

GRADATION ANALYSIS REPORT
N. BOCA RATON BORROW AREA VC 9/84
TESTED BY: MDA ON: 09-02-94

SAMPLE NO.: BR9 S#21
SAMPLE ELEV. (FT. NGVD): -48.7
SAMPLE DEPTH (FT.): -1.7
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 67.75
SAMPLE WEIGHT AFTER WASH (GRAMS): 64.77

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.00	.00	100.00
7	-1.5	2.800	.19	.28	99.72
10	-1.0	2.000	.58	.86	99.14
14	-0.5	1.400	1.18	1.74	98.26
18	0.0	1.000	1.82	2.69	97.31
25	0.5	.710	3.14	4.63	95.37
35	1.0	.500	5.81	8.58	91.42
45	1.5	.355	8.83	13.03	86.97
60	2.0	.250	19.23	28.38	71.62
80	2.5	.180	41.35	61.03	38.97
120	3.0	.125	60.18	88.83	11.17
170	3.5	.090	64.03	94.51	5.49
200	3.75	.075	64.54	95.26	4.74
230	4.0	.063	66.23	97.76	2.24
PAN			67.75	100.00	.00

PHI(5): .55	PHI(16): 1.60	PHI(25): 1.89
PHI(50): 2.33	PHI(75): 2.75	PHI(84): 2.91
PHI(95): 3.66		

SIEVE LOSS(g): .00	SILT/CLAY: 4.74%
SKEWNESS: -.453	KURTOSIS: 1.483

GRAPHIC METHOD

MEAN (PHI): 2.21	SORTING: .66
MEAN (mm): .22	MEDIAN (mm): .20
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD	

MOMENT METHOD

MEAN (PHI): 2.19	SORTING: .85
MEAN (mm): .22	

DATA FILE NAME: B:VC9S#21.TAB

GRADATION ANALYSIS REPORT
N. BOCA RATON BORROW AREA VC 9/84
TESTED BY: MDA ON: 09-02-94

SAMPLE NO.: BR9 S#22
SAMPLE ELEV. (FT. NGVD): -51.5
SAMPLE DEPTH (FT.): -4.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 71.91
SAMPLE WEIGHT AFTER WASH (GRAMS): 70.38

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.34	.47	99.53
7	-1.5	2.800	.66	.92	99.08
10	-1.0	2.000	1.38	1.92	98.08
14	-0.5	1.400	2.33	3.24	96.76
18	0.0	1.000	3.32	4.62	95.38
25	0.5	.710	5.43	7.55	92.45
35	1.0	.500	10.29	14.31	85.69
45	1.5	.355	16.44	22.86	77.14
60	2.0	.250	31.88	44.33	55.67
80	2.5	.180	54.19	75.36	24.64
120	3.0	.125	68.40	95.12	4.88
170	3.5	.090	70.26	97.71	2.29
200	3.75	.075	70.32	97.79	2.21
230	4.0	.063	71.12	98.89	1.11
PAN			71.89	99.97	.03

PHI(5): .07 PHI(16): 1.10 PHI(25): 1.55
PHI(50): 2.09 PHI(75): 2.49 PHI(84): 2.72
PHI(95): 3.00

SIEVE LOSS(g): .02 SILT/CLAY: 2.21%
SKEWNESS: -1.120 KURTOSIS: 1.272

GRAPHIC METHOD

MEAN (PHI): 1.79 SORTING: .81
MEAN (mm) : .29 MEDIAN (mm): .23
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.89 SORTING: .95
MEAN (mm) : .27

DATA FILE NAME: B:VC9S#22.TAB

GRADATION ANALYSIS REPORT
N. BOCA RATON BORROW AREA VC 9/84
TESTED BY: MDA ON: 09-02-94

SAMPLE NO.: BR9 S#23
SAMPLE ELEV. (FT. NGVD): -53.5
SAMPLE DEPTH (FT.): -6.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 82.16
SAMPLE WEIGHT AFTER WASH (GRAMS): 80.60

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.24	.29	99.71
7	-1.5	2.800	.33	.40	99.60
10	-1.0	2.000	.45	.55	99.45
14	-0.5	1.400	.71	.86	99.14
18	0.0	1.000	.99	1.20	98.80
25	0.5	.710	2.03	2.47	97.53
35	1.0	.500	6.17	7.51	92.49
45	1.5	.355	13.29	16.18	83.82
60	2.0	.250	34.46	41.94	58.06
80	2.5	.180	62.98	76.66	23.34
120	3.0	.125	78.70	95.79	4.21
170	3.5	.090	80.44	97.91	2.09
200	3.75	.075	80.50	97.98	2.02
230	4.0	.063	81.30	98.95	1.05
PAN			82.08	99.90	.10

PHI(5): .75 PHI(16): 1.49 PHI(25): 1.67
PHI(50): 2.12 PHI(75): 2.48 PHI(84): 2.69
PHI(95): 2.98

SIEVE LOSS(g): .08 SILT/CLAY: 2.02%
SKEWNESS: -.502 KURTOSIS: 1.135

GRAPHIC METHOD

MEAN (PHI): 2.01 SORTING: .60
MEAN (mm): .25 MEDIAN (mm): .23
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.02 SORTING: .72
MEAN (mm): .25

DATA FILE NAME: B:VC9S#23.TAB

GRADATION ANALYSIS REPORT

N. BOCA RATON BORROW AREA VC 9/84

TESTED BY: MDA ON: 09-02-94

SAMPLE NO.: BR9 S#24

SAMPLE ELEV. (FT. NGVD): -59.5

SAMPLE DEPTH (FT.): -12.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 81.99

SAMPLE WEIGHT AFTER WASH (GRAMS): 78.27

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.40	.49	99.51
7	-1.5	2.800	.62	.76	99.24
10	-1.0	2.000	.91	1.11	98.89
14	-0.5	1.400	1.56	1.90	98.10
18	0.0	1.000	2.39	2.91	97.09
25	0.5	.710	4.74	5.78	94.22
35	1.0	.500	13.18	16.08	83.92
45	1.5	.355	26.29	32.06	67.94
60	2.0	.250	50.88	62.06	37.94
80	2.5	.180	68.54	83.60	16.40
120	3.0	.125	75.76	92.40	7.60
170	3.5	.090	77.66	94.72	5.28
200	3.75	.075	78.05	95.19	4.81
230	4.0	.063	80.03	97.61	2.39
PAN			81.92	99.91	.09

PHI(5): .36

PHI(16): 1.00

PHI(25): 1.28

PHI(50): 1.80

PHI(75): 2.30

PHI(84): 2.52

PHI(95): 3.65

SIEVE LOSS(g): .07

SILT/CLAY: 4.81%

SKEWNESS: .413

KURTOSIS: 1.318

GRAPHIC METHOD

MEAN (PHI): 1.87

SORTING: .76

MEAN (mm): .27

MEDIAN (mm): .29

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

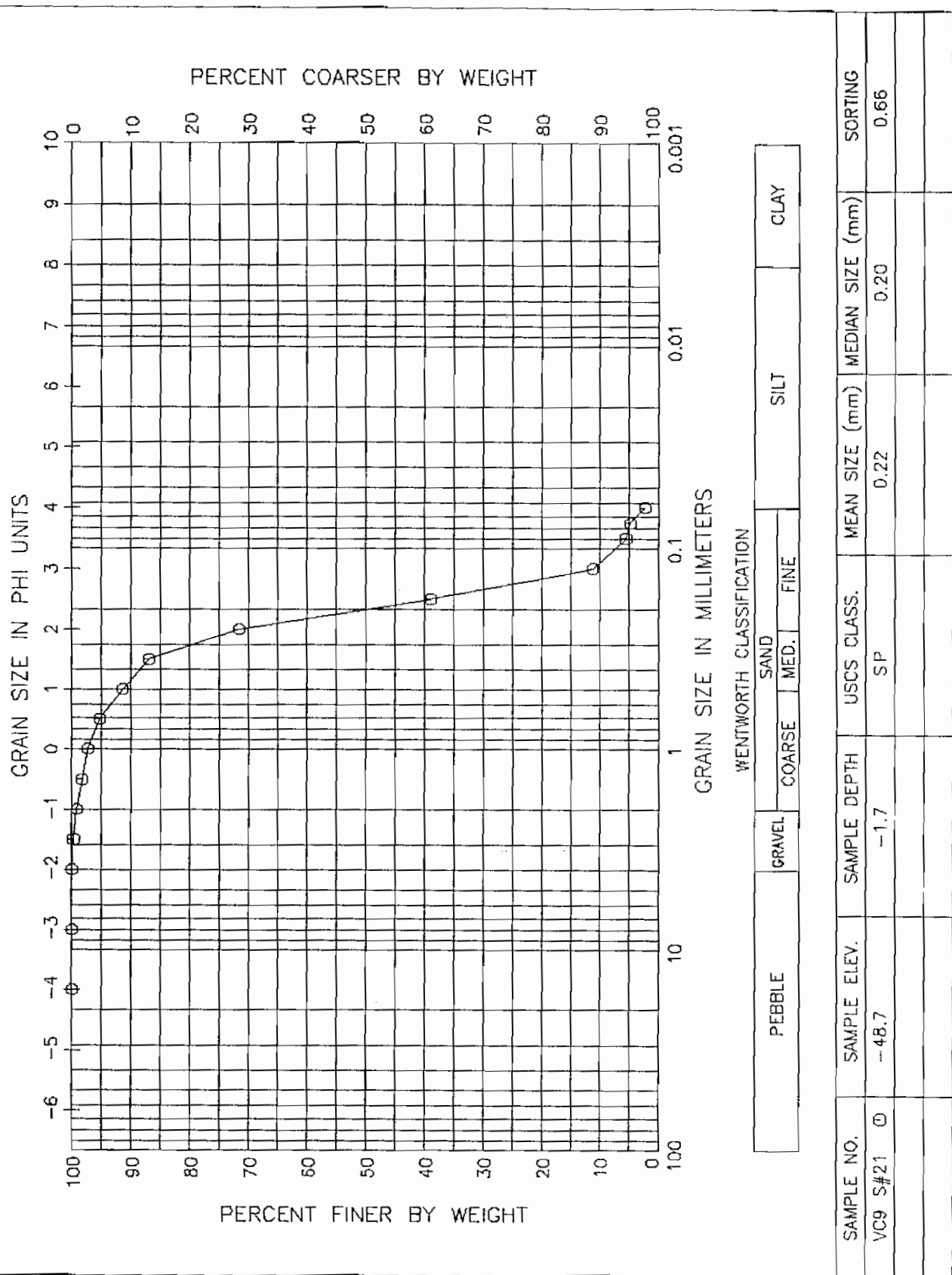
MOMENT METHOD

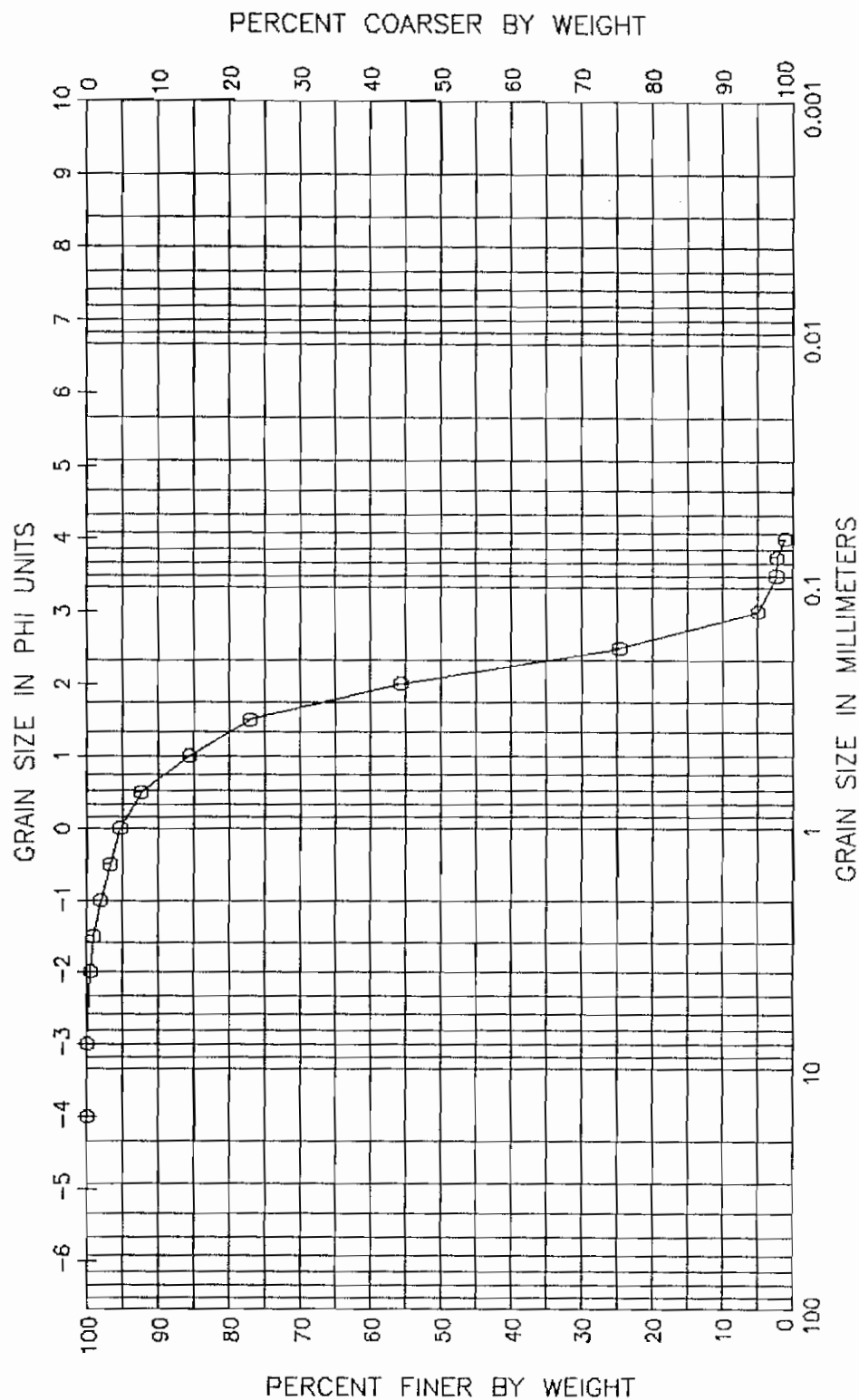
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SORTING: .89

MEAN (mm): .30

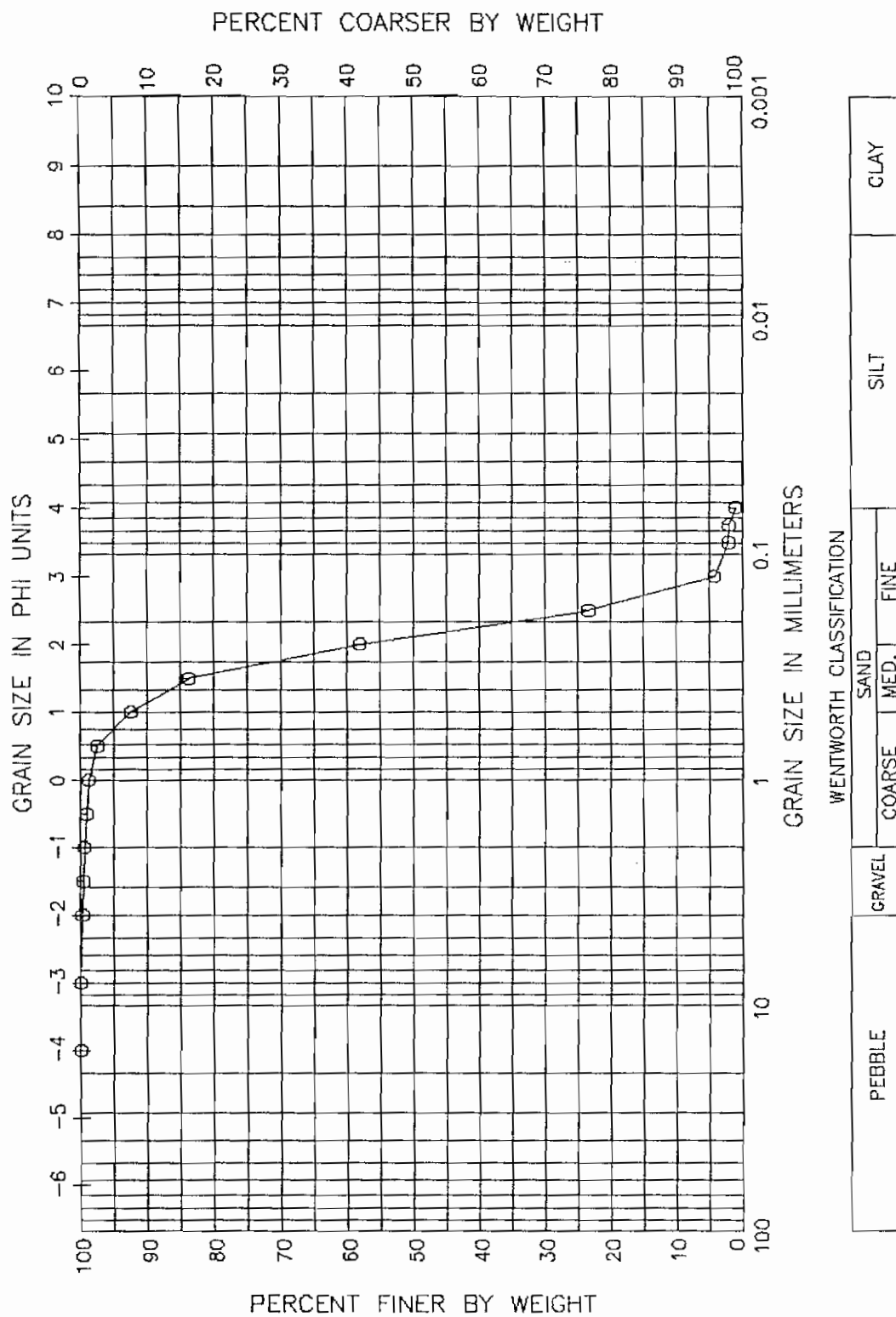
DATA FILE NAME: B:VC9S#24.TAB





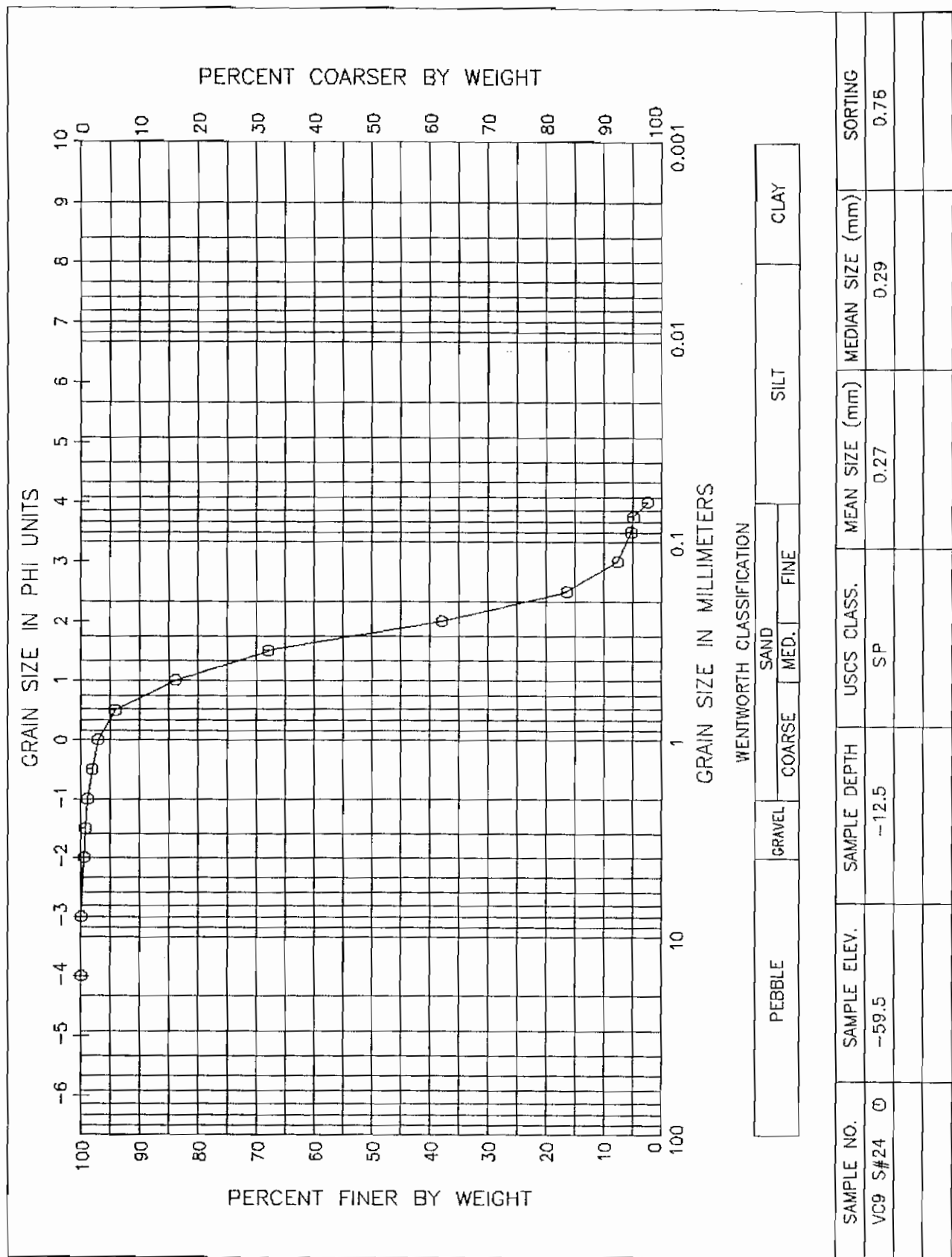
SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC9 S#22	-51.5	-4.5	SP	0.29	0.23	0.81

GRAIN SIZE DISTRIBUTION CURVE
N. BOCA RATON BORROW AREA VC 9/84



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC9 S#23	-53.5	-6.5	SP	0.25	0.23	0.60

GRAIN SIZE DISTRIBUTION CURVE
N. BOCA RATON BORROW AREA VC 9/84



GRAIN SIZE DISTRIBUTION CURVE
N. BOCA RATON BORROW AREA VC 9/84