

Gradation Analysis Report

Proj Name: Central Boca
 Sample: CBJP-01-01#BOT
 Date: 3/14/2001
 By: ID



2841 N. W. Boca Raton Blvd. Boca Raton FL 33428

Elevation:	17	Easting:	963943.00	NAD	1983
		Northing:	733913.00	FLA East	Feet

USCS:	SW	Munsel Dry:	5Y 6/1	Munsel Wet:	5Y 5/1
Comments:	0				

Dry Wt.	82.49	Percent Silt:	1.56
Wash Wt.	81.21		

Sieve Size	PHI Size	mm Size	Grams Retained	% Weight Retained	Cum. Grams Retained	C % Weight Retained
3/4	-4.250	19.027	0.000	0.000	0.000	0.000
5/8	-4.000	16.000	0.000	0.000	0.000	0.000
5/16	-3.250	9.514	0.000	0.000	0.000	0.000
4	-3.000	8.000	0.000	0.000	0.000	0.000
5	-2.000	4.000	0.050	0.061	0.050	0.061
7	-1.500	2.828	0.130	0.158	0.180	0.218
10	-1.000	2.000	0.360	0.436	0.540	0.655
14	-0.500	1.414	0.580	0.703	1.120	1.358
18	0.000	1.000	0.840	1.018	1.960	2.376
25	0.500	0.707	1.730	2.097	3.690	4.473
35	1.000	0.500	3.090	3.746	6.780	8.219
45	1.500	0.354	4.820	5.843	11.600	14.062
60	2.000	0.250	15.030	18.220	26.630	32.283
80	2.500	0.177	28.260	34.259	54.890	66.541
120	3.000	0.125	23.490	28.476	78.380	95.018
170	3.500	0.088	2.750	3.334	81.130	98.351
200	3.750	0.074	0.060	0.073	81.190	98.424
230	4.000	0.063	0.010	0.012	81.200	98.436
Pan	Pan	0.053	1.280	1.552	82.480	99.988

PHI 5	PHI 16	PHI 25	PHI 50	PHI 75	PHI 84	PHI 95
0.57	1.55	1.80	2.26	2.65	2.81	3.00

Median phi: 2.26 Median mm: 0.21

	Mean phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	2.04	0.24	0.68	-0.52	1.17
Moment	2.09	0.23	0.85	-0.65	2.04

Gradation Analysis Report

Proj Name: Central Boca
 Sample: CBJP-01-01#TOP
 Date: 3/14/2001
 By: ID



2841 N. W. Boca Raton Blvd. Boca Raton FL 33428

Elevation:	0	Easting:	963943.00	NAD	1983
		Northing:	733913.00	FLA East	Feet

USCS:	SW	Munsel Dry:	5Y 6/1	Munsel Wet:	5Y 5/1
Comments:	0				

Dry Wt.	76.71	Percent Silt:	1.47
Wash Wt.	75.58		

Sieve Size	PHI Size	mm Size	Grams Retained	% Weight Retained	Cum. Grams Retained	C % Weight Retained
3/4	-4.250	19.027	0.000	0.000	0.000	0.000
5/8	-4.000	16.000	0.000	0.000	0.000	0.000
5/16	-3.250	9.514	0.000	0.000	0.000	0.000
4	-3.000	8.000	0.000	0.000	0.000	0.000
5	-2.000	4.000	0.080	0.104	0.080	0.104
7	-1.500	2.828	0.050	0.065	0.130	0.169
10	-1.000	2.000	0.150	0.196	0.280	0.365
14	-0.500	1.414	0.260	0.339	0.540	0.704
18	0.000	1.000	0.450	0.587	0.990	1.291
25	0.500	0.707	1.180	1.538	2.170	2.829
35	1.000	0.500	2.890	3.767	5.060	6.596
45	1.500	0.354	5.580	7.274	10.640	13.870
60	2.000	0.250	19.670	25.642	30.310	39.512
80	2.500	0.177	29.800	38.848	60.110	78.360
120	3.000	0.125	13.910	18.133	74.020	96.493
170	3.500	0.088	1.540	2.008	75.560	98.501
200	3.750	0.074	0.020	0.026	75.580	98.527
230	4.000	0.063	0.000	0.000	75.580	98.527
Pan	Pan	0.053	1.130	1.473	76.710	100.000

PHI 5	PHI 16	PHI 25	PHI 50	PHI 75	PHI 84	PHI 95
0.79	1.54	1.72	2.13	2.46	2.66	2.96

Median phi: 2.13 Median mm: 0.23

	Mean phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	2.02	0.25	0.61	-0.32	1.20
Moment	2.04	0.24	0.74	-0.40	1.84

Gradation Analysis Report

Proj Name: Central Boca
 Sample: CBJP-01-01#MID
 Date: 3/14/2001
 By: ID



2841 N. W. Boca Raton Blvd. Boca Raton FL 33428

Elevation:	8.5	Easting:	963943.00	NAD	1983
		Northing:	733913.00	FLA East	Feet

USCS:	SW	Munsel Dry:	5Y 6/1	Munsel Wet:	5Y 5/1
Comments:	0				

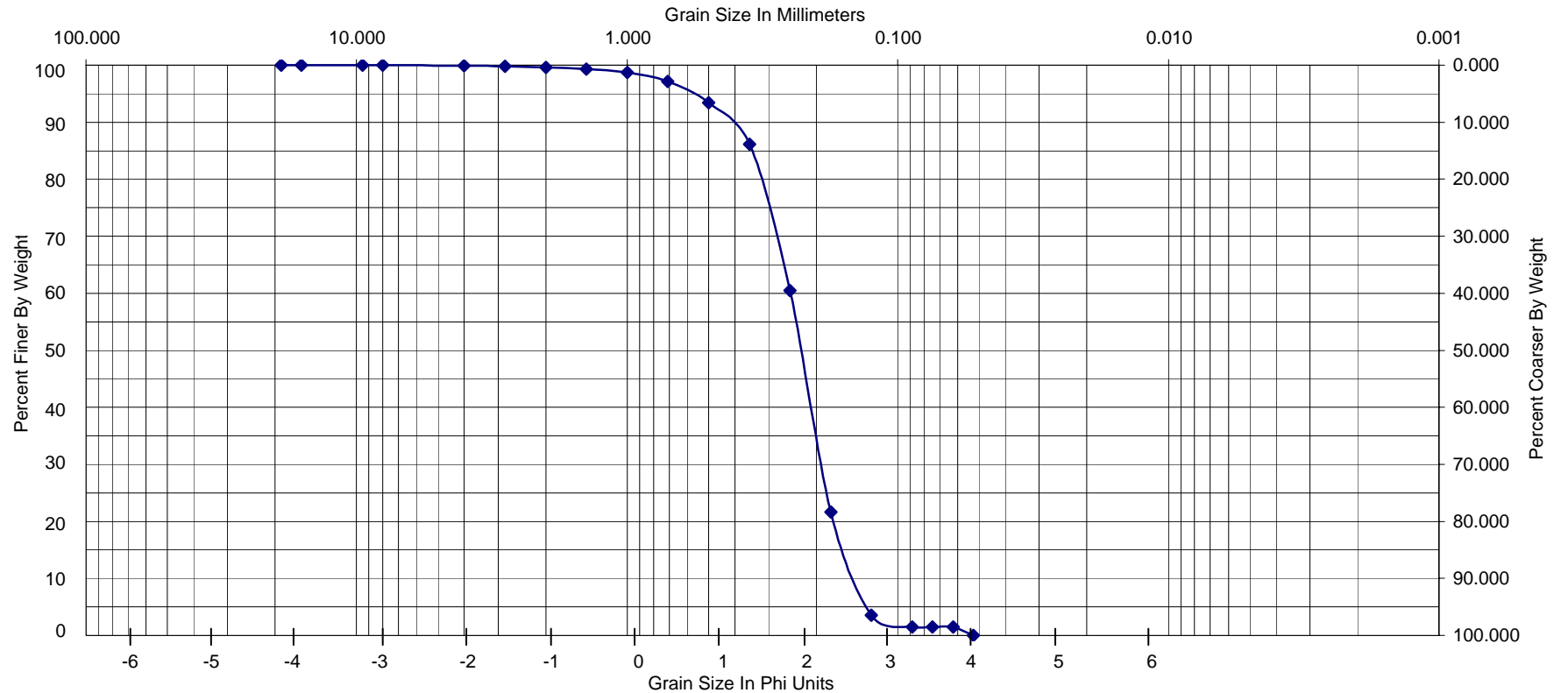
Dry Wt.	82.51	Percent Silt:	1.70
Wash Wt.	81.12		

Sieve Size	PHI Size	mm Size	Grams Retained	% Weight Retained	Cum. Grams Retained	C % Weight Retained
3/4	-4.250	19.027	0.000	0.000	0.000	0.000
5/8	-4.000	16.000	0.000	0.000	0.000	0.000
5/16	-3.250	9.514	0.000	0.000	0.000	0.000
4	-3.000	8.000	0.000	0.000	0.000	0.000
5	-2.000	4.000	0.040	0.048	0.040	0.048
7	-1.500	2.828	0.110	0.133	0.150	0.182
10	-1.000	2.000	0.340	0.412	0.490	0.594
14	-0.500	1.414	0.620	0.751	1.110	1.345
18	0.000	1.000	1.330	1.612	2.440	2.957
25	0.500	0.707	2.350	2.848	4.790	5.805
35	1.000	0.500	4.150	5.030	8.940	10.835
45	1.500	0.354	7.420	8.993	16.360	19.828
60	2.000	0.250	16.960	20.555	33.320	40.383
80	2.500	0.177	28.150	34.117	61.470	74.500
120	3.000	0.125	17.570	21.294	79.040	95.794
170	3.500	0.088	2.040	2.472	81.080	98.267
200	3.750	0.074	0.030	0.036	81.110	98.303
230	4.000	0.063	0.010	0.012	81.120	98.315
Pan	Pan	0.053	1.390	1.685	82.510	100.000

PHI 5	PHI 16	PHI 25	PHI 50	PHI 75	PHI 84	PHI 95
0.36	1.29	1.63	2.14	2.51	2.72	2.98


Median phi: 2.14 Median mm: 0.23

	Mean phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	1.90	0.27	0.76	-0.53	1.21
Moment	1.95	0.26	0.92	-0.55	1.89



Gravel		Sand			Silt or Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample No.	Depth	Description	USCS	% Silt	Median	Mean	Skew	Kurt	Sort	PL	LL	PI	Sample Information
— CBJP-01-01#TOP	0.0		SW	1.47	0.23	0.24	-0.4	1.84	0.74	NA	NA	NA	Project Name: Central Boca
													Sample Type: JET PROBES
													Collection Date: 3/14/01
													Analysis By: ID



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2481 N. W. BOCA RATON BLVD.

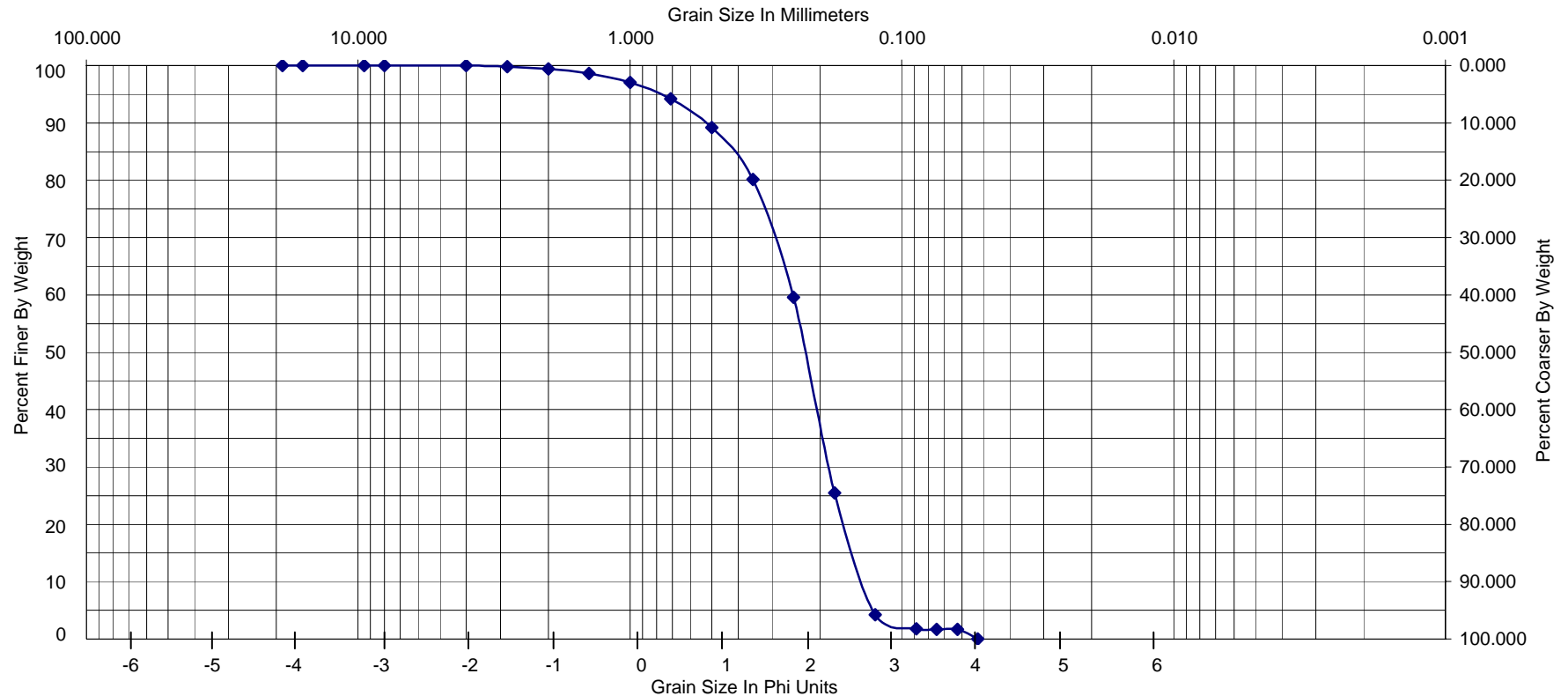
BOCA RATON, FLORIDA 33431

Easting (X): 963943.00 Feet

Northing (Y): 733913.00 Feet


Sample Elevation: -58.40 NGVD 29

Coord. System: NAD 1983 FLA East



Gravel		Sand			Silt or Clay
Coarse	Fine	Coarse	Medium	Fine	

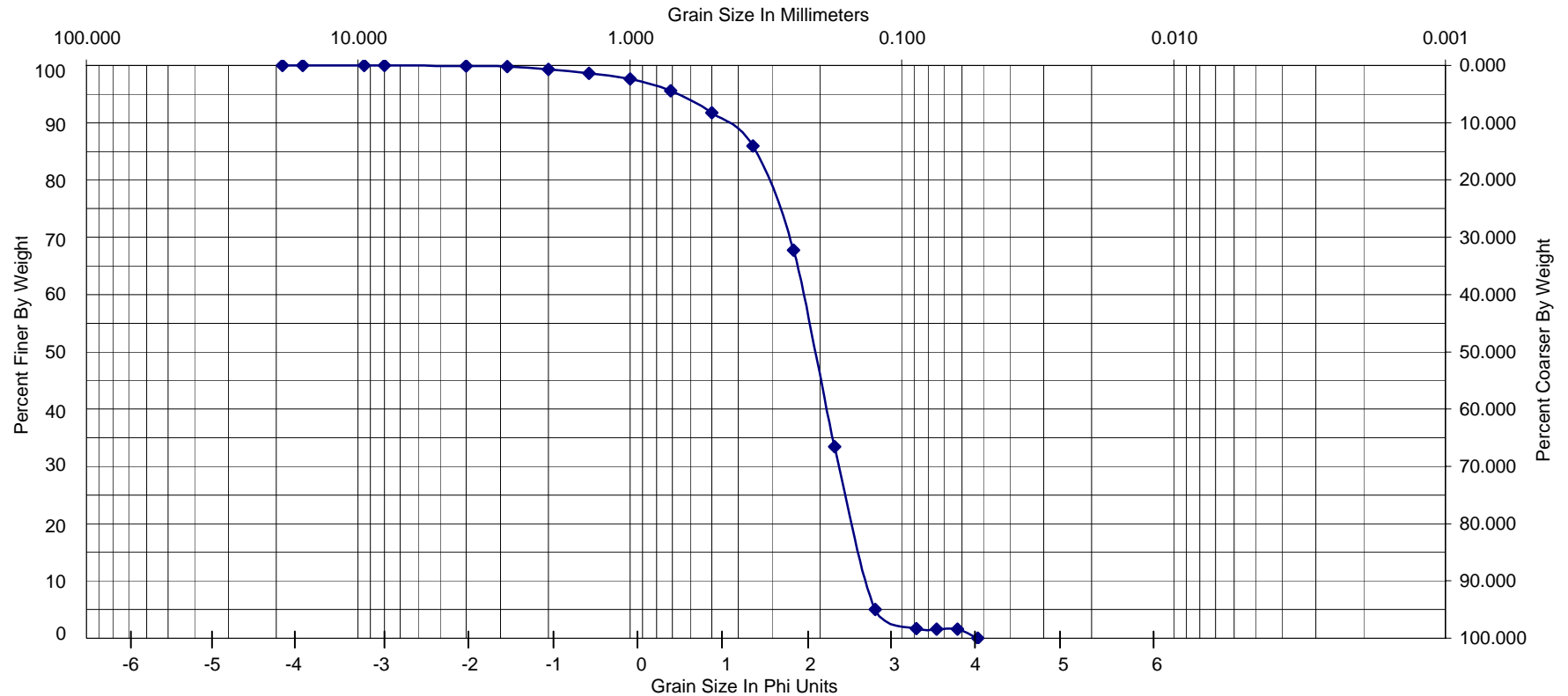
Sample No.	Depth	Description	USCS	% Silt	Median	Mean	Skew	Kurt	Sort	PL	LL	PI	Sample Information
◆ CBJP-01-01#MID	8.5		SW	1.70	0.23	0.26	-0.55	1.89	0.92	NA	NA	NA	Project Name: Central Boca
													Sample Type: JET PROBES
													Collection Date: 3/14/01
													Analysis By: ID



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2481 N. W. BOCA RATON BLVD.
BOCA RATON, FLORIDA 33431

Easting (X):	963943.00 Feet
Northing (Y):	733913.00 Feet
Sample Elevation:	-58.40 NGVD 29
Coord. System:	NAD 1983 FLA East



Gravel		Sand			Silt or Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample No.	Depth	Description	USCS	% Silt	Median	Mean	Skew	Kurt	Sort	PL	LL	PI	Sample Information
— CBJP-01-01#BOT	17.0		SW	1.56	0.21	0.23	-0.65	2.04	0.85	NA	NA	NA	Project Name: Central Boca
													Sample Type: JET PROBES
													Collection Date: 3/14/01
													Analysis By: ID



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BOCA RATON, FLORIDA 33431

Easting (X): 963943.00 Feet

Northing (Y): 733913.00 Feet

Sample Elevation: -58.40 NGVD 29

Coord. System: NAD 1983 FLA East