

## VIBRACORE LOG

Project: BIG SARASOTA PASSCore No: BSP-4 AWD BSP-4B

Coordinates:

N = 1,072,090E = 312,506Date: 10/23/91Start Time 1007/1039End Time 1015/1105Water Depth 9.7 NGVDDriller MIKE CLARKE - EXMARClient Rep. JEFF ANDREWS - CPE

		Elev.	Depth	Legend	Description	Samp. No.	Remarks
Core Diam. <u>3"</u>		-9.7	0				
Length of Barrel <u>20"</u>							
Penetration Depth							
Length Recovered <u>12.5</u>							
Length Retained <u>12.5</u>							
Remarks: <u>2<sup>nd</sup> ATTEMPT NP-2A</u>		-13.4	3.7		FINE WHITE QUARTZ SAND W/ SHELL FRASH 5% <.125	(-3.0)	MEAN 0.20 mm SILT 1.8 %
JETTED TO <u>6.5</u>							
PENETRATION DEPTH			5		NO RECOVERY		END OF 1 <sup>ST</sup> ATTEMPT
LENGTH RECOVERED <u>12.5</u>							
LENGTH RETAINED <u>12.5</u>							
Support Vessel <u>MARINER MARINE</u>		-16.2	6.5				START OF 2 <sup>ND</sup> ATTEMPT
Positioning System <u>TRISPONDER</u>							
Positioning Remarks: <u>HYPACK</u>			10		FINE WHITE QUARTZ SAND	(-7.0)	MEAN 0.18 mm SILT 3.3 %
Weather <u>CLEAR</u>		-21.2	11.5				MEAN
Wind							
Dir: <u>SE</u>		-22.2	12.5		FINE WHITE QUARTZ SAND W/ SHELL FRASH 4.5% <.125	(-12.0)	0.19 mm SILT 4.8 %
Est. Speed <u>5-10 KNTS.</u>							
Waves							
Dir: _____			15				
Height <u>CALM</u>							
Current							
Dir: <u>NA</u>							
Est. Speed: _____							
Analysis By: <u>FK</u>			20				
Date: _____							
Analysis Method: <u>SIEVE</u>							
CORE LOGGED BY <u>PH</u>							

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

TESTED BY: ON: 11-20-91

SAMPLE NO.: BSP4-5  
SAMPLE ELEV. (FT. NGVD): -9.5  
SAMPLE DEPTH (FT.): -5.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 199.72  
SAMPLE WEIGHT AFTER WASH (GRAMS): 196.69

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	.08	.04	99.96
7	-1.5	2.800	.35	.18	99.82
10	-1.0	2.000	.63	.32	99.68
14	-0.5	1.400	.80	.40	99.60
18	0.0	1.000	1.13	.57	99.43
25	0.5	.710	1.55	.78	99.22
35	1.0	.500	3.49	1.75	98.25
45	1.5	.355	7.24	3.63	96.37
60	2.0	.250	18.24	9.13	90.87
80	2.5	.180	140.56	70.38	29.62
120	3.0	.125	192.12	96.19	3.81
170	3.5	.090	195.57	97.92	2.08
200	3.75	.075	196.15	98.21	1.79
230	4.0	.063	197.87	99.07	.93
PAN			199.70	99.99	.01

SIEVE LOSS(g):	.02		
MEDIAN (mm):	.198	MEAN (mm):	.196
SILT/CLAY:	1.79%	SORTING:	.354
SKEWNESS:	-.066	KURTOSIS:	1.205

PHI(5): 1.62	PHI(16): 2.06	PHI(25): 2.13
PHI(50): 2.33	PHI(75): 2.59	PHI(84): 2.76
PHI(95): 2.98		
COEFFICIENT OF CURVATURE : 1.101		
COEFFICIENT OF UNIFORMITY: 1.545		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: BSP4-05.TAB



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

TESTED BY: ON: 11-20-91

SAMPLE NO.: BSP4-7  
SAMPLE ELEV. (FT. NGVD): -9.5  
SAMPLE DEPTH (FT.): -7.00  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 229.97  
SAMPLE WEIGHT AFTER WASH (GRAMS): 223.02

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	.32	.14	99.86
7	-1.5	2.800	1.96	.85	99.15
10	-1.0	2.000	2.39	1.04	98.96
14	-0.5	1.400	2.70	1.17	98.83
18	0.0	1.000	3.08	1.34	98.66
25	0.5	.710	3.43	1.49	98.51
35	1.0	.500	6.95	3.02	96.98
45	1.5	.355	16.40	7.13	92.87
60	2.0	.250	31.83	13.84	86.16
80	2.5	.180	75.94	33.02	66.98
120	3.0	.125	189.22	82.28	17.72
170	3.5	.090	219.95	95.64	4.36
200	3.75	.075	222.44	96.73	3.27
230	4.0	.063	226.11	98.32	1.68
PAN			229.95	99.99	.01

SIEVE LOSS(g):	.02		
MEDIAN (mm):	.157	MEAN (mm):	.177
SILT/CLAY:	3.27%	SORTING:	.504
SKEWNESS:	-.628	KURTOSIS:	1.442

PHI(5):	1.24	PHI(16):	2.06	PHI(25):	2.29
PHI(50):	2.67	PHI(75):	2.93	PHI(84):	3.06
PHI(95):	3.48				
COEFFICIENT OF CURVATURE : 1.078					
COEFFICIENT OF UNIFORMITY: 1.645					

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: BSP4-07.TAB

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

TESTED BY: ON: 11-20-91

SAMPLE NO.: BSP4-12  
SAMPLE ELEV. (FT. NGVD): -9.5  
SAMPLE DEPTH (FT.): -12.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 214.57  
SAMPLE WEIGHT AFTER WASH (GRAMS): 205.44

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	.08	.04	99.96
7	-1.5	2.800	.37	.17	99.83
10	-1.0	2.000	.69	.32	99.68
14	-0.5	1.400	1.22	.57	99.43
18	0.0	1.000	5.60	2.61	97.39
25	0.5	.710	12.53	5.84	94.16
35	1.0	.500	18.89	8.80	91.20
45	1.5	.355	26.36	12.29	87.71
60	2.0	.250	37.62	17.53	82.47
80	2.5	.180	68.87	32.10	67.90
120	3.0	.125	161.41	75.22	24.78
170	3.5	.090	199.95	93.19	6.81
200	3.75	.075	204.25	95.19	4.81
230	4.0	.063	209.24	97.51	2.49
PAN			214.54	99.99	.01

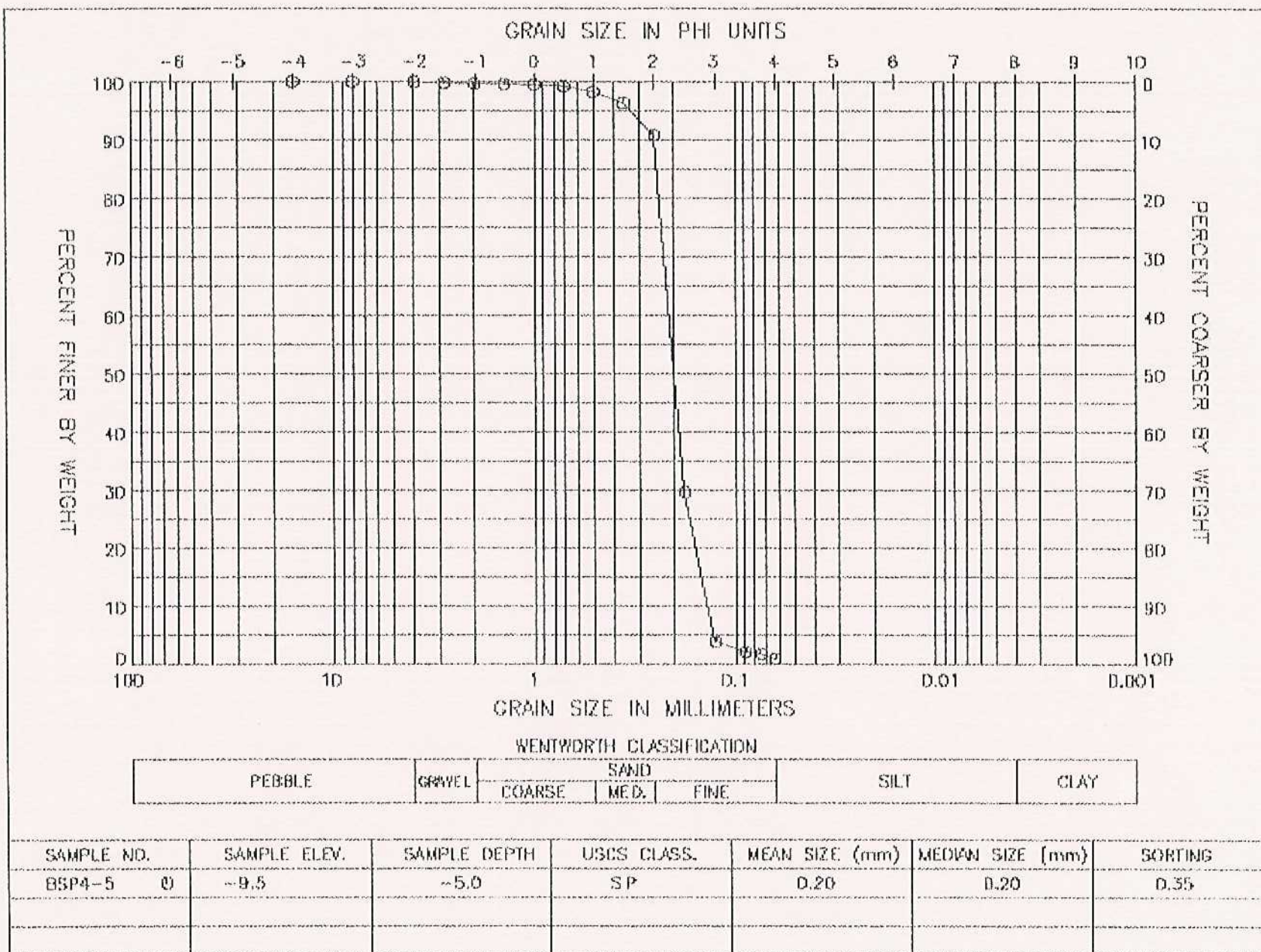
SIEVE LOSS(g):	.03		
MEDIAN (mm):	.153	MEAN (mm):	.192
SILT/CLAY:	4.81%	SORTING:	.695
SKEWNESS:	-1.319	KURTOSIS:	1.856

PHI(5):	.37	PHI(16):	1.85	PHI(25):	2.26
PHI(50):	2.71	PHI(75):	3.00	PHI(84):	3.24
PHI(95):	3.73				
COEFFICIENT OF CURVATURE :	1.090				
COEFFICIENT OF UNIFORMITY:	1.765				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
DATA FILE NAME: BSP4-12.TAB

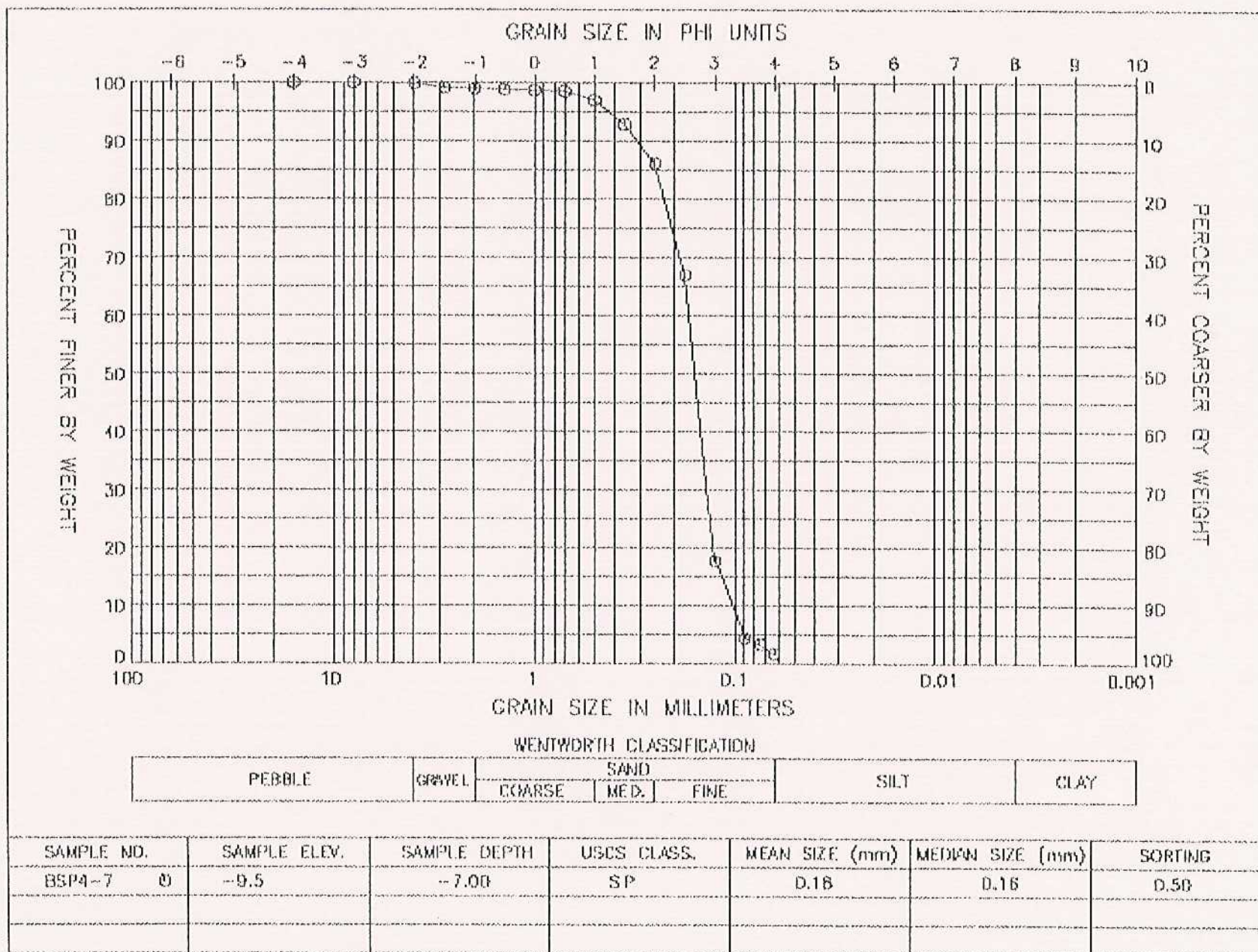


GRAIN SIZE DISTRIBUTION CURVE  
BIG SARASOTA PASS, SAND SAMPLES 22 0





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





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

