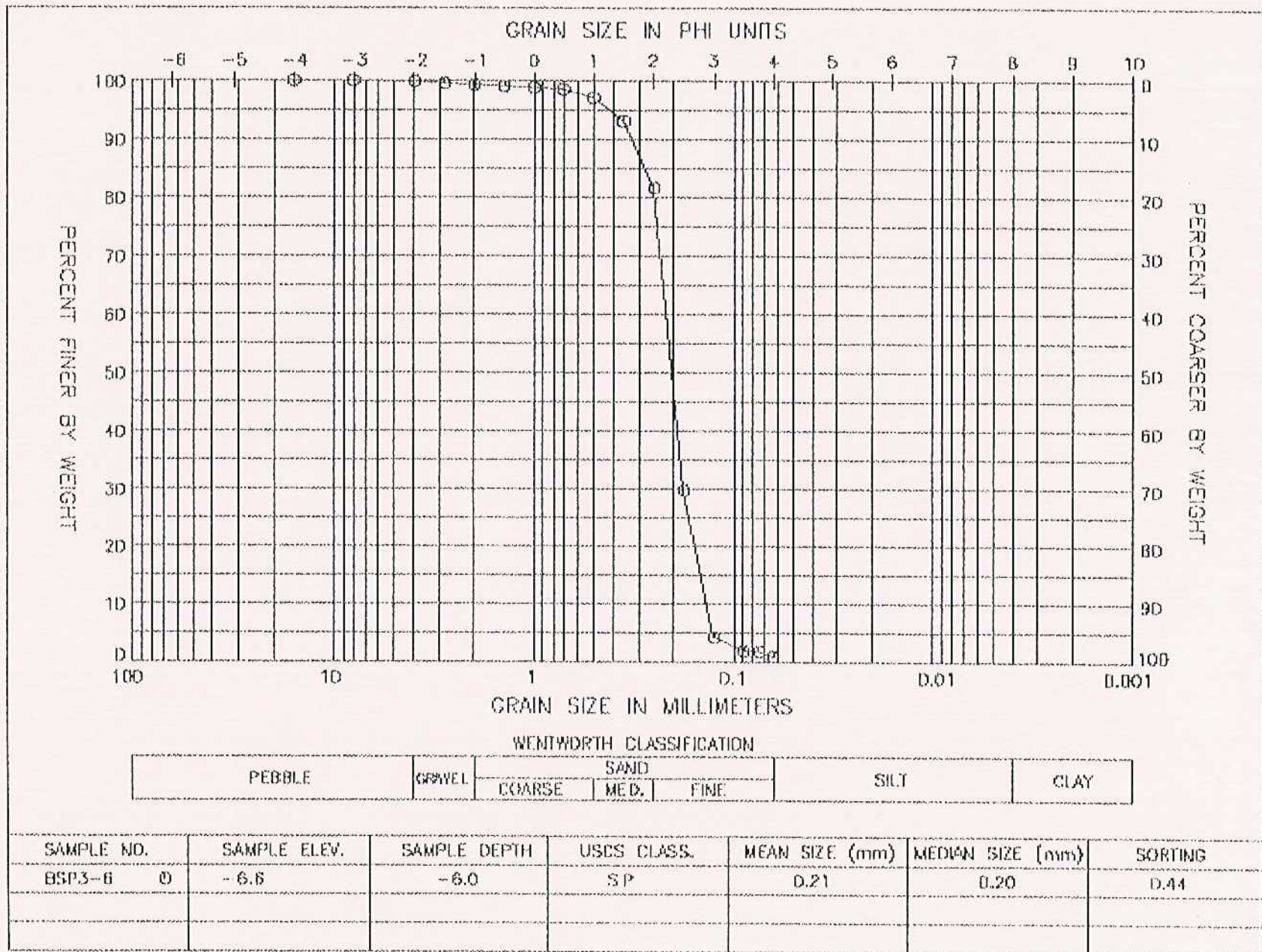
PHI(5): -1.71 PHI(16): .06 PHI(25): 1.23
PHI(50): 2.20 PHI(75): 2.62 PHI(84): 2.80
PHI(95): 3.21
COEFFICIENT OF CURVATURE : .954
COEFFICIENT OF UNIFORMITY: 1.845

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: BSP3-08.TAB

GRAIN SIZE DISTRIBUTION CURVE
BIG SARASOTA PASS, SAND SAMPLES 22 0



GRAIN SIZE DISTRIBUTION CURVE.
BIG SARASOTA PASS, SAND SAMPLES 22 0



GRAIN SIZE DISTRIBUTION CURVE
BIG SARASOTA PASS, SAND SAMPLES 22 0

