

DRILLING LOG		DIVISION	INSTALLATION
1. PROJECT Dade County Deepwater Geotechnical Study			SHEET 1 OF 1
2. LOCATION (Coordinates or Station) X=958077.400 Y=529940.500			10. SIZE AND TYPE OF BIT 4" VIBRACORE
3. DRILLING AGENCY SEA, Inc./Alpine OSS			11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MLLW
4. HOLE NO. (As shown on drawing title and file number) DCV 99-15			12. MANUFACTURER'S DESIGNATION OF DRILL PNEUMATIC VIBRACORE
5. NAME OF DRILLER Alpine OSS			13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 2 undisturbed: 0
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED			14. TOTAL NUMBER OF CORE BOXES
7. THICKNESS OF BURDEN 0 Ft.			15. ELEVATION GROUND WATER
8. DEPTH DRILLED INTO ROCK 0 Ft.			16. DATE HOLE STARTED COMPLETED 12-12-99 12-12-99
9. TOTAL DEPTH OF HOLE 9.6 Ft.			17. ELEVATION TOP OF HOLE -127.4 Ft.
			18. TOTAL CORE RECOVERY FOR BORING 78 %
			19. SIGNATURE OF G. ZARILLO, SEA, INC

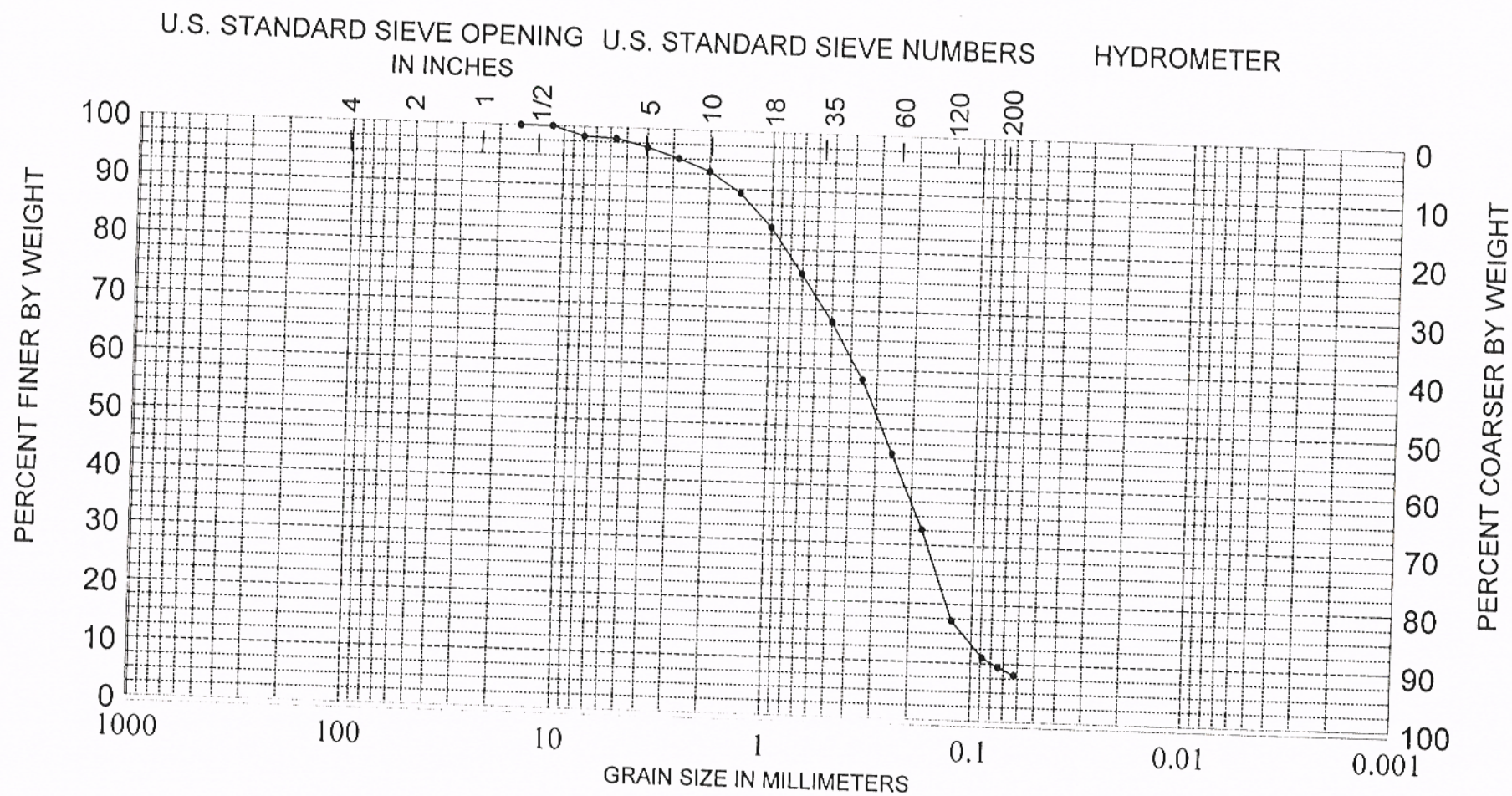
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS
-127.4	.0					-127.4
			White to very light grey semi-lithified medium carbonate sand. 10 YR 8/1 (SP-GW)	100	10	Large coral pieces, 2.6-2.8 ft.
-131.7	4.3		Pale brown-white medium to fine sand. 10 YR 8/2 (SP)	100	5.0	Large coral pieces, 3.2-3.5 ft.
						-132.4
						Partial void/gas pocket 5.0-7.5 ft.
-135.3	7.9			0		-134.8
						Large piece of coral at end.
-137.0	9.6		Penetration depth			-137.0
						Composite 1, 0-2.5 ft.
						Composite 2, 5.0-7.5 ft.

Sediment Analysis Data Sheet

Sample DCV-15-1.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics	
							phi	mm
5/8	16.00	-4.00	0.00	0.00	0.00			
1/2	11.31	-3.50	0.00	0.00	0.00			
5/16	8.00	-3.00	0.00	0.00	0.00			
1/4	5.66	-2.50	0.20	0.34	0.34	5% :	-0.56	1.48
5	4.00	-2.00	0.48	0.81	1.15	16% :	0.04	0.98
7	2.83	-1.50	0.31	0.52	1.68	25% :	0.26	0.83
10	2.00	-1.00	0.56	0.95	2.63	50% :	1.28	0.41
14	1.41	-0.50	1.60	2.71	5.33	75% :	2.32	0.20
18	1.00	0.00	5.45	9.22	14.56	84% :	2.66	0.16
25	0.71	0.50	11.74	19.87	34.43	95% :	3.55	0.09
35	0.50	1.00	6.58	11.13	45.56			
45	0.35	1.50	4.60	7.79	53.35	Med.	1.28	0.41
60	0.25	2.00	7.42	12.57	65.91	Mean	1.33	0.40
80	0.18	2.50	8.41	14.24	80.15	St Dev.	1.28	
120	0.13	3.00	6.95	11.76	91.92	Skew	0.08	
170	0.09	3.50	1.68	2.84	94.76	Kurt.	0.82	
200	0.07	3.75	0.42	0.71	95.47			
230	0.06	4.00	0.30	0.51	95.99			
Pan			0.30	0.51	96.50			
Total			56.99	96.50	96.50			
						Moment	Statistics	
							Phi	mm
Cu =	4.49	Gravel			1	Mean	1.41	0.38
		Coarse Sand			2	St. Dev.	1.24	0.42
		ed. Sand			47	Skewness	-0.36	
Cc =	0.65	Fine Sand			47	Kurtosis	2.75	
		Silt/Clay			4			

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Sediment Analysis Data Sheet

Sample DCV-15-5.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics	
							phi	mm
5/8	16.00	-4.00	0.00	0.00	0.00			
1/2	11.31	-3.50	0.00	0.00	0.00			
5/16	8.00	-3.00	0.00	0.00	0.00			
1/4	5.66	-2.50	0.00	0.00	0.00			
5	4.00	-2.00	0.18	0.30	0.30	5% :	-0.66	1.58
7	2.83	-1.50	0.48	0.79	1.09	16% :	0.29	0.82
10	2.00	-1.00	1.18	1.93	3.02	25% :	0.78	0.58
14	1.41	-0.50	1.77	2.89	5.91	50% :	1.86	0.27
18	1.00	0.00	2.95	4.81	10.72	75% :	2.77	0.15
25	0.71	0.50	5.53	9.03	19.75	84% :	3.13	0.11
35	0.50	1.00	5.83	9.52	29.26	95% :	4.60	0.04
45	0.35	1.50	6.99	11.40	40.66	Med.	1.86	0.27
60	0.25	2.00	7.85	12.81	53.47	Mean	1.76	0.29
80	0.18	2.50	7.79	12.71	66.18	St Dev.	1.51	
120	0.13	3.00	9.97	16.26	82.44	Skew	-0.03	
170	0.09	3.50	3.64	5.93	88.37	Kurt.	1.08	
200	0.07	3.75	1.09	1.77	90.14			
230	0.06	4.00	0.82	1.33	91.47			
Pan			0.81	1.33	92.80			
Total			56.89	92.80	92.80			
						Moment	Statistics	
							Phi	mm
Cu =	4.72	Gravel		0	%	Mean	1.76	0.30
		Coarse Sand		3	%	St. Dev.	1.27	0.41
		ed. Sand		32	%	Skewness	-0.62	
Cc =	0.96	Fine Sand		57	%	Kurtosis	2.75	
		Silt/Clay		9	%			

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