

Onshore Grab Sample

Sample: ES-32-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/30/11
Splits? N/A

County: Escambia
Latitude: 30° 21' 4" N
Longitude: 87° 2' 6.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	50.986 grams
Total Fines in Sample	0.024 grams
Total Percent Fines	0.05 %

Dry Sieving Summary

Total Sample Weight	51.003 grams
Total Digested Weight	50.892 grams
Total Carbonate Weight	0.111 grams
Total Silica %	99.78 %
Total Carbonate %	0.22 %
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: 51.003 grams

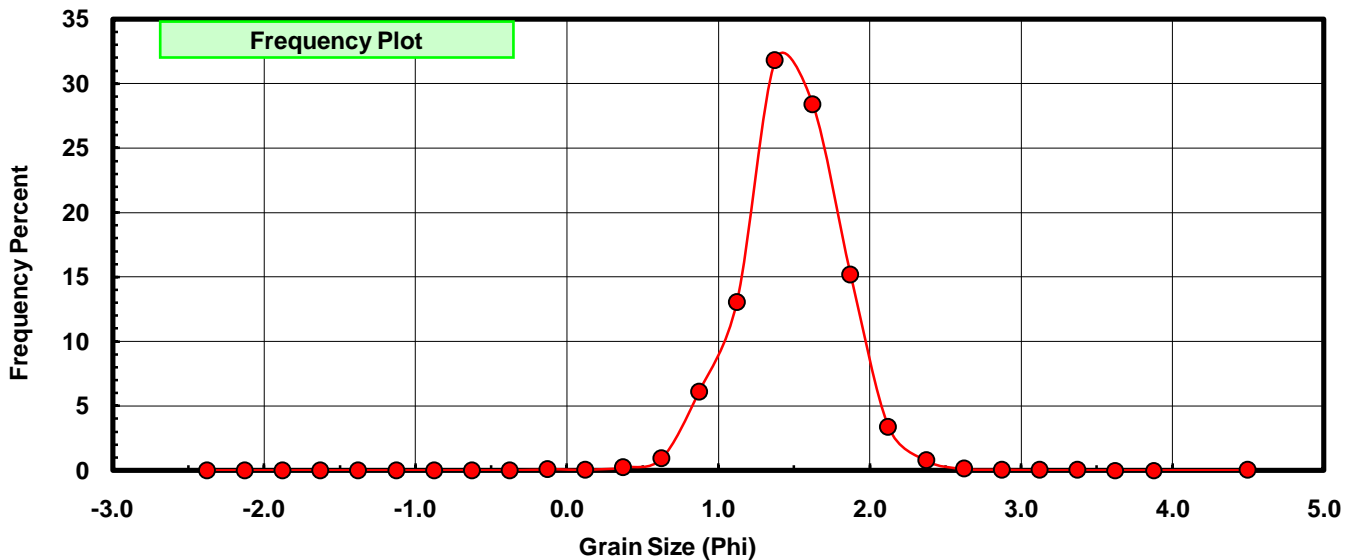
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.037	0.073	0.073
0.25	0.125	0.020	0.039	0.112
0.50	0.375	0.115	0.225	0.337
0.75	0.625	0.466	0.914	1.251
1.00	0.875	3.103	6.084	7.335
1.25	1.125	6.658	13.054	20.389
1.50	1.375	16.212	31.786	52.175
1.75	1.625	14.466	28.363	80.538
2.00	1.875	7.724	15.144	95.683
2.25	2.125	1.721	3.374	99.057
2.50	2.375	0.390	0.765	99.822
2.75	2.625	0.060	0.118	99.939
3.00	2.875	0.022	0.043	99.982
3.25	3.125	0.003	0.006	99.988
3.50	3.375	0.002	0.004	99.992
3.75	3.625	0.001	0.002	99.994
4.00	3.875	0.001	0.002	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.4834	phi	(0.3577 mm)
Standard Dev:	0.3307	phi-units	(0.7951 mm)
Skewness:	-0.1056	dimensionless	
Kurtosis:	4.1061	dimensionless	
5th Moment:	1.1068	dimensionless	
6th Moment:	59.8370	dimensionless	
RARD *	0.2230	dimensionless	
Median	1.3579	phi	(0.3902 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)



ES-32-BB

