

DRILLING LOG		DIVISION: South Atlantic	INSTALLATION: Jacksonville District	SHEET 1 of 1
1. PROJECT		DELRAY BEACH		
2. LOCATION		(Coordinates or Station) X= 966549 Y= 769408		
3. DRILLING AGENCY:		ALPINE SEISMIC		
4. HOLE NO.		(As shown on drawing title and file number) DB-99-24		
5. NAME OF DRILLER		ROB SUSKO		
6. DIRECTION OF HOLE		VERTICAL		
7. THICKNESS OF BURDEN		0.0 FT		
8. DEPTH DRILLED INTO ROCK		0.0 FT		
9. TOTAL DEPTH OF HOLE		17.6' FT		
10. SIZE AND TYPE OF BIT		3"		
11. DATUM FOR ELEVATION SHOWN		(TBM or MSL) NGVD		
12. MANUFACTURER'S DESIGNATION OF DRILL		ALPINE PNEUMATIC		
13. TOT NO. OF OVERBURDEN SAMPLES TAKEN		disturbed: 0.0 undisturbed: 0.0		
14. TOTAL NO. OF CORE BOXES		1		
15. ELEVATION GROUND WATER				
16. DATE HOLE		Started Completed 4/20/99 4/20/99		
17. ELEVATION TOP OF HOLE		-60.0 ft.		
18. TOTAL CORE RECOVERY FOR BORING		90%		
19. SIGNATURE OF GEOLOGIST		IBRAHIM DREMLI		

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS
-60	0					SP
	1					
	2					
	3					
	4				1	Sample #1, Depth = 4.0' 0.21 mm, 0.68 phi sorting 1.27% silt
	5					
	6					
	7					
	8					
	9		SAND, fine-grained, trace shell hash, Gray (5Y-6/1) (SP)		2	Sample #2, Depth = 9.0' 0.24 mm, 0.94 phi sorting 1.90% silt
	10					
	11					
	12					
	13					
	14					
	15				3	Sample #3, Depth = 14.0' 0.21 mm, 0.68 phi sorting 1.62% silt
	16					
-77.6	17					
	18		End of Boring			
	19					
	20					
	21					
	22					
	23					
	24					

Note: Soils are classified in
accordance with the Unified
Soils Classification System.

PROJECT: Delray Beach

HOLE NUMBER:

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

SAMPLE NO.: DB99-24 S#1
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 105.84
SAMPLE WEIGHT AFTER WASH (GRAMS): 104.56

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	0.10	0.09	99.91
7	-1.50	2.800	0.28	0.26	99.74
10	-1.00	2.000	0.46	0.43	99.57
14	-0.50	1.400	0.78	0.74	99.26
18	0.00	1.000	1.25	1.18	98.82
25	0.50	0.710	2.05	1.94	98.06
35	1.00	0.500	4.46	4.21	95.79
45	1.50	0.355	10.42	9.85	90.15
60	2.00	0.250	27.21	25.71	74.29
80	2.50	0.180	61.34	57.96	42.04
120	3.00	0.125	98.35	92.92	7.08
170	3.50	0.090	104.40	98.64	1.36
200	3.75	0.075	104.50	98.73	1.27
230	4.00	0.063	105.17	99.37	0.63
PAN			105.84	100.00	0.00

PHI(5): 1.07 PHI(16): 1.69 PHI(25): 1.98
PHI(50): 2.38 PHI(75): 2.74 PHI(84): 2.87
PHI(95): 3.18

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.27%
SKEWNESS: -0.426 KURTOSIS: 1.130

GRAPHIC METHOD

MEAN (PHI): 2.24 SORTING: 0.59
MEAN (mm) : 0.21 MEDIAN (mm): 0.19
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.27 SORTING: 0.68
MEAN (mm) : 0.21

DATA FILE NAME: DB99-24#1.TAB

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

SAMPLE NO.: DB99-24 S#2
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 98.39
SAMPLE WEIGHT AFTER WASH (GRAMS): 96.73

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	0.87	0.88	99.12
7	-1.50	2.800	1.51	1.53	98.47
10	-1.00	2.000	2.54	2.58	97.42
14	-0.50	1.400	3.43	3.49	96.51
18	0.00	1.000	3.98	4.05	95.95
25	0.50	0.710	4.72	4.80	95.20
35	1.00	0.500	6.06	6.16	93.84
45	1.50	0.355	8.73	8.87	91.13
60	2.00	0.250	19.92	20.25	79.75
80	2.50	0.180	48.92	49.72	50.28
120	3.00	0.125	87.62	89.05	10.95
170	3.50	0.090	96.33	97.91	2.09
200	3.75	0.075	96.52	98.10	1.90
230	4.00	0.063	97.48	99.08	0.92
PAN			98.37	99.98	0.02

PHI(5): 0.57 PHI(16): 1.81 PHI(25): 2.08
PHI(50): 2.50 PHI(75): 2.82 PHI(84): 2.94
PHI(95): 3.34

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.90%
SKEWNESS: -0.977 KURTOSIS: 1.528

GRAPHIC METHOD

MEAN (PHI): 2.23 SORTING: 0.56
MEAN (mm): 0.21 MEDIAN (mm): 0.18

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.29 SORTING: 0.94
MEAN (mm): 0.20

DATA FILE NAME: DB99-24#2.TAB

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

SAMPLE NO.: DB99-24 S#3
SAMPLE ELEV. (FT. NGVD):
SAMPLE DEPTH (FT.): 14.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 102.29
SAMPLE WEIGHT AFTER WASH (GRAMS): 100.68

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	0.22	0.22	99.78
7	-1.50	2.800	0.23	0.22	99.78
10	-1.00	2.000	0.37	0.36	99.64
14	-0.50	1.400	0.66	0.65	99.35
18	0.00	1.000	1.08	1.06	98.94
25	0.50	0.710	2.05	2.00	98.00
35	1.00	0.500	4.34	4.24	95.76
45	1.50	0.355	9.22	9.01	90.99
60	2.00	0.250	27.29	26.68	73.32
80	2.50	0.180	62.95	61.54	38.46
120	3.00	0.125	95.04	92.91	7.09
170	3.50	0.090	100.47	98.22	1.78
200	3.75	0.075	100.63	98.38	1.62
230	4.00	0.063	101.47	99.19	0.81
PAN			102.28	99.99	0.01

PHI(5): 1.08 PHI(16): 1.70 PHI(25): 1.95
PHI(50): 2.33 PHI(75): 2.71 PHI(84): 2.86
PHI(95): 3.20

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.62%
SKEWNESS: -0.339 KURTOSIS: 1.139

GRAPHIC METHOD

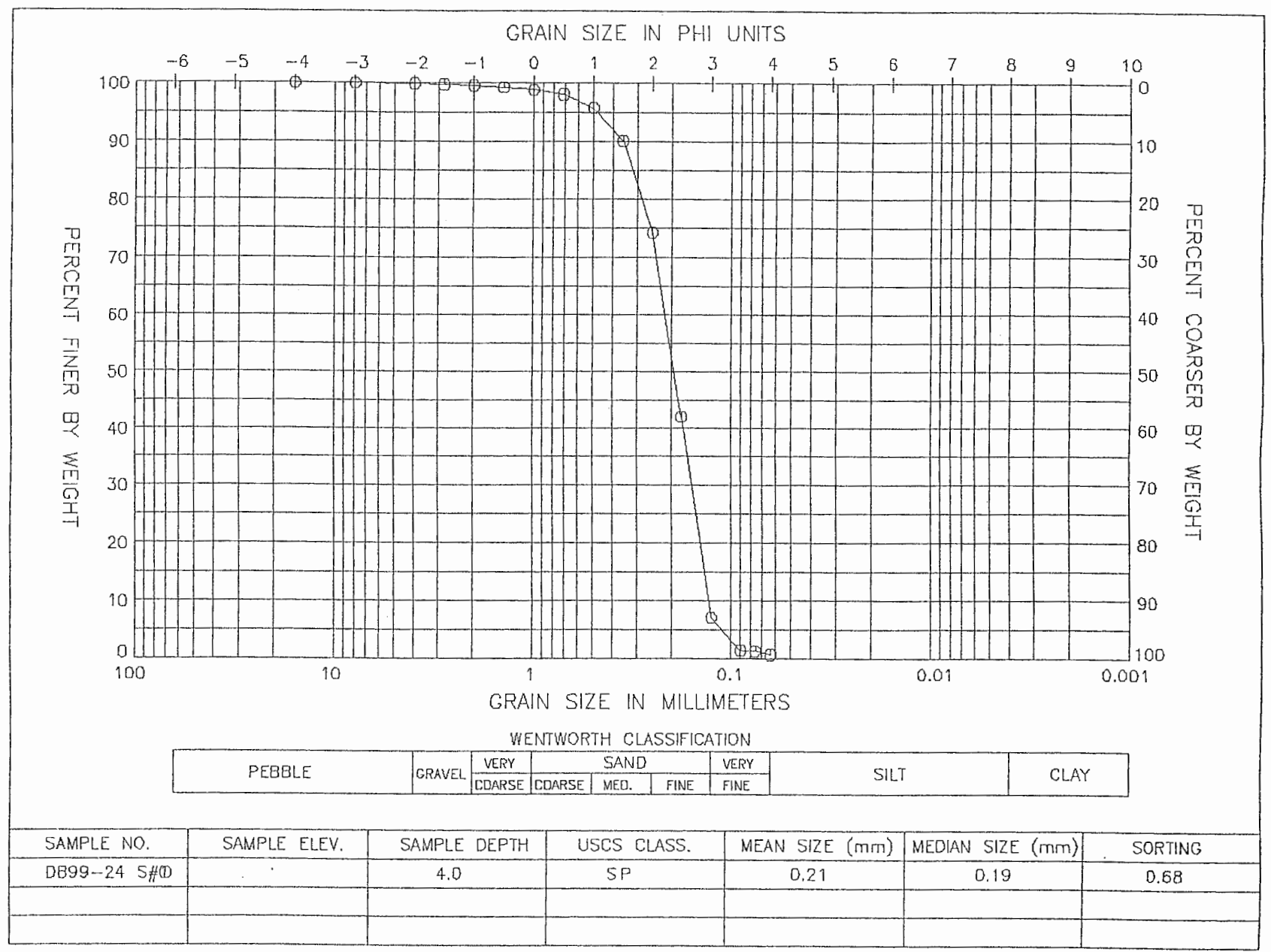
MEAN (PHI): 2.23 SORTING: 0.58
MEAN (mm): 0.21 MEDIAN (mm): 0.20
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

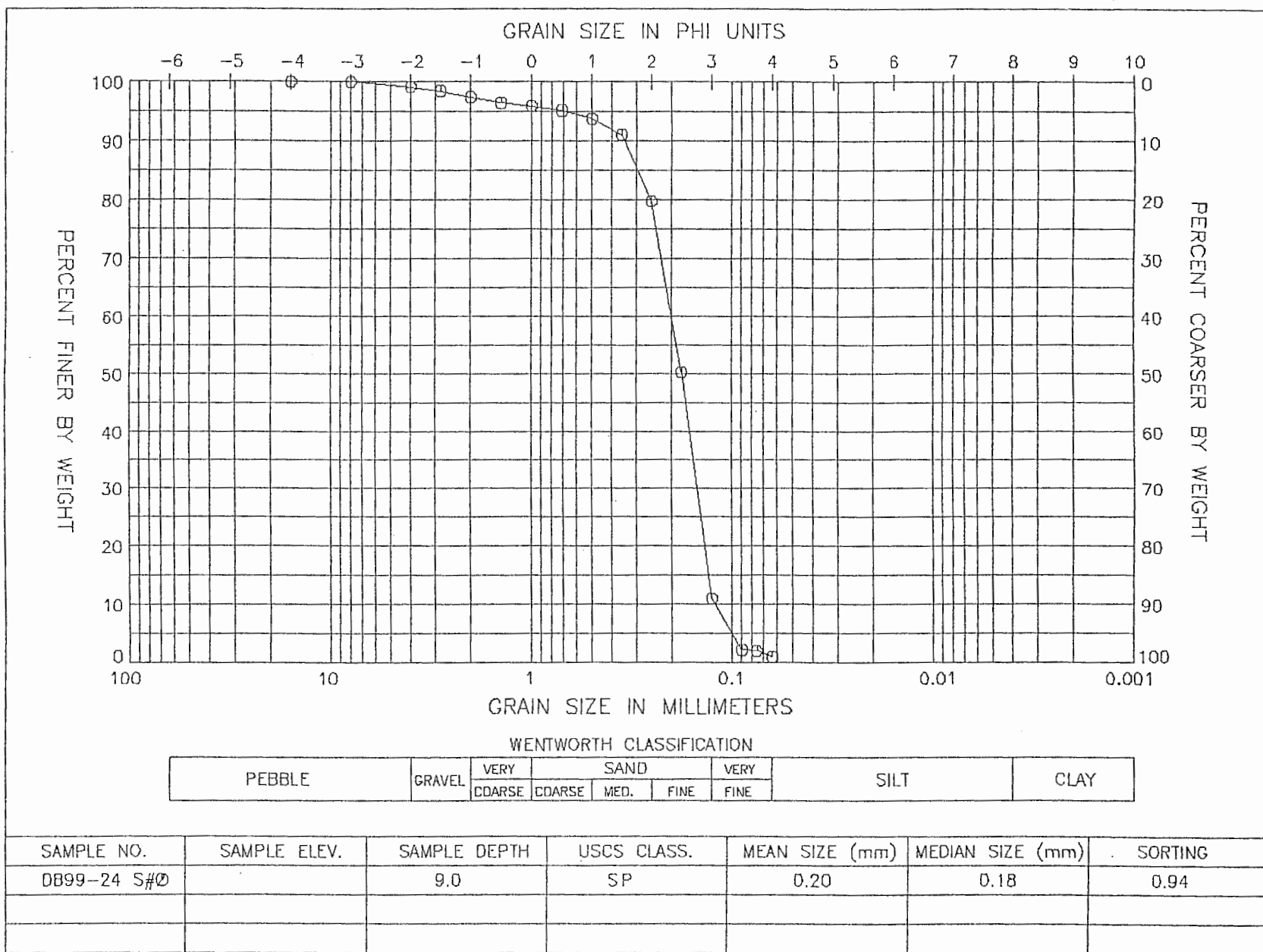
MEAN (PHI): 2.25 SORTING: 0.68
MEAN (mm): 0.21

DATA FILE NAME: DB99-24#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

