

VIBRACORE LOG

Project: **BIG SARASOTA PASS** Core No: **BSP - 9**

Coordinates:

N = 1069222
E = 312271Date: 10-23-91Start Time 1612End Time 1630Water Depth 4.0 NGVDDriller MIKE CLARKE - EXMARClient Rep. JEFF ANDREWS - CPECore Diam. 3"
Length of Barrel 20"
Penetration Depth 12.0
Length Recovered 12.0
Length Retained 12.0
Remarks:Support Vessel MARINER MARINE
Positioning System TRISPONDER
Positioning Remarks: HYPACTWeather CLEAR
Wind SE
Dir: SE
Est. Speed 5-10 KNTS.
Waves CALM
Dir: NA
Height NA
Current NA
Dir: NA
Est. Speed: NAAnalysis By: FK
Date: PH
Analysis Method: SIEVE
CORE LOGGED BY PH

Elev.	Depth	Legend	Description	Samp. No.	Remarks
-4.0	0				
	5		FINE WHITE QUARTZ SAND	(-3.0)	MEAN 0.22 mm SILT 2.3%
-13.5	9.5				
-13.7	10.7		FINE WHITE QUARTZ SAND WITH SHELL WASH 6.7%		
-14.2	10.2		FINE WHITE QUARTZ SAND	(-8.0)	MEAN 0.23 mm SILT 1.8%
	12.0		FINE WHITE QUARTZ SAND	(-11.0)	MEAN 0.22 mm SILT 4.1%
	15				
	20				

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

TESTED BY: ON: 11-20-91

SAMPLE NO.: BSP9-3
SAMPLE ELEV. (FT. NGVD): -4.0
SAMPLE DEPTH (FT.): -3.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 193.36
SAMPLE WEIGHT AFTER WASH (GRAMS): 191.74

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	.58	.30	99.70
7	-1.5	2.800	.91	.47	99.53
10	-1.0	2.000	1.21	.63	99.37
14	-0.5	1.400	1.48	.77	99.23
18	0.0	1.000	1.85	.96	99.04
25	0.5	.710	2.15	1.11	98.89
35	1.0	.500	5.72	2.96	97.04
45	1.5	.355	22.97	11.88	88.12
60	2.0	.250	51.17	26.46	73.54
80	2.5	.180	128.56	66.49	33.51
120	3.0	.125	186.24	96.32	3.68
170	3.5	.090	191.48	99.03	.97
200	3.75	.075	191.66	99.12	.88
230	4.0	.063	192.49	99.55	.45
PAN			193.35	99.99	.01

SIEVE LOSS(g):	.01		
MEDIAN (mm):	.204	MEAN (mm):	.223
SILT/CLAY:	.88%	SORTING:	.576
SKEWNESS:	-.496	KURTOSIS:	1.102

PHI(5): 1.11	PHI(16): 1.64	PHI(25): 1.95
PHI(50): 2.29	PHI(75): 2.64	PHI(84): 2.79
PHI(95): 2.98		
COEFFICIENT OF CURVATURE :	.963	
COEFFICIENT OF UNIFORMITY:	1.653	

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: BSP9-03.TAB

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

TESTED BY: ON: 11-20-91

SAMPLE NO.: BSP9-8
SAMPLE ELEV. (FT. NGVD): -4.0
SAMPLE DEPTH (FT.): -8.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 224.41
SAMPLE WEIGHT AFTER WASH (GRAMS): 220.59

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	.41	.18	99.82
7	-1.5	2.800	1.10	.49	99.51
10	-1.0	2.000	1.76	.78	99.22
14	-0.5	1.400	2.44	1.09	98.91
18	0.0	1.000	3.30	1.47	98.53
25	0.5	.710	4.02	1.79	98.21
35	1.0	.500	6.87	3.06	96.94
45	1.5	.355	25.54	11.38	88.62
60	2.0	.250	72.93	32.50	67.50
80	2.5	.180	174.15	77.60	22.40
120	3.0	.125	213.04	94.93	5.07
170	3.5	.090	219.78	97.94	2.06
200	3.75	.075	220.27	98.16	1.84
230	4.0	.063	222.28	99.05	.95
PAN			224.40	100.00	.00

SIEVE LOSS(g):	.01		
MEDIAN (mm):	.219	MEAN (mm):	.230
SILT/CLAY:	1.84%	SORTING:	.538
SKEWNESS:	-.260	KURTOSIS:	1.197

PHI(5): 1.12	PHI(16): 1.61	PHI(25): 1.82
PHI(50): 2.19	PHI(75): 2.47	PHI(84): 2.68
PHI(95): 3.01		
COEFFICIENT OF CURVATURE : 1.079		
COEFFICIENT OF UNIFORMITY: 1.711		

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: BSP9-08.TAB

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

TESTED BY: ON: 11-20-91

SAMPLE NO.: BSP9-11
SAMPLE ELEV. (FT. NGVD): -4.0
SAMPLE DEPTH (FT.): -11.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 225.43
SAMPLE WEIGHT AFTER WASH (GRAMS): 217.59

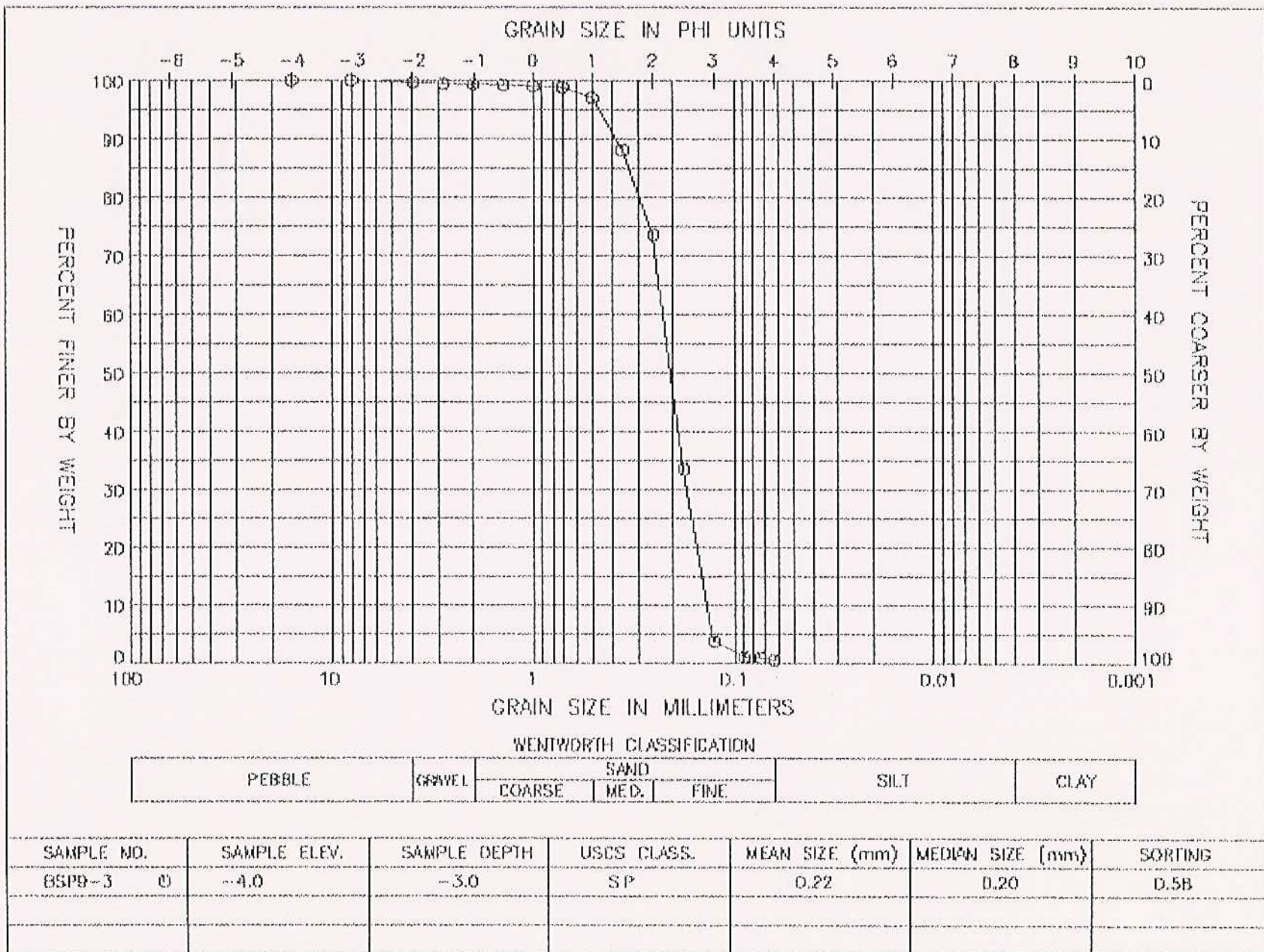
SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.34	.15	99.85
7	-1.5	2.800	.91	.40	99.60
10	-1.0	2.000	2.35	1.04	98.96
14	-0.5	1.400	3.87	1.72	98.28
18	0.0	1.000	5.73	2.54	97.46
25	0.5	.710	7.27	3.22	96.78
35	1.0	.500	12.91	5.73	94.27
45	1.5	.355	28.31	12.56	87.44
60	2.0	.250	57.89	25.68	74.32
80	2.5	.180	145.06	64.35	35.65
120	3.0	.125	207.11	91.87	8.13
170	3.5	.090	215.30	95.51	4.49
200	3.75	.075	216.13	95.87	4.13
230	4.0	.063	220.31	97.73	2.27
PAN			225.38	99.98	.02

SIEVE LOSS(g):	.05		
MEDIAN (mm):	.201	MEAN (mm):	.215
SILT/CLAY:	4.13%	SORTING:	.613
SKEWNESS:	-.344	KURTOSIS:	1.467

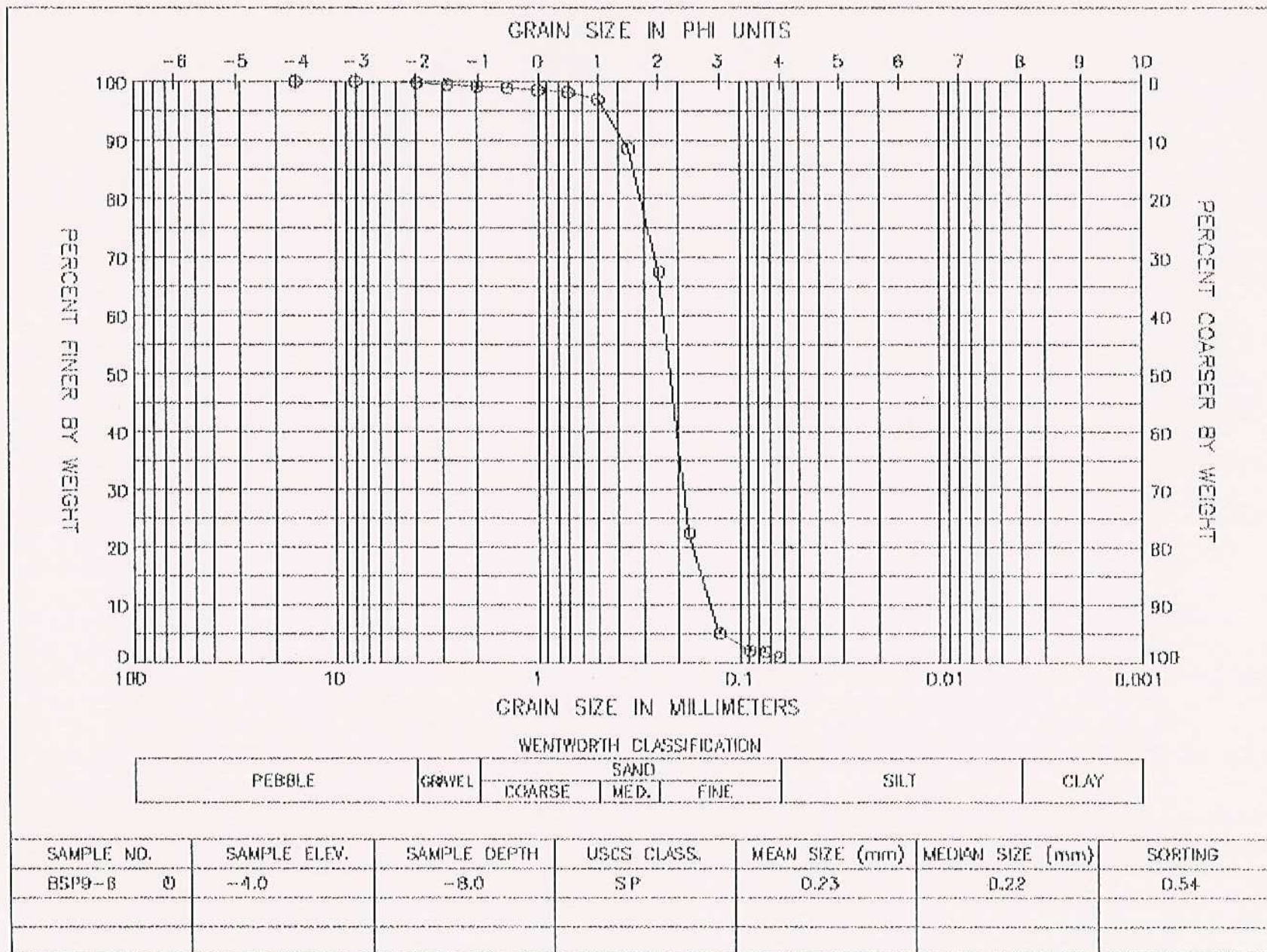
PHI(5):	.85	PHI(16):	1.63	PHI(25):	1.97
PHI(50):	2.31	PHI(75):	2.69	PHI(84):	2.86
PHI(95):	3.43				
COEFFICIENT OF CURVATURE :	.963				
COEFFICIENT OF UNIFORMITY:	1.718				

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD
DATA FILE NAME: BSP9-11.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

