

Onshore Grab Sample

Sample: ES-07-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/29/11
Splits? N/A

County: Escambia
Latitude: 30° 17' 51.1" N
Longitude: 87° 25' 18.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	50.067 grams
Total Fines in Sample	0.022 grams
Total Percent Fines	0.04 %

Dry Sieving Summary

Total Sample Weight	50.038 grams
Total Digested Weight	49.808 grams
Total Carbonate Weight	0.230 grams
Total Silica %	99.54 %
Total Carbonate %	0.46 %
Carbonate/Silica Ratio	0.005

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: 50.038 grams

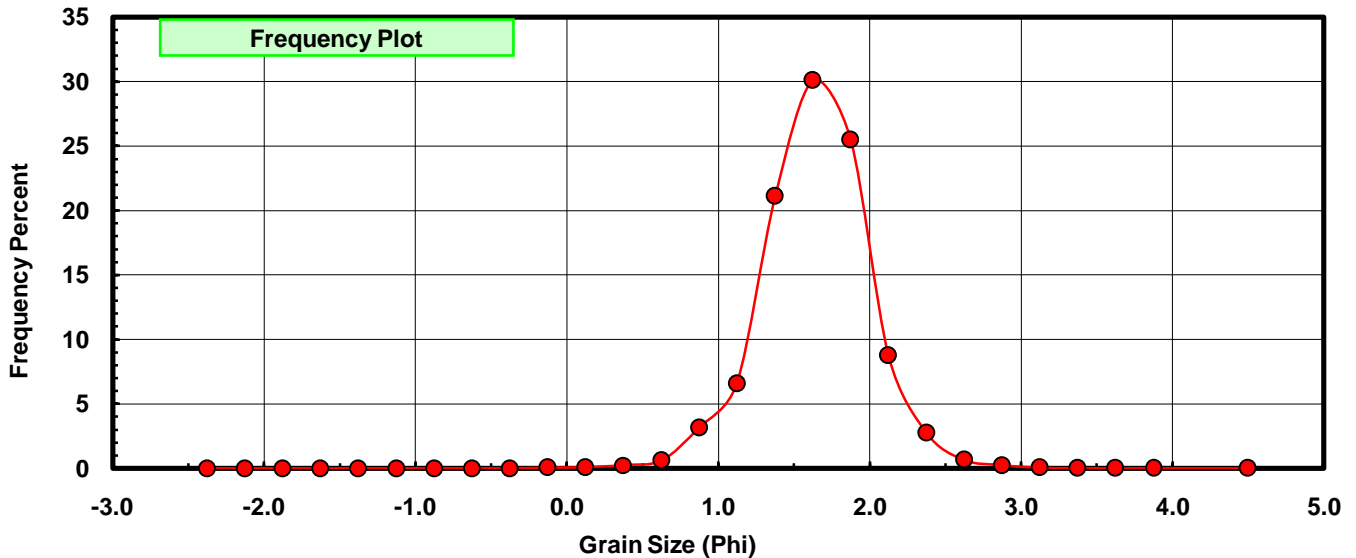
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.027	0.054	0.054
0.25	0.125	0.043	0.086	0.140
0.50	0.375	0.125	0.250	0.390
0.75	0.625	0.308	0.616	1.005
1.00	0.875	1.586	3.170	4.175
1.25	1.125	3.304	6.603	10.778
1.50	1.375	10.565	21.114	31.892
1.75	1.625	15.065	30.107	61.999
2.00	1.875	12.750	25.481	87.480
2.25	2.125	4.384	8.761	96.241
2.50	2.375	1.382	2.762	99.003
2.75	2.625	0.326	0.652	99.654
3.00	2.875	0.120	0.240	99.894
3.25	3.125	0.028	0.056	99.950
3.50	3.375	0.012	0.024	99.974
3.75	3.625	0.005	0.010	99.984
4.00	3.875	0.004	0.008	99.992
5.00	4.50	0.004	0.008	100.000

Statistical Results			
Mean:	1.6435	phi	(0.3201 mm)
Standard Dev:	0.3613	phi-units	(0.7785 mm)
Skewness:	-0.0930	dimensionless	
Kurtosis:	4.6997	dimensionless	
5th Moment:	1.4682	dimensionless	
6th Moment:	65.8384	dimensionless	
RARD *	0.2198	dimensionless	
Median	1.5254	phi	(0.3474 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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