

DRILLING LOG		DIVISION: South Atlantic	INSTALLATION: Jacksonville District	SHEET 1 of 1
1. PROJECT		DELRAY BEACH		10. SIZE AND TYPE OF BIT 3"
2. LOCATION (Coordinates or Station) X= 966907 Y= 768362				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NGVD
3. DRILLING AGENCY:		ALPINE SEISMIC		12. MANUFACTURER'S DESIGNATION OF DRILL ALPINE PNEUMATIC
4. HOLE NO. (As shown on drawing title and file number) DB-99-25				13. TOT NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 0.0 undisturbed: 0.0
5. NAME OF DRILLER		ROB SUSKO		14. TOTAL NO. OF CORE BOXES 1
6. DIRECTION OF HOLE		VERTICAL		15. ELEVATION GROUND WATER
7. THICKNESS OF BURDEN 0.0 FT				16. DATE HOLE Started Completed 4/20/99 4/20/99
8. DEPTH DRILLED INTO ROCK 0.0 FT				17. ELEVATION TOP OF HOLE -63.0 ft.
9. TOTAL DEPTH OF HOLE 18.6' FT				18. TOTAL CORE RECOVERY FOR BORING 95%
				19. SIGNATURE OF GEOLOGIST IBRAHIM DREMALI

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS
-63	0					SP
-65.2	2		3.5" coral fragment		1	Sample #1, Depth = 4.0' 0.17 mm, 0.83 phi sorting 1.96% silt
-65.8	3					
	4					
	5					
	6					
	7					
	8					
	9				2	Sample #2, Depth = 9.0' 0.18 mm, 0.85 phi sorting 2.62% silt
	10		SAND, fine grained, trace shell hash, Gray (5Y-6/1) (SP)			
	11					
	12					
	13					
	14					
	15				3	Sample #3, Depth = 15.0' 0.18 mm, 0.75 phi sorting 2.25% silt
	16					
	17					
-81.6	18					
	19		End of Boring			
	20					
	21					
	22					Note: Soils are classified in accordance with the Unified Soils Classification System.
	23					
	24					

PROJECT: Delray Beach

HOLE NUMBER:

GRADATION ANALYSIS REPORT
DELRAY BEACH VIBRACORES 1999
TESTED BY: RW ON: 8/99

SAMPLE NO.: DB99-25 #1
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.43
SAMPLE WEIGHT AFTER WASH (GRAMS): 97.64

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.00	0.00	100.00
5	-2.00	4.000	0.82	0.82	99.18
7	-1.50	2.800	1.13	1.14	98.86
10	-1.00	2.000	1.55	1.56	98.44
14	-0.50	1.400	1.92	1.93	98.07
18	0.00	1.000	2.29	2.30	97.70
25	0.50	0.710	2.90	2.92	97.08
35	1.00	0.500	3.80	3.82	96.18
45	1.50	0.355	5.23	5.26	94.74
60	2.00	0.250	10.53	10.59	89.41
80	2.50	0.180	29.06	29.23	70.77
120	3.00	0.125	76.03	76.47	23.53
170	3.50	0.090	97.14	97.70	2.30
200	3.75	0.075	97.48	98.04	1.96
230	4.00	0.063	98.45	99.01	0.99
PAN			99.41	99.98	0.02

PHI(5): 1.41 PHI(16): 2.15 PHI(25): 2.39
PHI(50): 2.72 PHI(75): 2.98 PHI(84): 3.18
PHI(95): 3.44

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.96%
SKEWNESS: -0.575 KURTOSIS: 1.389

GRAPHIC METHOD

MEAN (PHI): 2.58 SORTING: 0.52
MEAN (mm) : 0.17 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.57 SORTING: 0.83
MEAN (mm) : 0.17

DATA FILE NAME: DB99-25#1.TAB

GRADATION ANALYSIS REPORT
DELRAY BEACH VIBRACORES 1999
TESTED BY: RW ON: 8/99

SAMPLE NO.: DB99-25 #2
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 95.09
SAMPLE WEIGHT AFTER WASH (GRAMS): 92.92

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.08	0.08	99.92
5	-2.00	4.000	0.14	0.15	99.85
7	-1.50	2.800	0.45	0.47	99.53
10	-1.00	2.000	0.90	0.95	99.05
14	-0.50	1.400	1.74	1.83	98.17
18	0.00	1.000	2.91	3.06	96.94
25	0.50	0.710	4.15	4.36	95.64
35	1.00	0.500	5.91	6.22	93.78
45	1.50	0.355	8.49	8.93	91.07
60	2.00	0.250	14.78	15.54	84.46
80	2.50	0.180	33.43	35.16	64.84
120	3.00	0.125	77.14	81.12	18.88
170	3.50	0.090	92.23	96.99	3.01
200	3.75	0.075	92.60	97.38	2.62
230	4.00	0.063	93.82	98.67	1.33
PAN			95.07	99.98	0.02

PHI(5): 0.67 PHI(16): 2.01 PHI(25): 2.24
PHI(50): 2.66 PHI(75): 2.93 PHI(84): 3.09
PHI(95): 3.44

SIEVE LOSS(g): 0.02 SILT/CLAY: 2.62%
SKEWNESS: -1.125 KURTOSIS: 1.637

GRAPHIC METHOD
MEAN (PHI): 2.37 SORTING: 0.54
MEAN (mm) : 0.19 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
MEAN (PHI): 2.46 SORTING: 0.85
MEAN (mm) : 0.18

DATA FILE NAME: DB99-25#2.TAB

GRADATION ANALYSIS REPORT
DELRAY BEACH VIBRACORES 1999
TESTED BY: RW ON: 8/99

SAMPLE NO.: DB99-25 #3
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 15.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 92.33
SAMPLE WEIGHT AFTER WASH (GRAMS): 90.50

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.00	0.00	100.00
5	-2.00	4.000	0.28	0.30	99.70
7	-1.50	2.800	0.42	0.45	99.55
10	-1.00	2.000	0.56	0.61	99.39
14	-0.50	1.400	0.76	0.82	99.18
18	0.00	1.000	1.18	1.28	98.72
25	0.50	0.710	2.15	2.33	97.67
35	1.00	0.500	3.87	4.19	95.81
45	1.50	0.355	6.42	6.95	93.05
60	2.00	0.250	15.44	16.72	83.28
80	2.50	0.180	35.71	38.68	61.32
120	3.00	0.125	74.03	80.18	19.82
170	3.50	0.090	89.79	97.25	2.75
200	3.75	0.075	90.25	97.75	2.25
230	4.00	0.063	91.33	98.92	1.08
PAN			92.33	100.00	0.00

PHI(5): 1.15 PHI(16): 1.96 PHI(25): 2.19
PHI(50): 2.64 PHI(75): 2.94 PHI(84): 3.11
PHI(95): 3.43

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.25%
SKEWNESS: -0.603 KURTOSIS: 1.252

GRAPHIC METHOD

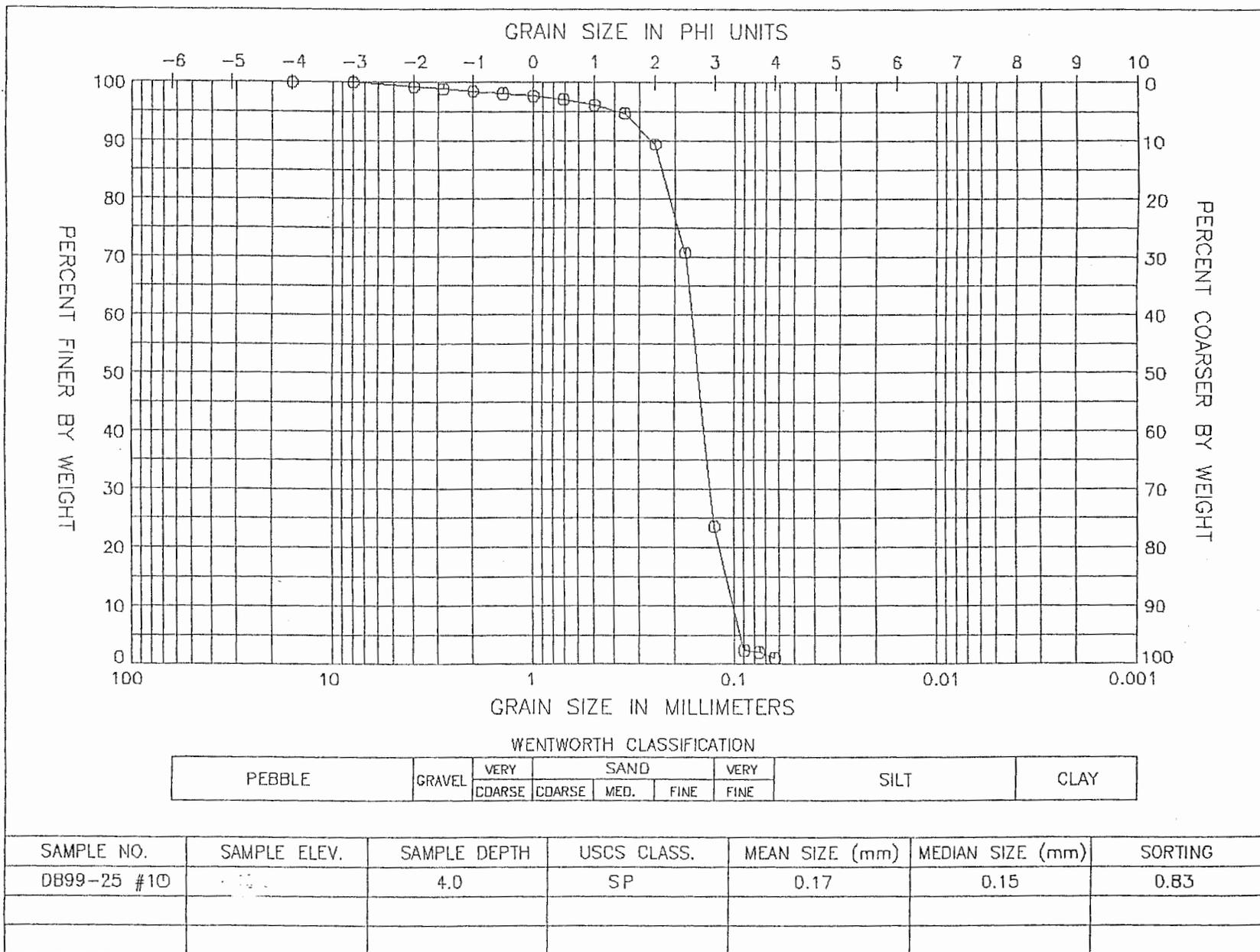
MEAN (PHI): 2.46 SORTING: 0.57
MEAN (mm) : 0.18 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

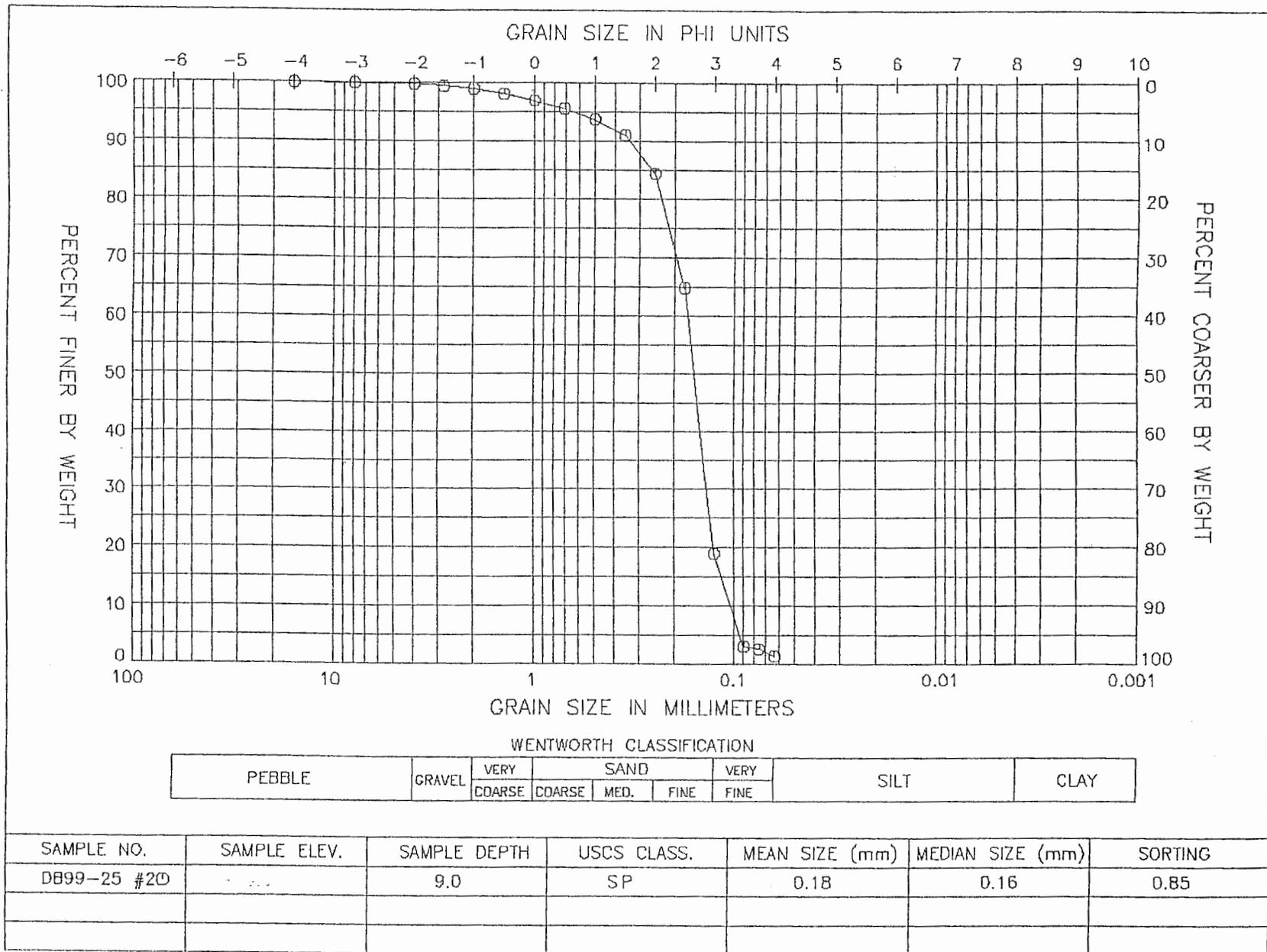
MEAN (PHI): 2.49 SORTING: 0.75
MEAN (mm) : 0.18

DATA FILE NAME: DB99-25#3.TAB

GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999



GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999



GRAIN SIZE DISTRIBUTION CURVE
 DELRAY BEACH VIBRACORES 1999

