

DRILLING LOG		DIVISION: South Atlantic	INSTALLATION: Jacksonville District	SHEET 1 of 1
1. PROJECT CAPTIVA ISLAND SAND STUDY		10. SIZE AND TYPE OF BIT 3 5/8"		
2. LOCATION (Coordinates or Station) X=543476.15 Y=788381.42		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) CIVC-00-24		13. TOT NO. OF OVERBURDEN SAMPLES TAKEN Disturbed: 0 Undisturbed: 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 8/11/00 Completed 8:48		
8. DEPTH DRILLED INTO ROCK N/A		17. ELEVATION TOP OF HOLE -42.2 FT		
9. TOTAL DEPTH OF HOLE 7.7 FT		18. TOTAL CORE RECOVERY FOR BORING 90.9%		
		19. SIGNATURE OF GEOLOGIST SK/ID		

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS
-42.2	0					
	1					
	2		SAND, fine grained, little shell hash/fragments, between 1.2' and 1.4' shell hash/fragments increases to 50%, gray (5Y-6/1), (SP).		1	Sample #1, Depth = 2.0' Mean (mm): 0.36, Phi Sorting: 1.28 Silt: 0.91% (SW)
-46.9	3					
	4					
	5					
	6		fine grained, trace shell hash, gray (5Y-6/1), (SP).		2	Sample #2, Depth = 6.0' Mean (mm): 0.27, Phi Sorting: 1.13 Silt: 2.16% (SW)
-49.2	7					
-49.9			No Recovery			
	8		End of Boring			
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21		Note: 1) Soils are field visually classified in accordance with the Unified Soil Classification System.			Note: This column contains laboratory data.
	22					
	23					
	24					

Gradation Analysis Report

Proj Name: Captiva Island
 Sample: CIVC-00-24#1
 Date: 1/1/2001
 By: ID



2841 N. W. Boca Raton Blvd. Boca Raton FL 33428

Elevation:	-44.2	Feet	Easting:	543476.15	State Plane	1983
Reference:	NGVD 29		Northing:	788381.42	FLA West	Feet

USCS:	SW	Munsel Dry:	5Y-6/1	Munsel Wet:	5Y-6/1
Comments:	0				

Dry Wt.	68.01	Percent Silt:	0.91
Wash Wt.	67.40		

Sieve Size	PHI Size	mm Size	Grams Retained	% Weight Retained	Cum. Grams Retained	C % Weight Retained
5/8	-4.000	16.000	0.000	0.000	0.000	0.000
5/16	-3.000	8.000	0.000	0.000	0.000	0.000
5	-2.000	4.000	0.280	0.412	0.280	0.412
7	-1.500	2.828	0.710	1.044	0.990	1.456
10	-1.000	2.000	0.930	1.367	1.920	2.823
14	-0.500	1.414	2.000	2.941	3.920	5.764
18	0.000	1.000	2.840	4.176	6.760	9.940
25	0.500	0.707	4.820	7.087	11.580	17.027
35	1.000	0.500	5.250	7.719	16.830	24.746
45	1.500	0.354	6.530	9.602	23.360	34.348
60	2.000	0.250	16.650	24.482	40.010	58.830
80	2.500	0.177	16.230	23.864	56.240	82.694
120	3.000	0.125	10.280	15.115	66.520	97.809
170	3.500	0.088	0.790	1.162	67.310	98.971
200	3.750	0.074	0.070	0.103	67.380	99.074
230	4.000	0.063	0.010	0.015	67.390	99.088
Pan	Pan	0.053	0.620	0.912	68.010	100.000

PHI 5	PHI 16	PHI 25	PHI 50	PHI 75	PHI 84	PHI 95
-0.63	0.43	1.01	1.82	2.34	2.54	2.91

Median phi:	1.82	Median mm:	0.28
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	Mean phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	1.41	0.38	1.06	-0.58	1.09
Moment	1.49	0.36	1.28	-0.49	1.71

Gradation Analysis Report

Proj Name: Captiva Island
 Sample: CIVC-00-24#2
 Date: 1/1/2001
 By: ID



2841 N. W. Boca Raton Blvd. Boca Raton FL 33428

Elevation:	-48.2	Feet	Easting:	543476.15	State Plane	1983
Reference:	NGVD 29		Northing:	788381.42	FLA West	Feet

USCS:	SW	Munsel Dry:	5Y-6/1	Munsel Wet:	5Y-6/1
Comments:	0				

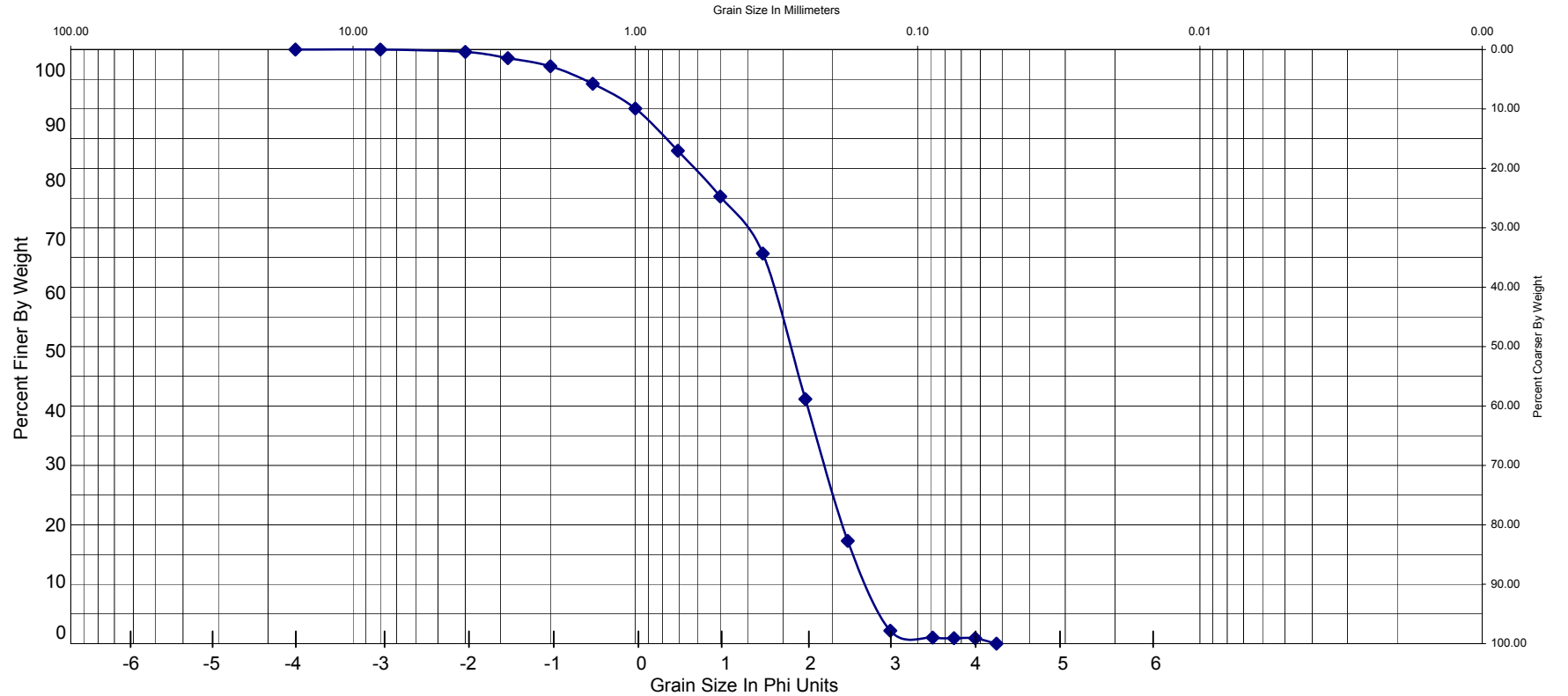
Dry Wt.	57.01	Percent Silt:	2.16
Wash Wt.	55.82		

Sieve Size	PHI Size	mm Size	Grams Retained	% Weight Retained	Cum. Grams Retained	C % Weight Retained
5/8	-4.000	16.000	0.000	0.000	0.000	0.000
5/16	-3.000	8.000	0.000	0.000	0.000	0.000
5	-2.000	4.000	0.180	0.316	0.180	0.316
7	-1.500	2.828	0.270	0.474	0.450	0.789
10	-1.000	2.000	0.400	0.702	0.850	1.491
14	-0.500	1.414	0.770	1.351	1.620	2.842
18	0.000	1.000	1.710	2.999	3.330	5.841
25	0.500	0.707	2.250	3.947	5.580	9.788
35	1.000	0.500	2.660	4.666	8.240	14.454
45	1.500	0.354	4.010	7.034	12.250	21.487
60	2.000	0.250	9.890	17.348	22.140	38.835
80	2.500	0.177	15.820	27.750	37.960	66.585
120	3.000	0.125	16.110	28.258	54.070	94.843
170	3.500	0.088	1.400	2.456	55.470	97.299
200	3.750	0.074	0.160	0.281	55.630	97.579
230	4.000	0.063	0.130	0.228	55.760	97.807
Pan	Pan	0.053	1.230	2.158	56.990	99.965

PHI 5	PHI 16	PHI 25	PHI 50	PHI 75	PHI 84	PHI 95
-0.14	1.11	1.60	2.20	2.65	2.81	3.03

Median phi:	2.20	Median mm:	0.22
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	Mean phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	1.80	0.29	0.90	-0.74	1.24
Moment	1.89	0.27	1.13	-0.73	2.08



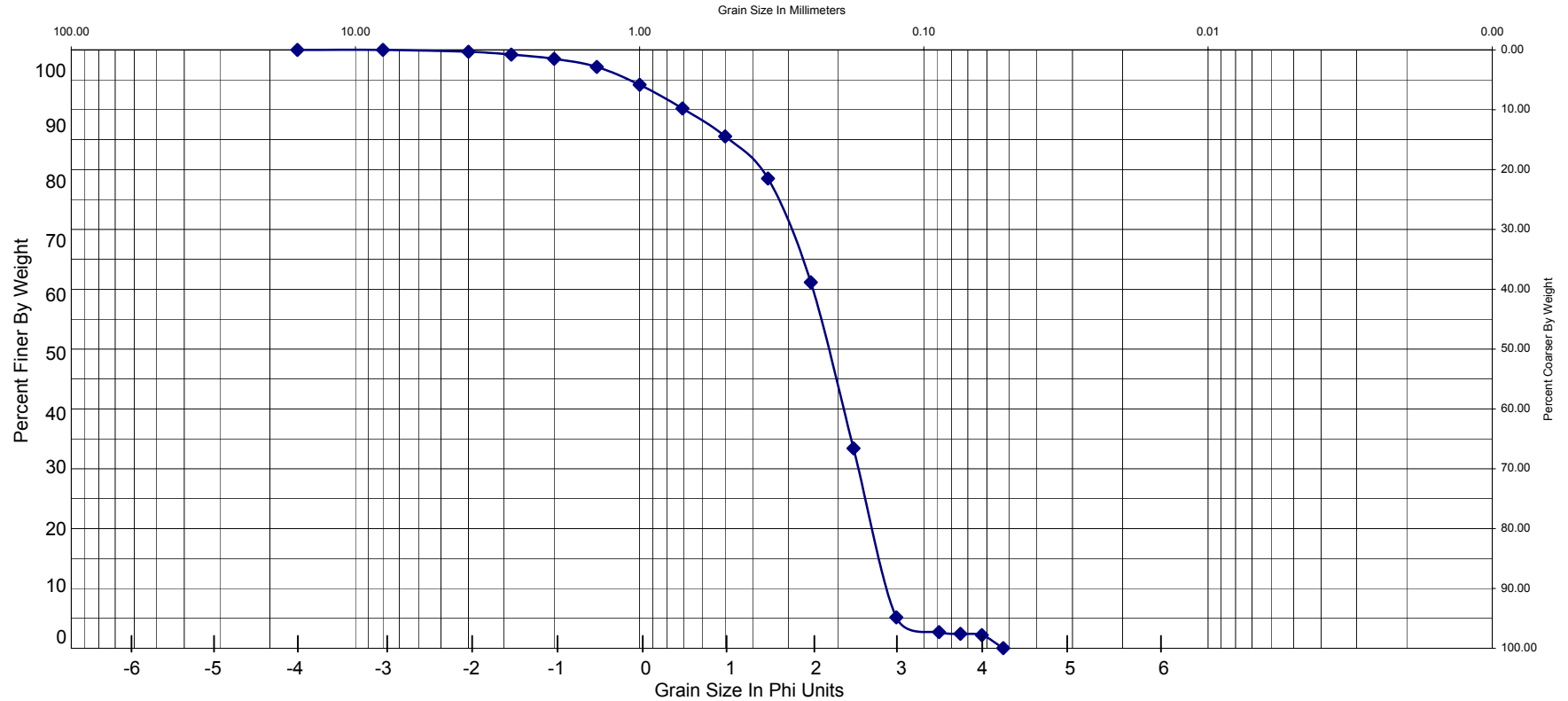
Gravel		Sand			Silt or Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample No.	Depth	Description	USCS	% Silt	Median	Mean	Skew	Kurt	Sort	PL	LL	PI	Sample Information
◆ CIVC-00-24#1	2.0		SW	0.91	0.28	0.36	-0.49	1.71	1.28	NA	NA	NA	Project Name: Captiva Island
													Sample Type: Vibracores
													Collection Date: 1/1/2001
													Analysis By: ID



COASTAL PLANNING & ENGINEERING, INC.
2481 N. W. BOCA RATON BLVD.
BOCA RATON, FLORIDA 33431

Easting (X):	543476.15 Feet
Northing (Y):	788381.42 Feet
Sample Elevation:	-44.2 NGVD 29
Coord. System:	State Plane 1983 FLA West



Gravel		Sand			Silt or Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample No.	Depth	Description	USCS	% Silt	Median	Mean	Skew	Kurt	Sort	PL	LL	PI	Sample Information
◆ CIVC-00-24#2	6.0		SW	2.16	0.22	0.27	-0.73	2.08	1.13	NA	NA	NA	Project Name: Captiva Island
													Sample Type: Vibracores
													Collection Date: 1/1/2001
													Analysis By: ID



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Easting (X):	543476.15 Feet
Northing (Y):	788381.42 Feet
Sample Elevation:	-48.2 NGVD 29
Coord. System:	State Plane 1983 FLA West

