

Onshore Grab Sample

Sample: BW-24-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/28/09
Splits? N/A

County: Broward
Latitude: 26° 00' 13.5"
Longitude: 80° 06' 57.7"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 53.727 grams
Total Fines in Sample 0.165 grams
Total Percent Fines 0.31 %

Dry Sieving Summary

Total Sample Weight 53.588 grams
Total Digested Weight 0.000 grams
Total Carbonate Weight 53.588 grams
Total Silica % 0.00 %
Total Carbonate % 100.00 %
Carbonate/Silica Ratio #DIV/0!

General Comments:

Not Enough Sample to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

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Total Sample Mass: 53.588 grams

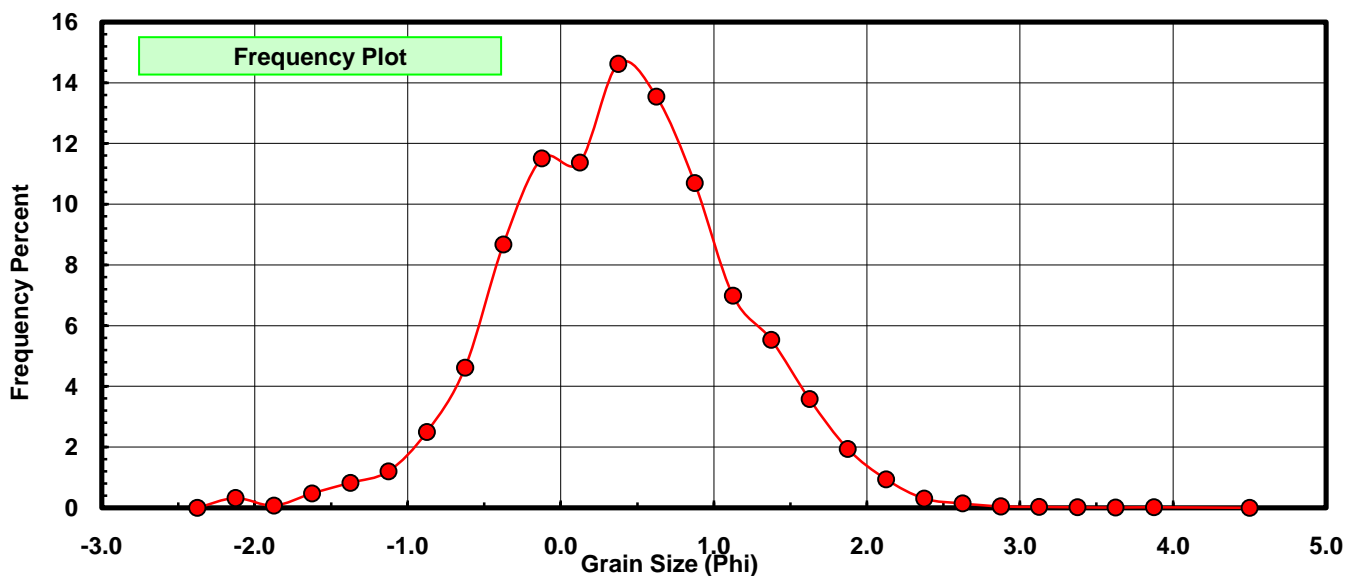
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.172	0.321	0.321
-1.75	-1.875	0.039	0.073	0.394
-1.50	-1.625	0.256	0.478	0.871
-1.25	-1.375	0.442	0.825	1.696
-1.00	-1.125	0.645	1.204	2.900
-0.75	-0.875	1.339	2.499	5.399
-0.50	-0.625	2.474	4.617	10.015
-0.25	-0.375	4.650	8.677	18.693
0.00	-0.125	6.166	11.506	30.199
0.25	0.125	6.094	11.372	41.571
0.50	0.375	7.837	14.625	56.195
0.75	0.625	7.259	13.546	69.741
1.00	0.875	5.734	10.700	80.442
1.25	1.125	3.745	6.989	87.430
1.50	1.375	2.966	5.535	92.965
1.75	1.625	1.918	3.579	96.544
2.00	1.875	1.041	1.943	98.487
2.25	2.125	0.505	0.942	99.429
2.50	2.375	0.163	0.304	99.733
2.75	2.625	0.077	0.144	99.877
3.00	2.875	0.025	0.047	99.923
3.25	3.125	0.017	0.032	99.955
3.50	3.375	0.009	0.017	99.972
3.75	3.625	0.005	0.009	99.981
4.00	3.875	0.010	0.019	100.000
5.00	4.50	0.000	0.000	100.000

Statistical Results			
Mean:	0.3932	phi	(0.7615 mm)
Standard Dev:	0.7504	phi-units	(0.5944 mm)
Skewness:	-0.0066	dimensionless	
Kurtosis:	3.3182	dimensionless	
5th Moment:	-0.1733	dimensionless	
6th Moment:	20.6603	dimensionless	
RARD *	1.9087	dimensionless	
Median	0.2691	phi	(0.8298 mm)

* RARD = reciprocal absolute relative dispersion (see below)

Statistical Explanation	
Calculations based on the Method of Moments	
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0	
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
For Further Explanation, See Basille et al. 2002	
Millimeter data calculated by $mm = 2^{(-\phi)}$	

Reciprocal Absolute Relative Dispersion (RARD) Scale	
< 0.5	Excellent homogeneity (e.g., beaches)
0.5 to 1.0	Good homogeneity
1.0 to 1.33	Fair homogeneity
> 1.33	Poor homogeneity (e.g., glacial)



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