

Onshore Grab Sample

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

County: Escambia
Latitude: 30° 18' 42.4" N
Longitude: 87° 21' 26.7" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 47.864 grams
Total Fines in Sample 0.007 grams
Total Percent Fines 0.01 %

Dry Sieving Summary

Total Sample Weight 47.744 grams
Total Digested Weight 47.234 grams
Total Carbonate Weight 0.510 grams
Total Silica % 98.93 %
Total Carbonate % 1.07 %
Carbonate/Silica Ratio 0.011

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: 47.744 grams

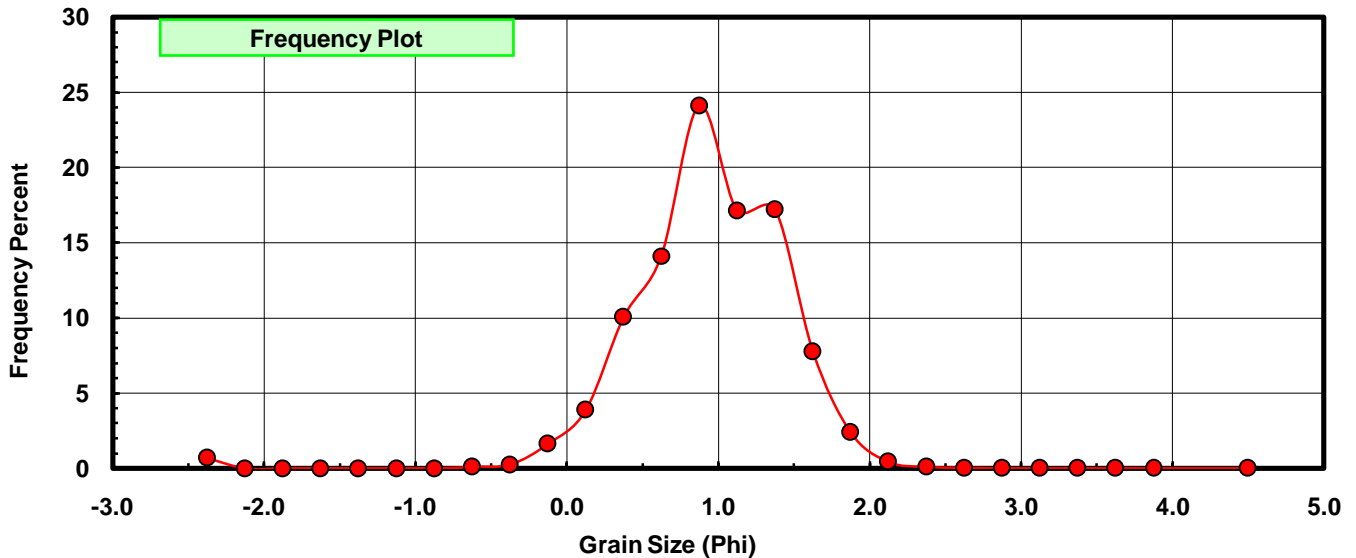
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.334	0.700	0.700
-2.00	-2.125	0.000	0.000	0.700
-1.75	-1.875	0.000	0.000	0.700
-1.50	-1.625	0.000	0.000	0.700
-1.25	-1.375	0.000	0.000	0.700
-1.00	-1.125	0.000	0.000	0.700
-0.75	-0.875	0.000	0.000	0.700
-0.50	-0.625	0.045	0.094	0.794
-0.25	-0.375	0.115	0.241	1.035
0.00	-0.125	0.783	1.640	2.675
0.25	0.125	1.854	3.883	6.558
0.50	0.375	4.800	10.054	16.612
0.75	0.625	6.745	14.127	30.739
1.00	0.875	11.516	24.120	54.859
1.25	1.125	8.185	17.144	72.003
1.50	1.375	8.216	17.208	89.211
1.75	1.625	3.704	7.758	96.969
2.00	1.875	1.140	2.388	99.357
2.25	2.125	0.210	0.440	99.797
2.50	2.375	0.051	0.107	99.904
2.75	2.625	0.019	0.040	99.943
3.00	2.875	0.008	0.017	99.960
3.25	3.125	0.005	0.010	99.971
3.50	3.375	0.005	0.010	99.981
3.75	3.625	0.001	0.002	99.983
4.00	3.875	0.004	0.008	99.992
5.00	4.50	0.004	0.008	100.000

Statistical Results			
Mean:	0.9369	phi	(0.5223 mm)
Standard Dev:	0.5384	phi-units	(0.6886 mm)
Skewness:	-1.5878	dimensionless	
Kurtosis:	12.0598	dimensionless	
5th Moment:	-61.0899	dimensionless	
6th Moment:	403.9439	dimensionless	
RARD *	0.5746	dimensionless	
Median	0.8246	phi	(0.5646 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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