

Onshore Grab Sample

Sample: ES-12-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/29/11
Splits? N/A

County: Escambia
Latitude: 30° 18' 53.7" N
Longitude: 87° 20' 29.2" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 54.462 grams
Total Fines in Sample 0.016 grams
Total Percent Fines 0.03 %

Dry Sieving Summary

Total Sample Weight 54.460 grams
Total Digested Weight 54.066 grams
Total Carbonate Weight 0.394 grams
Total Silica % 99.28 %
Total Carbonate % 0.72 %
Carbonate/Silica Ratio 0.007

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: 54.460 grams

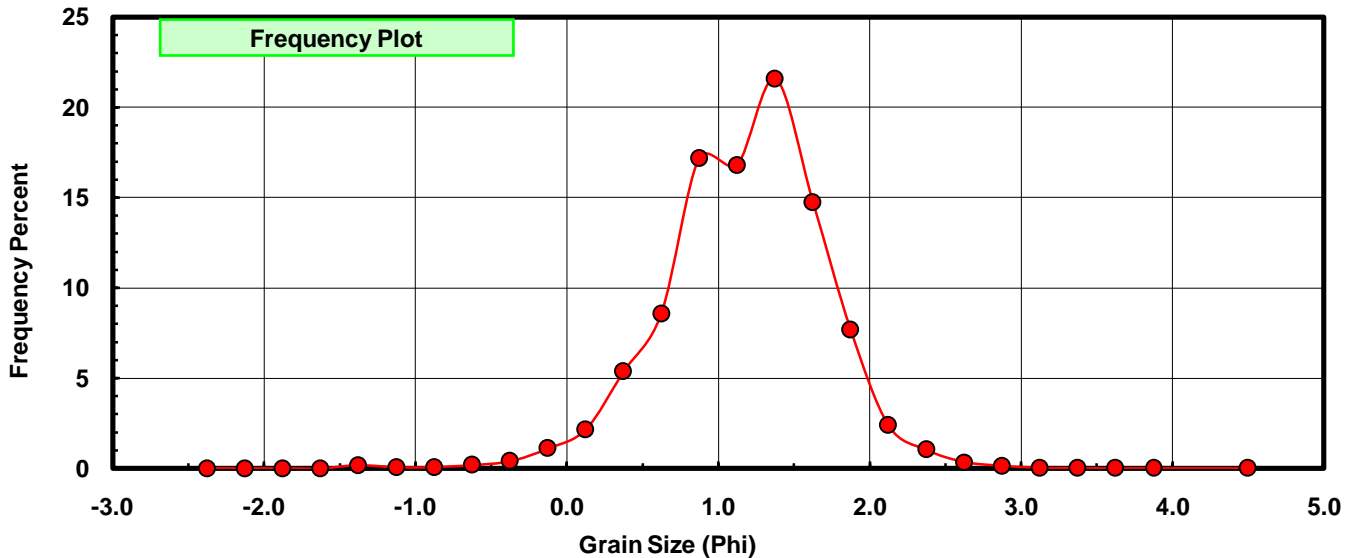
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.093	0.171	0.171
-1.00	-1.125	0.033	0.061	0.231
-0.75	-0.875	0.035	0.064	0.296
-0.50	-0.625	0.098	0.180	0.476
-0.25	-0.375	0.220	0.404	0.880
0.00	-0.125	0.607	1.115	1.994
0.25	0.125	1.173	2.154	4.148
0.50	0.375	2.926	5.373	9.521
0.75	0.625	4.669	8.573	18.094
1.00	0.875	9.357	17.181	35.275
1.25	1.125	9.138	16.779	52.055
1.50	1.375	11.751	21.577	73.632
1.75	1.625	8.030	14.745	88.376
2.00	1.875	4.176	7.668	96.044
2.25	2.125	1.297	2.382	98.426
2.50	2.375	0.563	1.034	99.460
2.75	2.625	0.194	0.356	99.816
3.00	2.875	0.070	0.129	99.945
3.25	3.125	0.014	0.026	99.970
3.50	3.375	0.007	0.013	99.983
3.75	3.625	0.003	0.006	99.989
4.00	3.875	0.003	0.006	99.994
5.00	4.50	0.003	0.006	100.000

Statistical Results			
Mean:	1.1781	phi	(0.4419 mm)
Standard Dev:	0.5321	phi-units	(0.6915 mm)
Skewness:	-0.4125	dimensionless	
Kurtosis:	4.3638	dimensionless	
5th Moment:	-6.2706	dimensionless	
6th Moment:	48.8664	dimensionless	
RARD *	0.4517	dimensionless	
Median	1.0944	phi	(0.4683 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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