

Onshore Grab Sample

Sample: ES-05-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/29/11
Splits? N/A

County: Escambia
Latitude: 30° 17' 33.7" N
Longitude: 87° 27' 15.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 54.545 grams
Total Fines in Sample 0.006 grams
Total Percent Fines 0.01 %

Dry Sieving Summary

Total Sample Weight 54.511 grams
Total Digested Weight 54.394 grams
Total Carbonate Weight 0.117 grams
Total Silica % 99.79 %
Total Carbonate % 0.21 %
Carbonate/Silica Ratio 0.002

General Comments:

Not Enough Carbonate Material 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: 54.511 grams

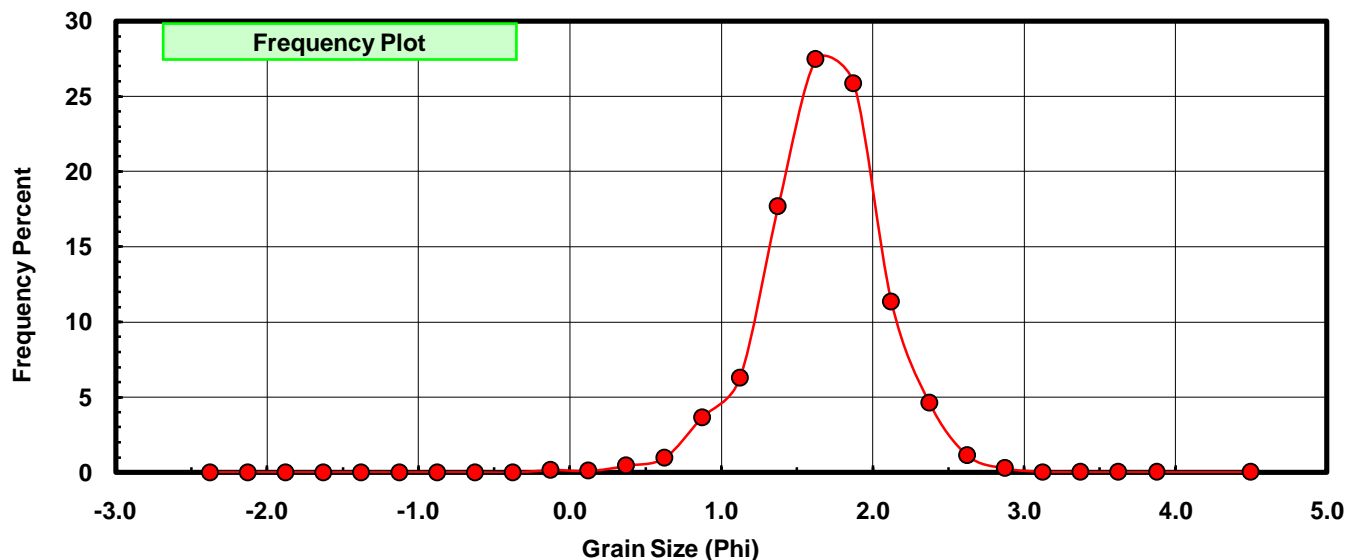
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.076	0.139	0.139
0.25	0.125	0.053	0.097	0.237
0.50	0.375	0.241	0.442	0.679
0.75	0.625	0.522	0.958	1.636
1.00	0.875	1.987	3.645	5.282
1.25	1.125	3.420	6.274	11.555
1.50	1.375	9.629	17.664	29.220
1.75	1.625	14.970	27.462	56.682
2.00	1.875	14.101	25.868	82.550
2.25	2.125	6.175	11.328	93.878
2.50	2.375	2.518	4.619	98.498
2.75	2.625	0.621	1.139	99.637
3.00	2.875	0.147	0.270	99.906
3.25	3.125	0.024	0.044	99.950
3.50	3.375	0.009	0.017	99.967
3.75	3.625	0.008	0.015	99.982
4.00	3.875	0.008	0.015	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.6755	phi	(0.3131 mm)
Standard Dev:	0.3997	phi-units	(0.758 mm)
Skewness:	-0.2937	dimensionless	
Kurtosis:	4.3467	dimensionless	
5th Moment:	-3.0526	dimensionless	
6th Moment:	45.1847	dimensionless	
RARD *	0.2385	dimensionless	
Median	1.5642	phi	(0.3382 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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