

Onshore Grab Sample

Sample: ES-16-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/28/11
Splits? N/A

County: Escambia
Latitude: 30° 19' 12.4" N
Longitude: 87° 17' 5.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	44.281 grams
Total Fines in Sample	0.026 grams
Total Percent Fines	0.06 %

Dry Sieving Summary

Total Sample Weight	44.246 grams
Total Digested Weight	44.195 grams
Total Carbonate Weight	0.051 grams
Total Silica %	99.88 %
Total Carbonate %	0.12 %
Carbonate/Silica Ratio	0.001

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: 44.246 grams

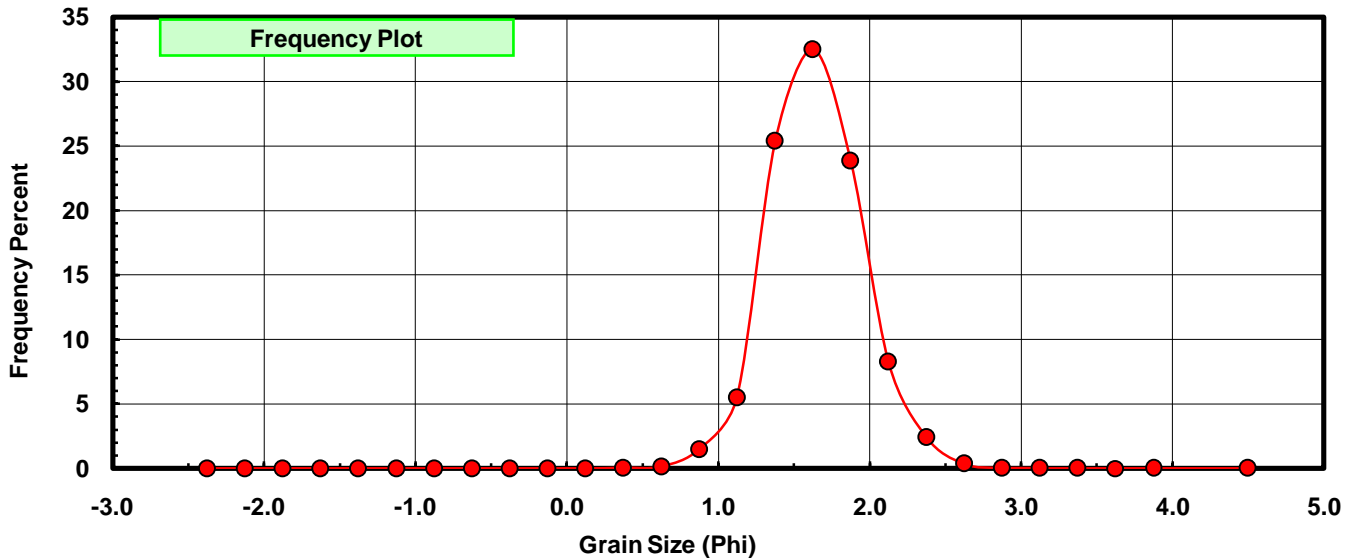
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.000	0.000	0.000
0.50	0.375	0.015	0.034	0.034
0.75	0.625	0.058	0.131	0.165
1.00	0.875	0.654	1.478	1.643
1.25	1.125	2.434	5.501	7.144
1.50	1.375	11.232	25.385	32.529
1.75	1.625	14.379	32.498	65.027
2.00	1.875	10.552	23.848	88.876
2.25	2.125	3.648	8.245	97.121
2.50	2.375	1.075	2.430	99.550
2.75	2.625	0.163	0.368	99.919
3.00	2.875	0.019	0.043	99.962
3.25	3.125	0.006	0.014	99.975
3.50	3.375	0.005	0.011	99.986
3.75	3.625	0.001	0.002	99.989
4.00	3.875	0.003	0.007	99.995
5.00	4.50	0.002	0.005	100.000

Statistical Results			
Mean:	1.6452	phi	(0.3197 mm)
Standard Dev:	0.3107	phi-units	(0.8062 mm)
Skewness:	0.2425	dimensionless	
Kurtosis:	3.9381	dimensionless	
5th Moment:	6.5287	dimensionless	
6th Moment:	62.8131	dimensionless	
RARD *	0.1889	dimensionless	
Median	1.5094	phi	(0.3513 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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