

DRILLING LOG		DIVISION: South Atlantic		INSTALLATION: Jacksonville District		SHEET 1 of 1	
1. PROJECT		ESTERO ISLAND BEACH RESTORATION		10. SIZE AND TYPE OF BIT		3 5/8"	
2. LOCATION		(Coordinates or Station) X= 664220 Y= 765726		11. DATUM FOR ELEVATION SHOWN ^(TBM or MSL)		NGVD	
3. DRILLING AGENCY:		Alpine Ocean Seismic Survey Inc.		12. MANUFACTURER'S DESIGNATION OF DRILL		ALPINE PNEUMATIC VIBRACORE	
4. HOLE NO.		(As shown on drawing title and file number) EI-00-16		13. TOT NO. OF OVERBURDEN SAMPLES TAKEN		Disturbed: 0.0 Undisturbed: 0.0	
5. NAME OF DRILLER		MAURIZIO ROSSI		14. TOTAL NO. OF CORE BOXES			
6. DIRECTION OF HOLE		VERTICAL		15. ELEVATION GROUND WATER			
7. THICKNESS OF BURDEN		0.0 FT		16. DATE HOLE		Started Completed 8/6/00 1624	
8. DEPTH DRILLED INTO ROCK		N/A		17. ELEVATION TOP OF HOLE		-11.5 ft	
9. TOTAL DEPTH OF HOLE		18.5 ft		18. TOTAL CORE RECOVERY FOR BORING		56%	
				19. SIGNATURE OF GEOLOGIST		SYED KHALIL	

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS
-11.5	0					
	1				1	Sample #1, Depth = 1.0' Mean (mm): 0.14, Phi Sorting: 0.39 Silt: 2.2%
	2		SAND, fine-grained, Light gray (5Y-7/1) (SP)			
	3				2	Sample #2, Depth = 3.0' Mean (mm): 0.13, Phi Sorting: 0.37 Silt: 3.8%
-15.8	4					
	5					
	6					
	7		SILTY CLAY, some shell hash/shell fragments up to 3" & whole shell 1", partially fluidized between -18.3' & 19.1', Gray (5Y-5/1) to Dark gray (5Y-4/1) (ML-CL)			
	8					
	9					
-21.9	10					
	11					
	12					
	13					
	14					
	15		NO RECOVERY			
	16					
	17					
-30	18					
	19		End of Boring			
	20					
	21					
	22		Note: 1) Soils are field visually classified in accordance with the Unified Soil Classification System.			LAT - LONG 26 26.420 N 81 58.534 W
	23					
	24					

GRADATION ANALYSIS REPORT

ESTERO VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: EI-00-16#1
SAMPLE ELEV. (FT. NGVD): 1.0
SAMPLE DEPTH (FT.): 1.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.85
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.73

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.00	0.00	100.00
5	-2.00	4.000	0.00	0.00	100.00
7	-1.50	2.800	0.05	0.05	99.95
10	-1.00	2.000	0.15	0.15	99.85
14	-0.50	1.400	0.24	0.24	99.76
18	0.00	1.000	0.35	0.35	99.65
25	0.50	0.710	0.55	0.55	99.45
35	1.00	0.500	0.85	0.85	99.15
45	1.50	0.355	1.14	1.14	98.86
60	2.00	0.250	1.77	1.77	98.23
80	2.50	0.180	4.72	4.73	95.27
120	3.00	0.125	78.69	78.81	21.19
170	3.50	0.090	97.19	97.34	2.66
200	3.75	0.075	97.66	97.81	2.19
230	4.00	0.063	98.78	98.93	1.07
PAN			99.85	100.00	0.00

PHI (5): 2.50 PHI (16): 2.58 PHI (25): 2.64
PHI (50): 2.81 PHI (75): 2.97 PHI (84): 3.14
PHI (95): 3.44

SIEVE LOSS (g): 0.00 SILT/CLAY: 2.19%
SKEWNESS: 0.581 KURTOSIS: 1.136

GRAPHIC METHOD

MEAN (PHI): 2.89 SORTING: 0.28
MEAN (mm): 0.13 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.81 SORTING: 0.39
MEAN (mm): 0.14

DATA FILE NAME: EI-00-16#1.TAB

GRADATION ANALYSIS REPORT

ESTERO VC 2000

TESTED BY: ID ON: 8/00

SAMPLE NO.: EI-00-16#2
SAMPLE ELEV. (FT. NGVD): 3.0
SAMPLE DEPTH (FT.): 3.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.54
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.25

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.00	0.00	100.00
5	-2.00	4.000	0.00	0.00	100.00
7	-1.50	2.800	0.00	0.00	100.00
10	-1.00	2.000	0.03	0.03	99.97
14	-0.50	1.400	0.07	0.07	99.93
18	0.00	1.000	0.13	0.13	99.87
25	0.50	0.710	0.22	0.22	99.78
35	1.00	0.500	0.35	0.35	99.65
45	1.50	0.355	0.55	0.55	99.45
60	2.00	0.250	0.64	0.64	99.36
80	2.50	0.180	2.82	2.83	97.17
120	3.00	0.125	50.08	50.31	49.69
170	3.50	0.090	93.49	93.92	6.08
200	3.75	0.075	95.76	96.20	3.80
230	4.00	0.063	97.79	98.24	1.76
PAN			99.53	99.99	0.01

PHI (5): 2.52 PHI (16): 2.64 PHI (25): 2.73
PHI (50): 3.00 PHI (75): 3.28 PHI (84): 3.39
PHI (95): 3.62

SIEVE LOSS (g): 0.01 SILT/CLAY: 3.80%
SKEWNESS: 0.197 KURTOSIS: 0.817

GRAPHIC METHOD

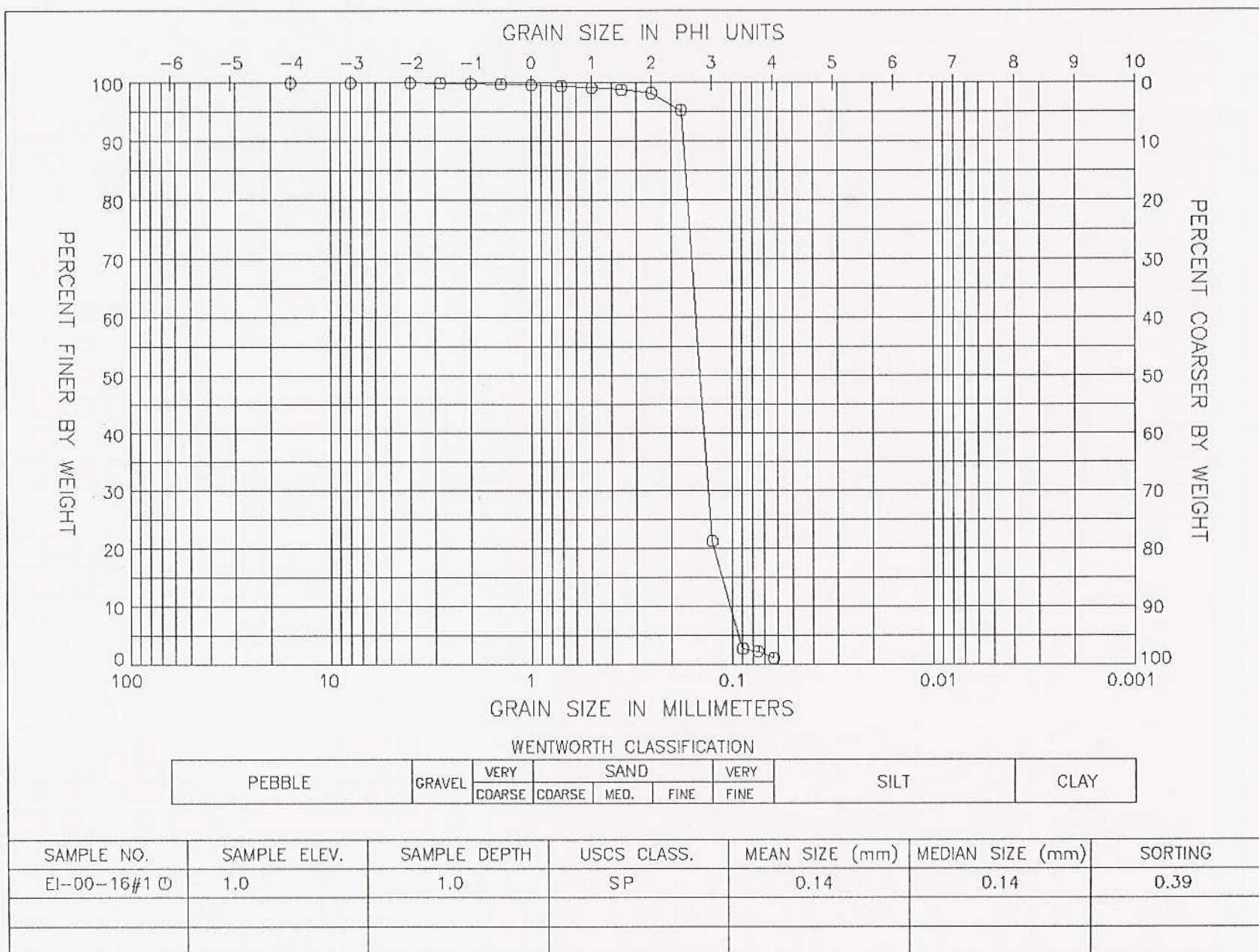
MEAN (PHI): 3.03 SORTING: 0.37
MEAN (mm): 0.12 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.99 SORTING: 0.37
MEAN (mm): 0.13

DATA FILE NAME: EI-00-16#2.TAB

GRAIN SIZE DISTRIBUTION CURVE ESTERO VC 2000



GRAIN SIZE DISTRIBUTION CURVE ESTERO VC 2000

