

DRILLING LOG		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=957768.400 Y=485174.800				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 99-9				13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 2 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 12-11-99 12-11-99			
8. DEPTH DRILLED INTO ROCK 0 Ft.				17. ELEVATION TOP OF HOLE -130.0 Ft.			
9. TOTAL DEPTH OF HOLE 6.7 Ft.				18. TOTAL CORE RECOVERY FOR BORING 72 %			
				19. SIGNATURE OF G. ZARILLO, SEA, INC.			
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS	
-130.0	.0					-130.0	0
-130.9	.9		Light grey-pale brown medium carbonate sand. 10 YR 7/3 (SP)		10		
-131.6	1.6		Pale brown-white fine carbonate sand, rock fragments to 2 inches. 10 YR 8/2 (SP-GW)				
-132.2	2.2		Light grey-pale brown medium carbonate sand, shell fragments to 1/2 inch. 10 YR 7/2 (SP)	100	3.0		2.5
			Pale brown-grey medium carbonate sand, scattered rock fragments. 10 YR 7/3 (SP)				
-134.8	4.8					Coral rock frags. to 3 inches, 4.4-4.7 ft -134.8	5
-136.7	6.7			0		-136.7	7.5
			Penetration depth				10
							12.5
							15
							17.5
							20
						Composite 0-4.5 ft.	22.5

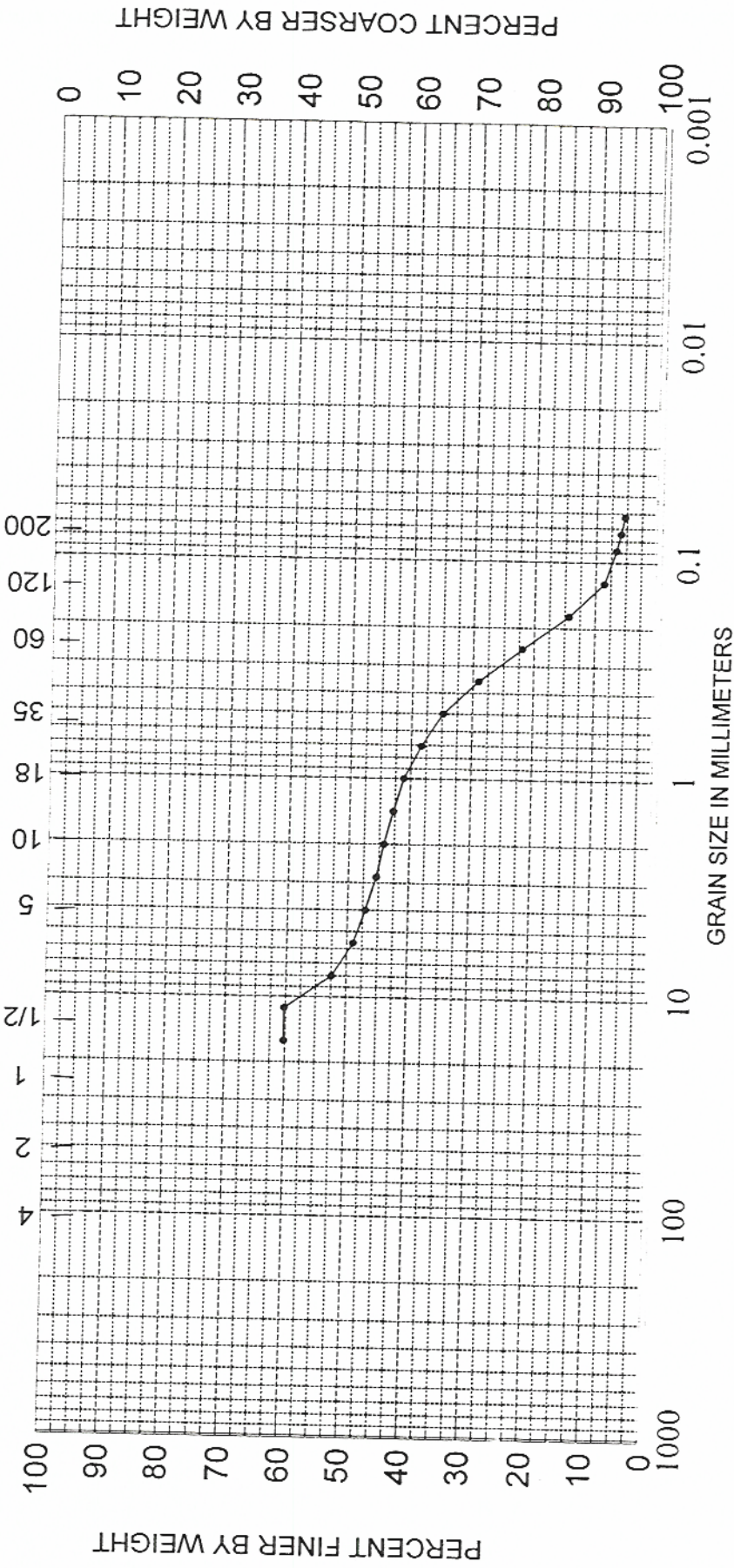
Sediment Analysis Data Sheet

Sample DCV-9-1.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics	
							phi	mm
5/8	16.00	-4.00	21.16	39.76	39.76			
1/2	11.31	-3.50	0.00	0.00	39.76			
5/16	8.00	-3.00	4.15	7.80	47.56			
1/4	5.66	-2.50	1.85	3.48	51.03	5% :	-4.80	27.86
5	4.00	-2.00	0.99	1.86	52.89	16% :	-4.50	22.63
7	2.83	-1.50	0.90	1.68	54.58	25% :	0.00	1.00
10	2.00	-1.00	0.61	1.14	55.72	50% :	-2.65	6.27
14	1.41	-0.50	0.79	1.48	57.20	75% :	1.79	0.29
18	1.00	0.00	0.89	1.66	58.86	84% :	2.39	0.19
25	0.71	0.50	1.48	2.78	61.64	95% :	4.05	0.06
35	0.50	1.00	1.85	3.47	65.11			
45	0.35	1.50	3.08	5.79	70.90	Med.	-2.65	6.27
60	0.25	2.00	3.83	7.20	78.09	Mean	-1.59	3.00
80	0.18	2.50	4.02	7.55	85.64	St Dev.	3.06	
120	0.13	3.00	3.07	5.76	91.40	Skew	0.49	
170	0.09	3.50	1.03	1.93	93.34	Kurt.	2.03	
200	0.07	3.75	0.36	0.68	94.02			
230	0.06	4.00	0.32	0.60	94.62			
Pan			0.52	0.98	95.60			
Total			50.87	95.60	95.60			
						Moment	Statistics	
							Phi	mm
Cu =	82.29	Gravel			52	%	Mean	-1.44 2.71
		Coarse Sand			4	%	St. Dev.	2.95 0.13
		ed. Sand			12	%	Skewness	0.36
Cc =	0.09	Fine Sand			27	%	Kurtosis	1.37
		Silt/Clay			5	%		

SEA, INC.

U.S. STANDARD SIEVE OPENING U.S. STANDARD SIEVE NUMBERS HYDROMETER
IN INCHES



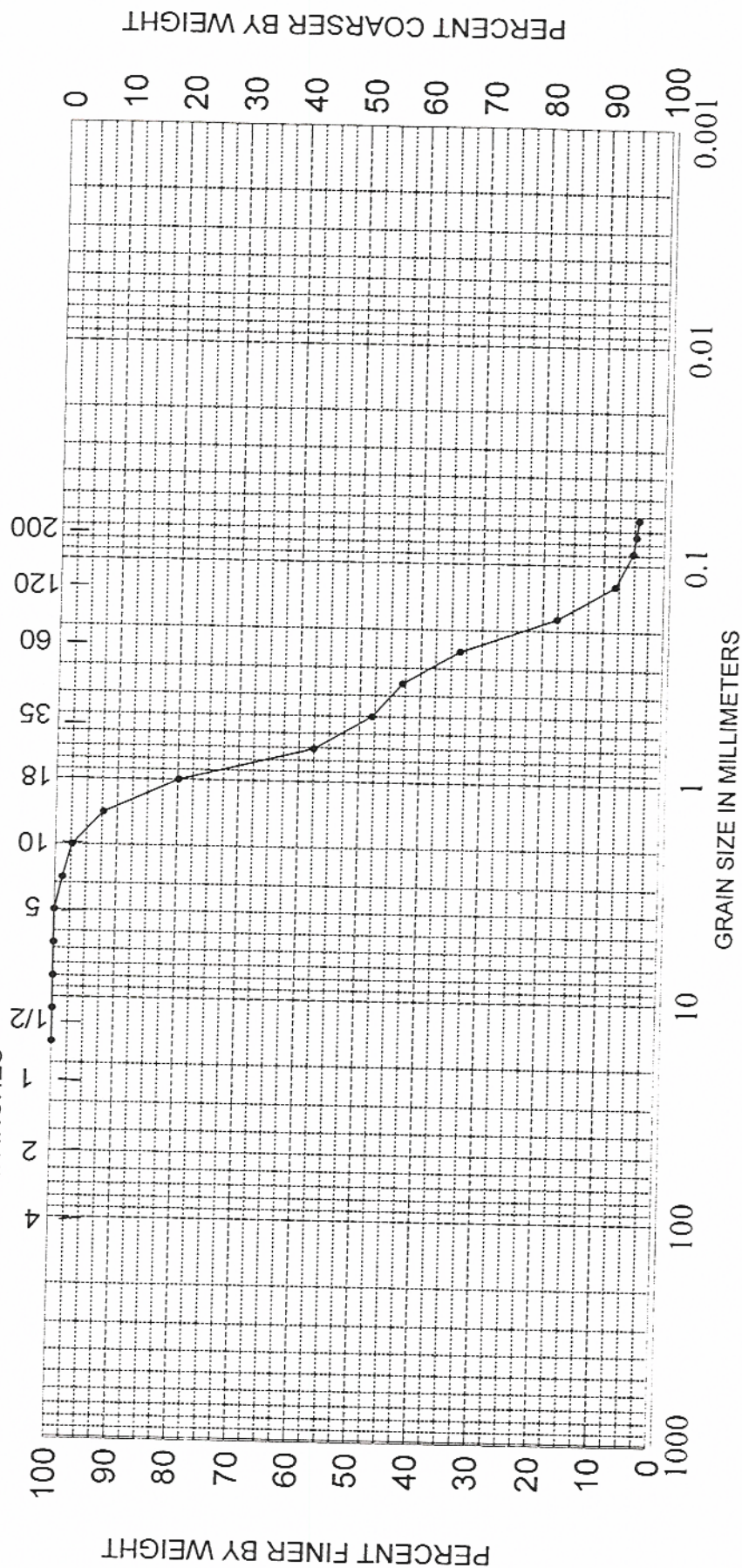
Sediment Analysis Data Sheet

Sample DCV-9-3.0

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% :	-0.77	1.70
5	4.00	-2.00	0.00	0.00	0.00	16% :	-0.17	1.12
7	2.83	-1.50	0.53	1.20	1.20	25% :	0.11	0.93
10	2.00	-1.00	0.63	1.45	2.65	50% :	0.89	0.54
14	1.41	-0.50	2.24	5.10	7.75	75% :	2.27	0.21
18	1.00	0.00	5.41	12.35	20.10	84% :	2.58	0.17
25	0.71	0.50	9.80	22.36	42.46	95% :	3.52	0.09
35	0.50	1.00	4.19	9.57	52.03			
45	0.35	1.50	2.17	4.96	56.98	Med.	0.89	0.54
60	0.25	2.00	4.13	9.43	66.41	Mean	1.10	0.47
80	0.18	2.50	7.00	15.98	82.39	St Dev.	1.34	
120	0.13	3.00	4.17	9.50	91.90	Skew	0.23	
170	0.09	3.50	1.25	2.85	94.75	Kurt.	0.81	
200	0.07	3.75	0.23	0.53	95.28			
230	0.06	4.00	0.18	0.42	95.69			
Pan			0.09	0.21	95.90			
Total			42.03	95.90	95.90			
						Moment Statistics		
							Phi	mm
Cu =	5.48	Gravel		0	%	Mean	1.27	0.42
		Coarse Sand		3	%	St. Dev.	1.26	0.42
		ed. Sand		52	%	Skewness	-0.05	
Cc =	0.54	Fine Sand		41	%	Kurtosis	2.03	
		Silt/Clay		4	%			

SEA, INC.

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IN INCHES



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GRAIN SIZE IN MILLIMETERS

COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO. 3.0	ELEV. -133.0	CLASSIFICATION Medium to fine sand (SP)		PROJECT	Dade County Deepwater Study	
				AREA	Dade Co., Florida	
				BORING NO.	DCV-9	
				DATE	March, 2000	