

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=957881.00 Y=493427.900				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 99-8				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 -132.5 Ft.			
9. TOTAL DEPTH OF HOLE 12.2 Ft.				18. TOTAL CORE RECOVERY FOR BORING 75 %			
				19. SIGNATURE OF G. ZARILLO, SEA, INC.			
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS	
-132.5	0					-132.5	0
			Very pale brown to white medium to fine carbonate sand, large reef rock fragments to 4 inches. 10 YR 8/1-8/2 (SP-GW)		0.5	Large sand-filled worm tube, 0-0.7 ft.	
						Large rock fragment, 1.2 ft.	
-135.4	2.9			100	3.0		2.5
			Pale brown to medium white, medium carbonate sand, scattered large shell fragments to 2 inches. 10 YR 8/1-8/3 (SP)				
-137.4	4.9					-137.5	5
			Pale brown fine carbonate sand. 10 YR 8/2 (SP)				
				100	7.0		7.5
-141.7	9.2					-141.7	10
				0			
-144.7	12.2					-144.7	12.5
			Penetration depth				
							15
							17.5
							20
						Composite 0-8.4 ft.	22.5

Sediment Analysis Data Sheet

Sample DCV-8-0.5

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	0.59	1.48	1.48			
1/4	5.66	-2.50	0.36	0.90	2.38	5% :	-1.90	3.74
5	4.00	-2.00	0.71	1.79	4.17	16% :	-0.57	1.48
7	2.83	-1.50	1.68	4.24	8.41	25% :	0.04	0.97
10	2.00	-1.00	1.25	3.16	11.57	50% :	1.45	0.37
14	1.41	-0.50	2.03	5.12	16.69	75% :	2.49	0.18
18	1.00	0.00	3.02	7.61	24.30	84% :	2.82	0.14
25	0.71	0.50	3.75	9.44	33.74	95% :	4.05	0.06
35	0.50	1.00	3.09	7.78	41.52			
45	0.35	1.50	3.74	9.44	50.96	Med.	1.45	0.37
60	0.25	2.00	4.18	10.53	61.48	Mean	1.24	0.42
80	0.18	2.50	5.48	13.82	75.31	St Dev.	1.75	
120	0.13	3.00	5.32	13.42	88.72	Skew	-0.16	
170	0.09	3.50	1.56	3.94	92.66	Kurt.	0.99	
200	0.07	3.75	0.47	1.17	93.84			
230	0.06	4.00	0.36	0.91	94.75			
Pan			0.42	1.05	95.80			
Total			38.01	95.80	95.80			

Cu = 4.79

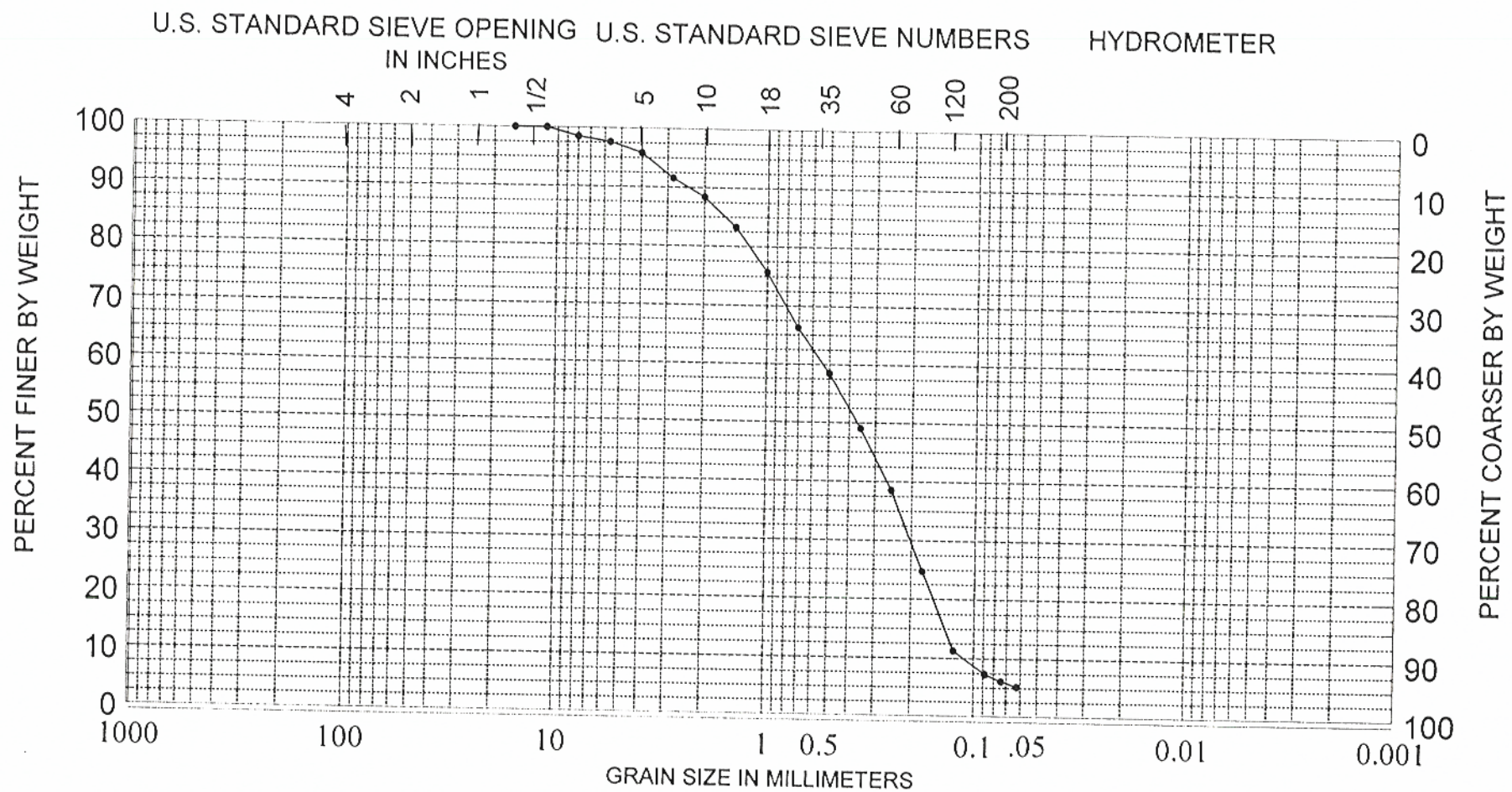
Gravel
Coarse Sand
ed. Sand
Fine Sand
Silt/Clay

3 %
8 %
35 %
49 %
5 %

Cc = 0.68

SEA, INC.

Moment	Statistics	
	Phi	mm
Mean	1.23	0.43
St. Dev.	1.67	0.32
Skewness	-0.70	
Kurtosis	2.66	



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		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

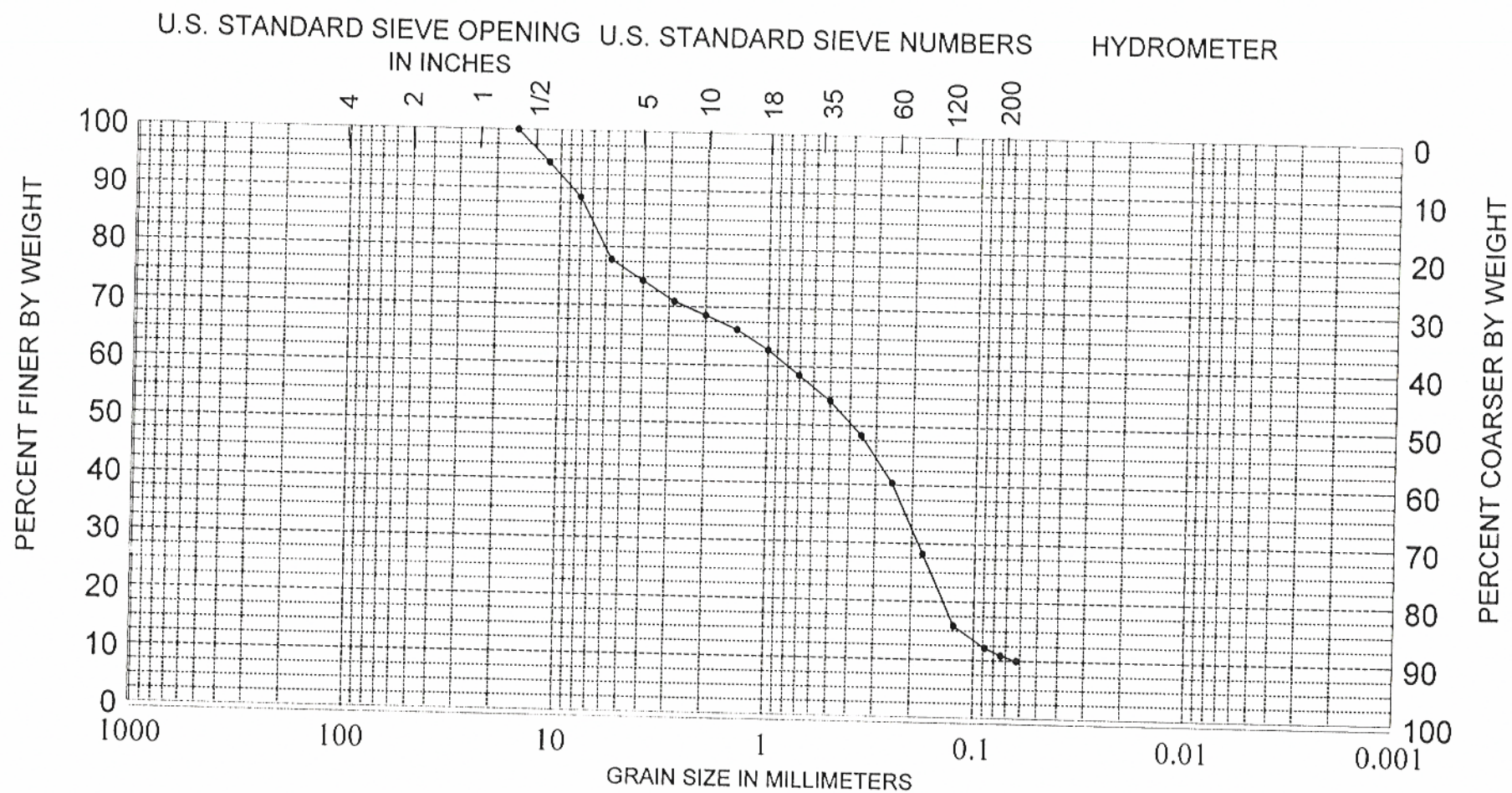
SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT
0.5	-133.0	Medium to fine sand (SP)	Dade County Deepwater Study
			AREA Dade Co., Florida
			BORING NO. DCV-8
			DATE March, 2000

Sediment Analysis Data Sheet

Sample DCV-8-3.0

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	2.02	5.49	5.49			
5/16	8.00	-3.00	2.17	5.92	11.41			
1/4	5.66	-2.50	3.95	10.76	22.17	5% :	-3.54	11.67
5	4.00	-2.00	1.28	3.49	25.66	16% :	-2.79	6.90
7	2.83	-1.50	1.28	3.49	29.14	25% :	-2.09	4.27
10	2.00	-1.00	0.85	2.32	31.47	50% :	1.36	0.39
14	1.41	-0.50	0.87	2.36	33.83	75% :	2.63	0.16
18	1.00	0.00	1.25	3.41	37.24	84% :	2.99	0.13
25	0.71	0.50	1.57	4.26	41.50	95% :	4.20	0.05
35	0.50	1.00	1.57	4.29	45.79			
45	0.35	1.50	2.14	5.83	51.62	Med.	1.36	0.39
60	0.25	2.00	2.93	7.98	59.60	Mean	0.52	0.70
80	0.18	2.50	4.48	12.21	71.81	St Dev.	2.62	
120	0.13	3.00	4.52	12.32	84.13	Skew	-0.35	
170	0.09	3.50	1.38	3.75	87.87	Kurt.	0.67	
200	0.07	3.75	0.45	1.23	89.11			
230	0.06	4.00	0.33	0.89	90.00			
Pan			0.11	0.30	90.30			
Total			33.14	90.30	90.30			
						Moment	Statistics	
							Phi	mm
Cu =	0.56	Gravel			24 %	Mean	0.35	0.78
		Coarse Sand			8 %	St. Dev.	2.49	0.18
		ed. Sand			17 %	Skewness	-0.38	
Cc =	0.03	Fine Sand			41 %	Kurtosis	1.53	
		Silt/Clay			10 %			

SEA, INC.



PHI

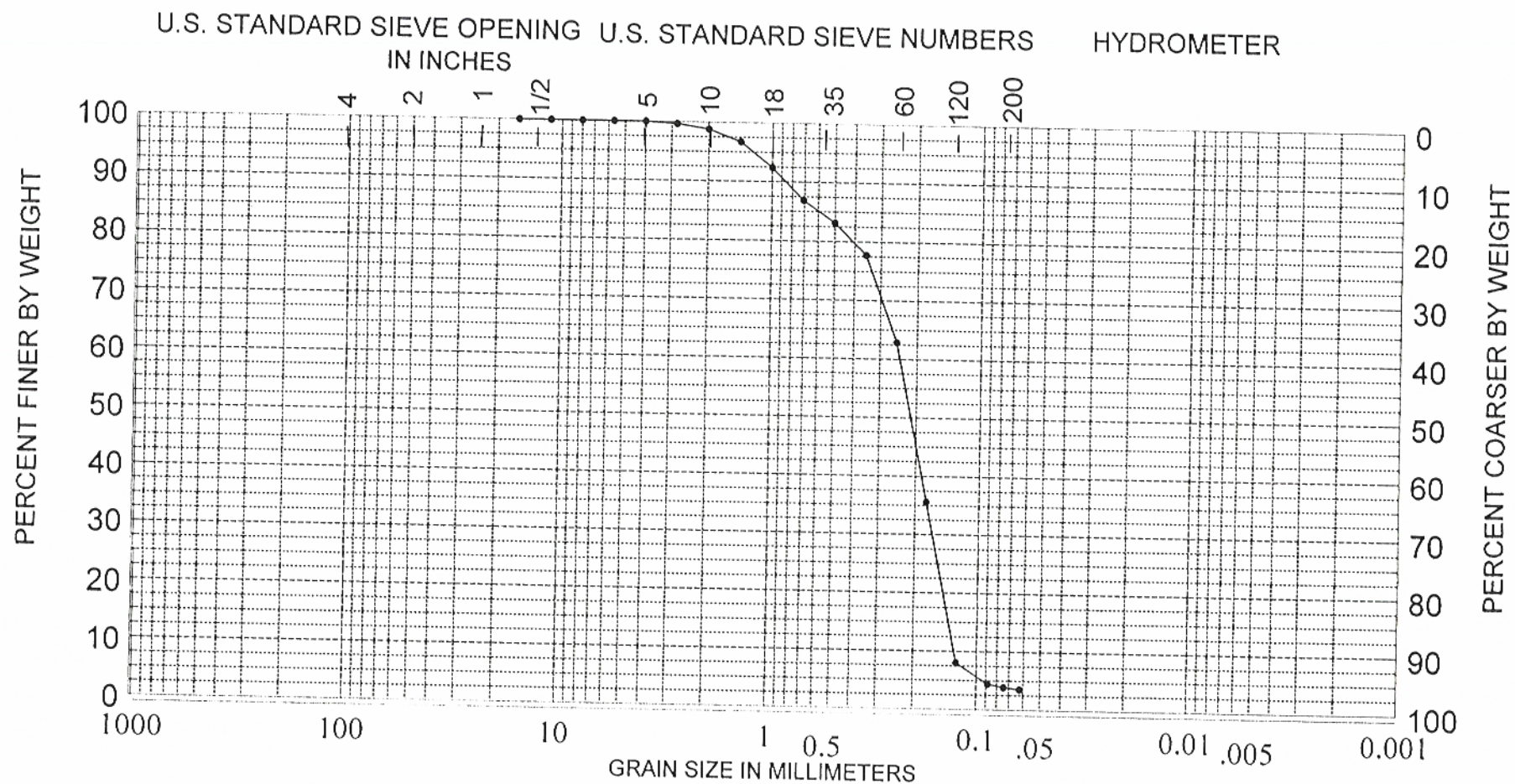
-6.0	-5.0	-4.0	-3.0	-2.0	-1.0	-0.0	1.0	2.0	3.0	4.0	5.0
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COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

SAMPLE NO.	ELEV.	CLASSIFICATION	PROJECT
3.0	-135.5	Gravel and fine sand (SP)	Dade County Deepwater Study
			AREA Dade Co., Florida
			BORING NO. DCV-8
			DATE March, 2000

Sample DCV-8-7.0

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

SAND

SILT OR CLAY

COARSE

FINE

COARSE

MEDIUM

FINE

SAMPLE NO.

ELEV.

CLASSIFICATION

PROJECT Dade County Deepwater Study

7.0

-139.5

Fine sand (SP)

AREA Dade Co., Florida

BORING NO. DCV-8

DATE March, 2000