

Onshore Grab Sample

Sample: ES-18-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/28/11
Splits? N/A

County: Escambia
Latitude: 30° 19' 0.4" N
Longitude: 87° 15' 3.8" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 45.182 grams
Total Fines in Sample 0.025 grams
Total Percent Fines 0.06 %

Dry Sieving Summary

Total Sample Weight 45.060 grams
Total Digested Weight 48.025 grams
Total Carbonate Weight -2.965 grams
Total Silica % 106.58 %
Total Carbonate % -6.58 %
Carbonate/Silica Ratio -0.062

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: 45.060 grams

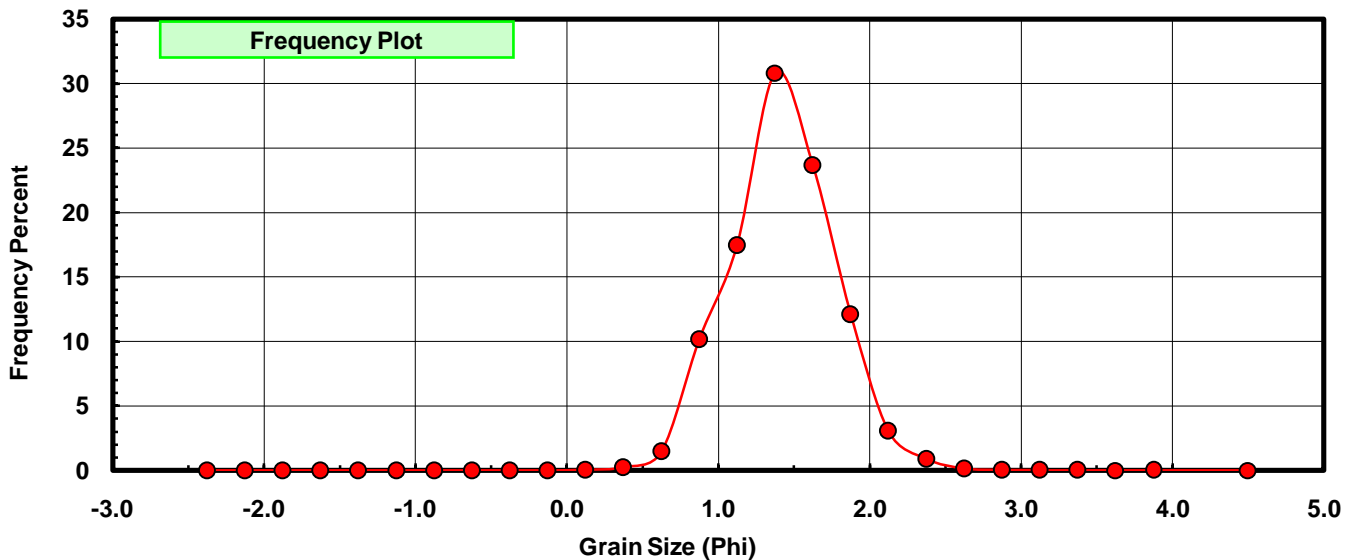
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.020	0.044	0.044
0.50	0.375	0.105	0.233	0.277
0.75	0.625	0.650	1.443	1.720
1.00	0.875	4.567	10.135	11.855
1.25	1.125	7.858	17.439	29.294
1.50	1.375	13.891	30.828	60.122
1.75	1.625	10.659	23.655	83.777
2.00	1.875	5.450	12.095	95.872
2.25	2.125	1.375	3.051	98.924
2.50	2.375	0.395	0.877	99.800
2.75	2.625	0.060	0.133	99.933
3.00	2.875	0.013	0.029	99.962
3.25	3.125	0.008	0.018	99.980
3.50	3.375	0.005	0.011	99.991
3.75	3.625	0.001	0.002	99.993
4.00	3.875	0.002	0.004	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.4211	phi	(0.3734 mm)
Standard Dev:	0.3511	phi-units	(0.784 mm)
Skewness:	0.1425	dimensionless	
Kurtosis:	3.4877	dimensionless	
5th Moment:	4.2792	dimensionless	
6th Moment:	39.0259	dimensionless	
RARD *	0.2470	dimensionless	
Median	1.2929	phi	(0.4081 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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