

<b>DRILLING LOG</b>		DIVISION	INSTALLATION	SHEET 1 OF 1
1. PROJECT Dade County Deepwater Geotechnical Study			10. SIZE AND TYPE OF BIT 4" VIBRACORE	
2. LOCATION (Coordinates or Station) X-955774.600 Y-476928.100			11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MLLW	
3. DRILLING AGENCY SEA, Inc./Alpine OSS			12. MANUFACTURER'S DESIGNATION OF DRILL PNEUMATIC VIBRACORE	
4. HOLE NO. (As shown on drawing title and file number) DCV 99-10			13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 4 undisturbed: 0	
5. NAME OF DRILLER Alpine OSS			14. TOTAL NUMBER OF CORE BOXES	
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED			15. ELEVATION GROUND WATER	
7. THICKNESS OF BURDEN 0 Ft.			16. DATE HOLE STARTED COMPLETED 12-8-99 12-8-99	
8. DEPTH DRILLED INTO ROCK 0 Ft.			17. ELEVATION TOP OF HOLE -53.0 Ft.	
9. TOTAL DEPTH OF HOLE 19.7 Ft.			18. TOTAL CORE RECOVERY FOR BORING 92 %	
			19. SIGNATURE OF G. ZARILLO, SEA, INC	

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS	
-53.0	.0		Very pale brown to white medium to fine carbonate sand, large shell fragments to 1 inch. 10 YR 8/2 (SP)			-53.0	0
					0.5		
				100	2.0		2.5
						-58.0	5
				100	7.0		7.5
-61.4	8.4		Light grey medium to fine carbonate sand, small shell fragments. 10 YR 8/2 (SP)				
-62.2	9.2		Fine carbonate sand, large shell fragments to 2 inches. 10 YR 8/2 (SP)			-63.0	10
				100	12.0		12.5
-67.2	14.2		Medium to fine carbonate sand, silt fraction. 10 YR 8/2 (SM)			Scattered shell frags to 1 inch, 12.0 ft	
-68.5	15.5		White to very pale brown carbonate sand, some mud. 10 YR 8/1-8/2 (SP)			-68.0	15
				100			
-71.2	18.2					-71.2	17.5
-72.7	19.7			0		-72.7	20
			Penetration depth				
						Composite 0-18.2 ft.	22.5

Sample DCV-10-0.5

SEA, INC.





Sample DCV-10-2.0

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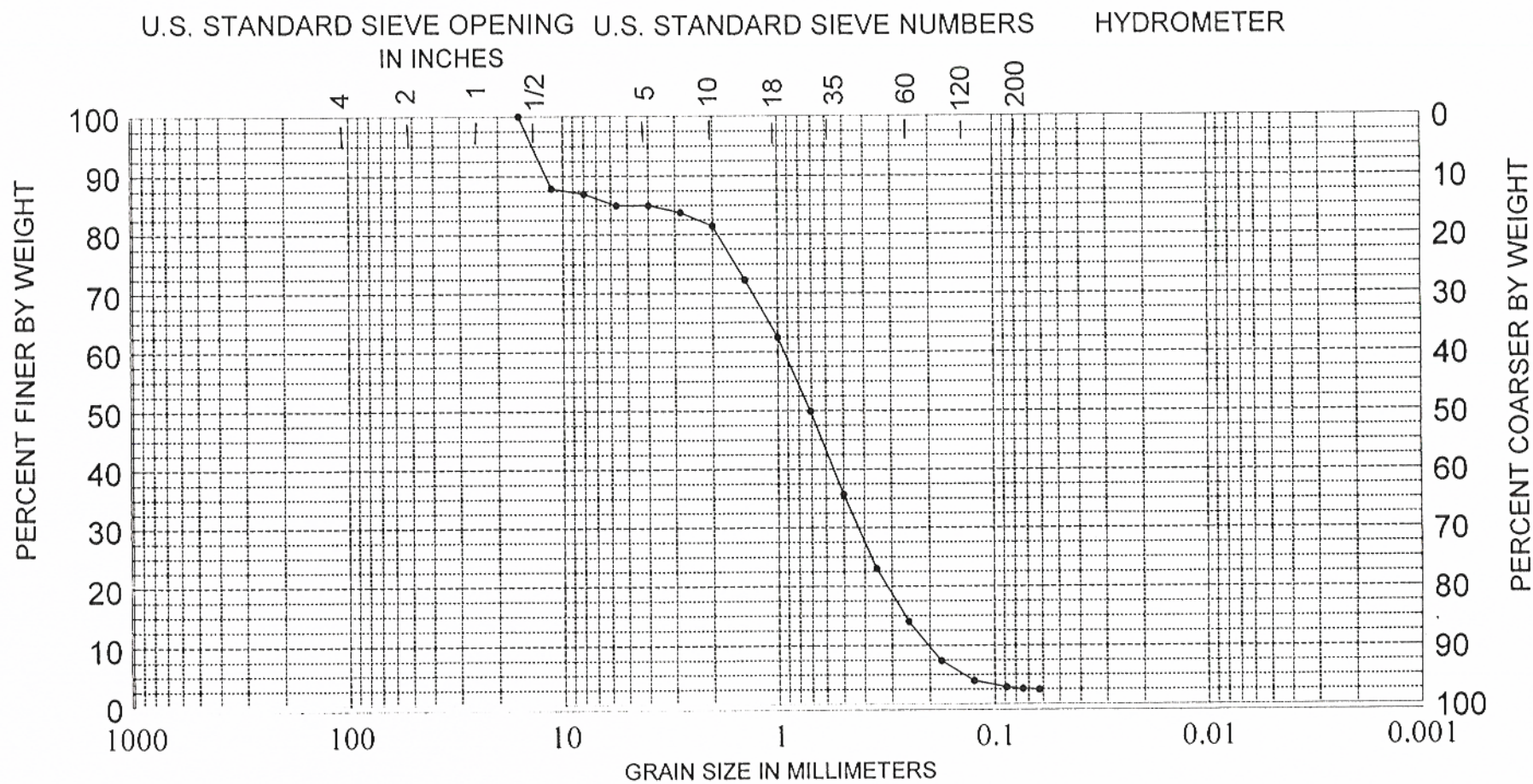
## Sediment Analysis Data Sheet

Sample DCV-10-7.0

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	5.97	12.06	12.06			
5/16	8.00	-3.00	0.47	0.95	13.01			
1/4	5.66	-2.50	0.98	1.97	14.99	5% :	-3.79	13.86
5	4.00	-2.00	0.00	0.00	14.99	16% :	-1.60	3.03
7	2.83	-1.50	0.62	1.26	16.25	25% :	-0.65	1.57
10	2.00	-1.00	1.14	2.30	18.54	50% :	0.50	0.71
14	1.41	-0.50	4.56	9.22	27.76	75% :	1.42	0.37
18	1.00	0.00	4.84	9.77	37.54	84% :	1.89	0.27
25	0.71	0.50	6.21	12.55	50.09	95% :	2.85	0.14
35	0.50	1.00	7.01	14.18	64.27			
45	0.35	1.50	6.28	12.70	76.97	Med.	0.50	0.71
60	0.25	2.00	4.46	9.01	85.98	Mean	0.26	0.83
80	0.18	2.50	3.27	6.61	92.59	St Dev.	1.88	
120	0.13	3.00	1.70	3.44	96.03	Skew	-0.25	
170	0.09	3.50	0.55	1.12	97.15	Kurt.	1.31	
200	0.07	3.75	0.13	0.25	97.40			
230	0.06	4.00	0.08	0.16	97.56			
Pan			0.07	0.14	97.70			
Total			48.33	97.70	97.70			
						Moment	Statistics	
							Phi	mm
Cu =	4.61	Gravel			15	%	Mean	0.25 0.84
		Coarse Sand			4	%	St. Dev.	1.96 0.26
		ed. Sand			52	%	Skewness	-0.84
Cc =	0.97	Fine Sand			27	%	Kurtosis	2.83
		Silt/Clay			2	%		

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PHI      -6.0      -5.0      -4.0      -3.0      -2.0      -1.0      -0.0      1.0      2.0      3.0      4.0      5.0

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT
7.0	-60.0	Medium sand (SP)	Dade County Deepwater Study
			AREA      Dade Co., Florida
			BORING NO.      DCV-10
			DATE      March, 2000

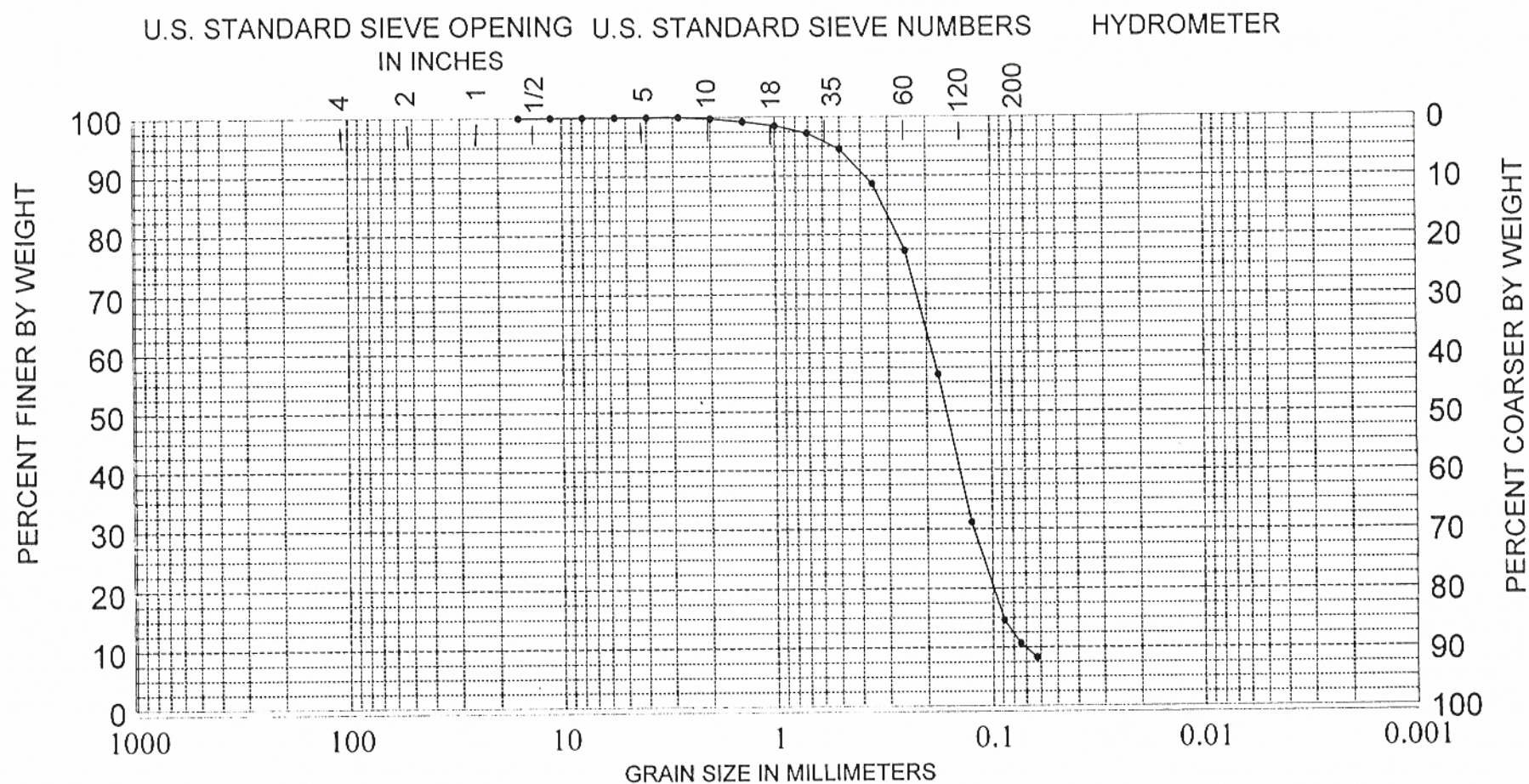
## Sediment Analysis Data Sheet

Sample DCV-10-12.0

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	0.00	0.00	0.00	5% :	0.92	0.53
7	2.83	-1.50	0.01	0.02	0.02	16% :	1.70	0.31
10	2.00	-1.00	0.12	0.27	0.28	25% :	2.05	0.24
14	1.41	-0.50	0.23	0.51	0.79	50% :	2.63	0.16
18	1.00	0.00	0.31	0.67	1.46	75% :	3.19	0.11
25	0.71	0.50	0.58	1.25	2.71	84% :	3.46	0.09
35	0.50	1.00	1.27	2.75	5.46	95% :	4.50	0.04
45	0.35	1.50	2.73	5.94	11.40	Med.	2.63	0.16
60	0.25	2.00	5.20	11.31	22.70	Mean	2.60	0.17
80	0.18	2.50	9.65	20.97	43.68	St Dev.	0.98	
120	0.13	3.00	11.57	25.15	68.83	Skew	0.00	
170	0.09	3.50	7.64	16.60	85.43	Kurt.	1.30	
200	0.07	3.75	1.79	3.89	89.32			
230	0.06	4.00	1.08	2.34	91.66			
Pan			0.94	2.04	93.70			
Total			43.11	93.70	93.70			
						Moment	Statistics	
							Phi	mm
Cu =	0.10	Gravel		0	%	Mean	2.61	0.16
		Coarse Sand		0	%	St. Dev.	0.84	0.56
		ed. Sand		8	%	Skewness	-1.13	
Cc =	0.04	Fine Sand		83	%	Kurtosis	5.03	
		Silt/Clay		8	%			

SEA, INC.





PHI

-6.0	-5.0	-4.0	-3.0	-2.0	-1.0	-0.0	1.0	2.0	3.0	4.0	5.0
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COBBLES

GRAVEL

COARSE

FINE

SAND

COARSE

MEDIUM

FINE

SILT OR CLAY

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT
12.0	-65.0	Fine sand (SP)	Dade County Deepwater Study
			AREA Dade Co., Florida
			BORING NO. DCV-10
			DATE March, 2000