

Onshore Grab Sample

Sample: ES-15-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/28/11
Splits? N/A

County: Escambia
Latitude: 30° 19' 40.9" N
Longitude: 87° 17' 56.9" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	48.446 grams
Total Fines in Sample	0.007 grams
Total Percent Fines	0.01 %

Dry Sieving Summary

Total Sample Weight	48.330 grams
Total Digested Weight	48.302 grams
Total Carbonate Weight	0.028 grams
Total Silica %	99.94 %
Total Carbonate %	0.06 %
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: 48.330 grams

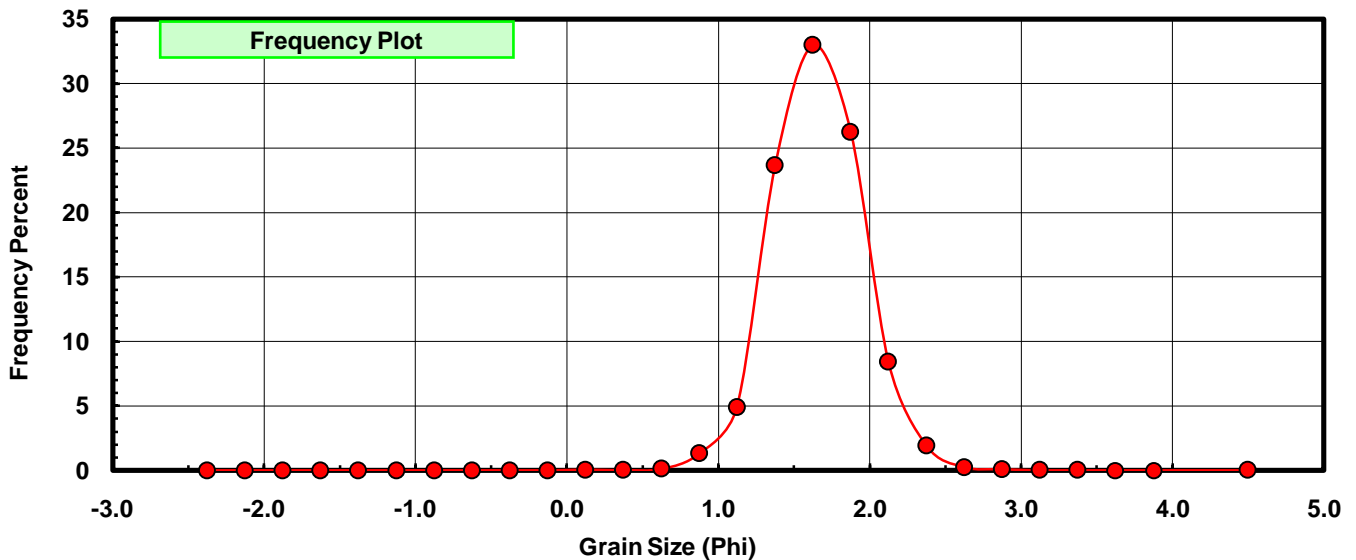
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.023	0.048	0.048
0.50	0.375	0.015	0.031	0.079
0.75	0.625	0.060	0.124	0.203
1.00	0.875	0.636	1.316	1.519
1.25	1.125	2.372	4.908	6.427
1.50	1.375	11.436	23.662	30.089
1.75	1.625	15.931	32.963	63.052
2.00	1.875	12.687	26.251	89.303
2.25	2.125	4.060	8.401	97.703
2.50	2.375	0.931	1.926	99.630
2.75	2.625	0.120	0.248	99.878
3.00	2.875	0.039	0.081	99.959
3.25	3.125	0.009	0.019	99.977
3.50	3.375	0.007	0.014	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:	1.6554	phi	(0.3174 mm)
Standard Dev:	0.3027	phi-units	(0.8108 mm)
Skewness:	0.0932	dimensionless	
Kurtosis:	4.2065	dimensionless	
5th Moment:	4.0923	dimensionless	
6th Moment:	69.9957	dimensionless	
RARD *	0.1828	dimensionless	
Median	1.5260	phi	(0.3472 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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