

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=957735.400 Y=509577.000				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 99-5				13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 3 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 12-10-99 12-10-99			
8. DEPTH DRILLED INTO ROCK 0 Ft.				17. ELEVATION TOP OF HOLE -128.6 Ft.			
9. TOTAL DEPTH OF HOLE 5.5 Ft.				18. TOTAL CORE RECOVERY FOR BORING 86 %			
				19. SIGNATURE OF G. ZARILLO, SEA, INC			
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS	
-128.6	.0					-128.6	0
-129.1	.5		Pale brown medium to fine carbonate sand, fragments of reef rock to 1 inch. 10 YR 8/2 (SP-GW)		0.5	Large reef rock fragment, 0.9-1.4 ft.	
-130.4	1.8		Very pale brown to white medium carbonate sand, large rock fragments. 10 yr 8/1-8/2 (SP-GW)	100	2.0		2.5
-131.9	3.3		Pale brown medium to fine carbonate sand, rock fragments to 3 inches. 10 YR 8/1-8/2 (SP-GW)		4.0		
-133.3	4.7		Pale brown medium to coarse carbonate sand, large rock fragments to 3 inches. 10 YR 8/3 (SP-GW)	0		-133.3	5
-134.1	5.5		Penetration depth			-134.1	5
							7.5
							10
							12.5
							15
							17.5
							20
							22.5

## Sediment Analysis Data Sheet

Sample DCV-5-0.5

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	4.40	10.16	10.16			
1/4	5.66	-2.50	4.57	10.54	20.70	5% :	-3.25	9.54
5	4.00	-2.00	1.86	4.29	24.99	16% :	-2.72	6.60
7	2.83	-1.50	1.07	2.46	27.45	25% :	-2.00	3.99
10	2.00	-1.00	0.71	1.63	29.08	50% :	1.46	0.36
14	1.41	-0.50	1.08	2.50	31.58	75% :	2.56	0.17
18	1.00	0.00	1.13	2.60	34.19	84% :	2.81	0.14
25	0.71	0.50	1.66	3.84	38.02	95% :	3.76	0.07
35	0.50	1.00	2.26	5.22	43.25			
45	0.35	1.50	3.18	7.35	50.60	Med.	1.46	0.36
60	0.25	2.00	3.97	9.17	59.77	Mean	0.52	0.70
80	0.18	2.50	5.69	13.13	72.90	St Dev.	2.45	
120	0.13	3.00	7.73	17.85	90.75	Skew	-0.43	
170	0.09	3.50	1.36	3.14	93.89	Kurt.	0.63	
200	0.07	3.75	0.37	0.86	94.75			
230	0.06	4.00	0.31	0.71	95.46			
Pan			0.32	0.74	96.20			
Total			41.67	96.20	96.20			
						Moment	Statistics	
							Phi	mm
Cu =	4.89	Gravel			23 %	Mean	0.62	0.65
		Coarse Sand			6 %	St. Dev.	2.38	0.19
		ed. Sand			18 %	Skewness	-0.53	
Cc =	0.46	Fine Sand			49 %	Kurtosis	1.65	
		Silt/Clay			5 %			

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## Sediment Analysis Data Sheet

Sample DCV-5-2.0

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	0.46	1.07	1.07	5% :	-1.24	2.36
5	4.00	-2.00	0.21	0.50	1.57	16% :	-0.02	1.01
7	2.83	-1.50	0.83	1.94	3.50	25% :	0.56	0.68
10	2.00	-1.00	1.23	2.87	6.37	50% :	1.94	0.26
14	1.41	-0.50	2.01	4.66	11.03	75% :	2.80	0.14
18	1.00	0.00	2.24	5.19	16.22	84% :	3.19	0.11
25	0.71	0.50	3.31	7.68	23.89	95% :	4.10	0.06
35	0.50	1.00	3.85	8.94	32.83			
45	0.35	1.50	3.93	9.13	41.96	Med.	1.94	0.26
60	0.25	2.00	3.94	9.15	51.11	Mean	1.70	0.31
80	0.18	2.50	6.05	14.05	65.16	St Dev.	1.61	
120	0.13	3.00	7.06	16.39	81.55	Skew	-0.21	
170	0.09	3.50	2.72	6.32	87.88	Kurt.	0.98	
200	0.07	3.75	0.72	1.67	89.54			
230	0.06	4.00	0.64	1.48	91.02			
Pan			0.29	0.68	91.70			
Total			39.49	91.70	91.70			
						Moment Statistics		
							Phi	mm
Cu =	0.16		Gravel	1	%	Mean	1.62	0.32
			Coarse Sand	5	%	St. Dev.	1.51	0.35
			ed. Sand	31	%	Skewness	-0.79	
Cc =	0.03		Fine Sand	54	%	Kurtosis	2.81	
			Silt/Clay	9	%			

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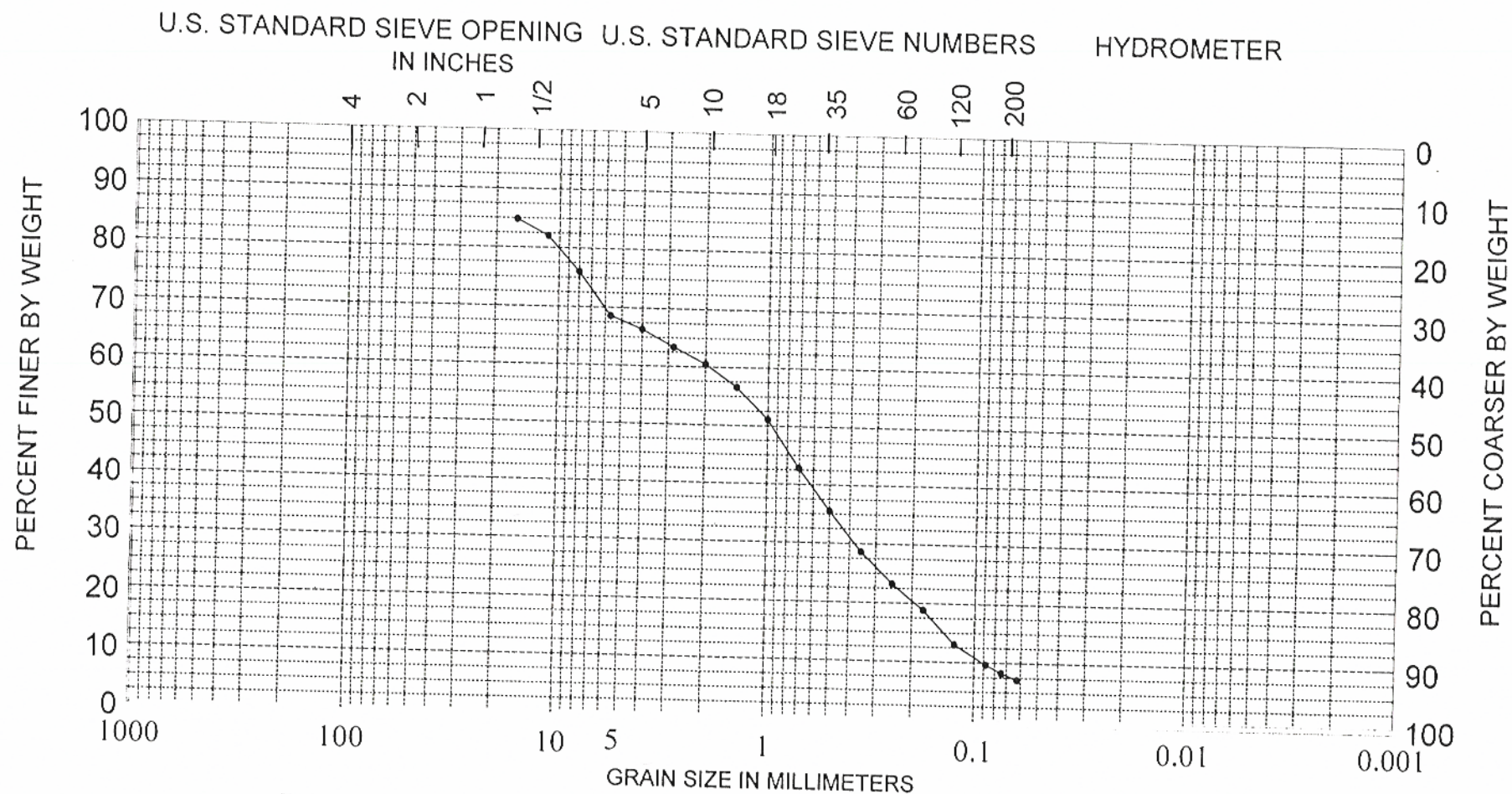
# Sediment Analysis Data Sheet

Sample DCV-5-4.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi mm	
5/8	16.00	-4.00	9.23	15.12	15.12			
1/2	11.31	-3.50	1.72	2.82	17.94			
5/16	8.00	-3.00	3.69	6.04	23.99			
1/4	5.66	-2.50	4.52	7.40	31.39	5% :	-4.60	24.25
5	4.00	-2.00	1.37	2.24	33.63	16% :	-3.84	14.36
7	2.83	-1.50	1.83	3.00	36.62	25% :	-2.93	7.63
10	2.00	-1.00	1.77	2.89	39.52	50% :	0.07	0.95
14	1.41	-0.50	2.39	3.92	43.43	75% :	1.84	0.28
18	1.00	0.00	3.33	5.46	48.89	84% :	2.74	0.15
25	0.71	0.50	5.04	8.26	57.15	95% :	4.10	0.06
35	0.50	1.00	4.48	7.34	64.49			
45	0.35	1.50	4.16	6.82	71.31	Med.	0.07	0.95
60	0.25	2.00	3.32	5.44	76.75	Mean	-0.34	1.27
80	0.18	2.50	2.71	4.44	81.19	St Dev.	2.97	
120	0.13	3.00	3.52	5.76	86.95	Skew	-0.13	
170	0.09	3.50	2.07	3.39	90.34	Kurt.	0.75	
200	0.07	3.75	0.84	1.38	91.72			
230	0.06	4.00	0.62	1.12	92.84			
Pan			0.41	0.67	93.52			
Total			57.03	93.52	93.52			
						Moment Statistics		
							Phi	mm
Cu =	20.93	Gravel			33 %	Mean	-0.53	1.44
		Coarse Sand			7 %	St. Dev.	2.61	0.16
		ed. Sand			28 %	Skewness	-0.13	
Cc =	0.81	Fine Sand			25 %	Kurtosis	1.55	
		Silt/Clay			7 %			

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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.

4.0

ELEV.

-132.6

CLASSIFICATION

Well Graded medium to fine sand  
and gravel (SW)

PROJECT Dade County Deepwater Study

AREA Dade Co., Florida

BORING NO. DCV-5

DATE March, 2000