

Onshore Grab Sample

Sample: ES-17-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/28/11
Splits? N/A

County: Escambia
Latitude: 30° 19' 1.1" N
Longitude: 87° 16' 1.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	48.117 grams
Total Fines in Sample	0.013 grams
Total Percent Fines	0.03 %

Dry Sieving Summary

Total Sample Weight	48.075 grams
Total Digested Weight	44.195 grams
Total Carbonate Weight	3.880 grams
Total Silica %	91.93 %
Total Carbonate %	8.07 %
Carbonate/Silica Ratio	0.088

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: 48.075 grams

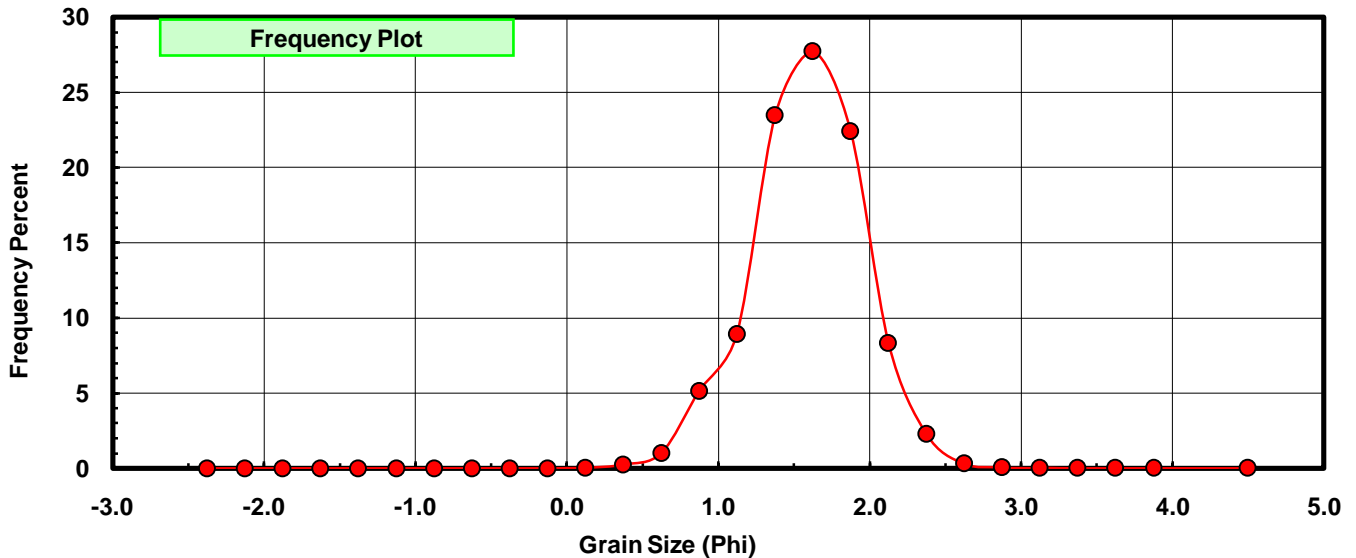
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.018	0.037	0.037
0.50	0.375	0.116	0.241	0.279
0.75	0.625	0.487	1.013	1.292
1.00	0.875	2.471	5.140	6.432
1.25	1.125	4.296	8.936	15.368
1.50	1.375	11.283	23.470	38.837
1.75	1.625	13.322	27.711	66.548
2.00	1.875	10.763	22.388	88.936
2.25	2.125	4.008	8.337	97.273
2.50	2.375	1.104	2.296	99.569
2.75	2.625	0.150	0.312	99.881
3.00	2.875	0.031	0.064	99.946
3.25	3.125	0.012	0.025	99.971
3.50	3.375	0.006	0.012	99.983
3.75	3.625	0.001	0.002	99.985
4.00	3.875	0.003	0.006	99.992
5.00	4.50	0.004	0.008	100.000

Statistical Results			
Mean:	1.5892	phi	(0.3324 mm)
Standard Dev:	0.3689	phi-units	(0.7743 mm)
Skewness:	-0.1203	dimensionless	
Kurtosis:	3.6873	dimensionless	
5th Moment:	2.1611	dimensionless	
6th Moment:	44.4878	dimensionless	
RARD *	0.2322	dimensionless	
Median	1.4757	phi	(0.3596 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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