

Gradation Analysis Report

Proj Name: Central Boca
 Sample: CBVC-01-18#1
 Date: 4/18/01
 By: ID

COASTAL PLANNING & ENGINEERING, INC.

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

Elevation: -66.10 Feet Easting: 963805.79 State Plane 1983
 Reference: NGVD Northing: 729991.05 FLA East Feet

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

Dry Wt. 62.96 Percent Silt: 2.51
 Wash Wt. 61.46

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	0.180	0.286	0.180	0.286
7	-1.500	2.828	0.430	0.683	0.610	0.969
10	-1.000	2.000	0.870	1.382	1.480	2.351
14	-0.500	1.414	1.140	1.811	2.620	4.161
18	0.000	1.000	1.210	1.922	3.830	6.083
25	0.500	0.707	2.190	3.478	6.020	9.562
35	1.000	0.500	3.220	5.114	9.240	14.676
45	1.500	0.354	4.080	6.480	13.320	21.156
60	2.000	0.250	8.730	13.866	22.050	35.022
80	2.500	0.177	17.630	28.002	39.680	63.024
120	3.000	0.125	18.210	28.923	57.890	91.947
170	3.500	0.088	3.400	5.400	61.290	97.348
200	3.750	0.074	0.070	0.111	61.360	97.459
230	4.000	0.063	0.070	0.111	61.430	97.570
Pan	Pan	0.053	1.510	2.398	62.940	99.968

PHI 5 PHI 16 PHI 25 PHI 50 PHI 75 PHI 84 PHI 95
 -0.28 1.10 1.64 2.27 2.71 2.86 3.28

Median phi: 2.27 Median mm: 0.21

	Mean phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	1.85	0.28	0.98	-0.75	1.37
Moment	1.94	0.26	1.23	-0.71	2.13

Gradation Analysis Report

Proj Name: Central Boca
Sample: CBVC-01-18#2
Date: 4/18/01
By: ID

COASTAL PLANNING & ENGINEERING, INC.

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

Elevation: -70.10 Feet Easting: 963805.79 State Plane 1983
Reference: NGVD Northing: 729991.05 FLA East Feet

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

Dry Wt. 60.44 Percent Silt: 5.01
Wash Wt. 57.48

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	0.060	0.099	0.060	0.099
5	-2.000	4.000	0.210	0.347	0.270	0.447
7	-1.500	2.828	0.500	0.827	0.770	1.274
10	-1.000	2.000	0.410	0.678	1.180	1.952
14	-0.500	1.414	0.850	1.406	2.030	3.359
18	0.000	1.000	1.670	2.763	3.700	6.122
25	0.500	0.707	2.820	4.686	6.520	10.788
35	1.000	0.500	5.000	8.273	11.520	19.060
45	1.500	0.354	7.690	12.723	19.210	31.784
60	2.000	0.250	11.330	18.746	30.540	50.529
80	2.500	0.177	14.900	24.653	45.440	75.182
120	3.000	0.125	9.750	16.132	55.190	91.314
170	3.500	0.088	2.050	3.392	57.240	94.705
200	3.750	0.074	0.160	0.265	57.400	94.970
230	4.000	0.063	0.060	0.099	57.460	95.069
Pan	Pan	0.053	2.970	4.914	60.430	99.983

PHI 5 PHI 16 PHI 25 PHI 50 PHI 75 PHI 84 PHI 95
-0.20 0.81 1.23 1.99 2.50 2.77 3.79

Median phi: 1.99 Median mm: 0.25

	Mean phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	1.83	0.28	1.09	-0.22	1.29
Moment	1.84	0.28	1.34	-0.10	1.78

Gradation Analysis Report

Proj Name: Central Boca
 Sample: CBVC-01-18#3
 Date: 4/18/01
 By: ID

COASTAL PLANNING & ENGINEERING, INC.

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

Elevation: -72.10 Feet Easting: 963805.79 State Plane 1983
 Reference: NGVD Northing: 729991.05 FLA East Feet

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

Dry Wt. 65.32 Percent Silt: 4.99
 Wash Wt. 62.16

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	0.400	0.612	0.400	0.612
5	-2.000	4.000	0.250	0.383	0.650	0.995
7	-1.500	2.828	1.050	1.607	1.700	2.603
10	-1.000	2.000	1.450	2.220	3.150	4.822
14	-0.500	1.414	1.900	2.909	5.050	7.731
18	0.000	1.000	1.750	2.679	6.800	10.410
25	0.500	0.707	2.860	4.378	9.660	14.789
35	1.000	0.500	4.120	6.307	13.780	21.096
45	1.500	0.354	5.810	8.895	19.590	29.991
60	2.000	0.250	12.000	18.371	31.590	48.362
80	2.500	0.177	15.950	24.418	47.540	72.780
120	3.000	0.125	11.600	17.759	59.140	90.539
170	3.500	0.088	2.720	4.164	61.860	94.703
200	3.750	0.074	0.190	0.291	62.050	94.994
230	4.000	0.063	0.090	0.138	62.140	95.132
Pan	Pan	0.053	3.170	4.853	65.310	99.985

PHI 5 PHI 16 PHI 25 PHI 50 PHI 75 PHI 84 PHI 95
 -0.97 0.60 1.22 2.03 2.56 2.82 3.74

Median phi: 2.03 Median mm: 0.24

	Mean phi	Mean mm	Sorting	Skewness	Kurtosis
Graphic	1.64	0.32	1.27	-0.54	1.44
Moment	1.71	0.30	1.57	-0.45	1.97



