

Onshore Grab Sample

Sample: ES-14-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/29/11
Splits? N/A

County: Escambia
Latitude: 30° 19' 17.7" N
Longitude: 87° 18' 49.8" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	46.104 grams
Total Fines in Sample	0.052 grams
Total Percent Fines	0.11 %

Dry Sieving Summary

Total Sample Weight	45.917 grams
Total Digested Weight	45.867 grams
Total Carbonate Weight	0.050 grams
Total Silica %	99.89 %
Total Carbonate %	0.11 %
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: 45.917 grams

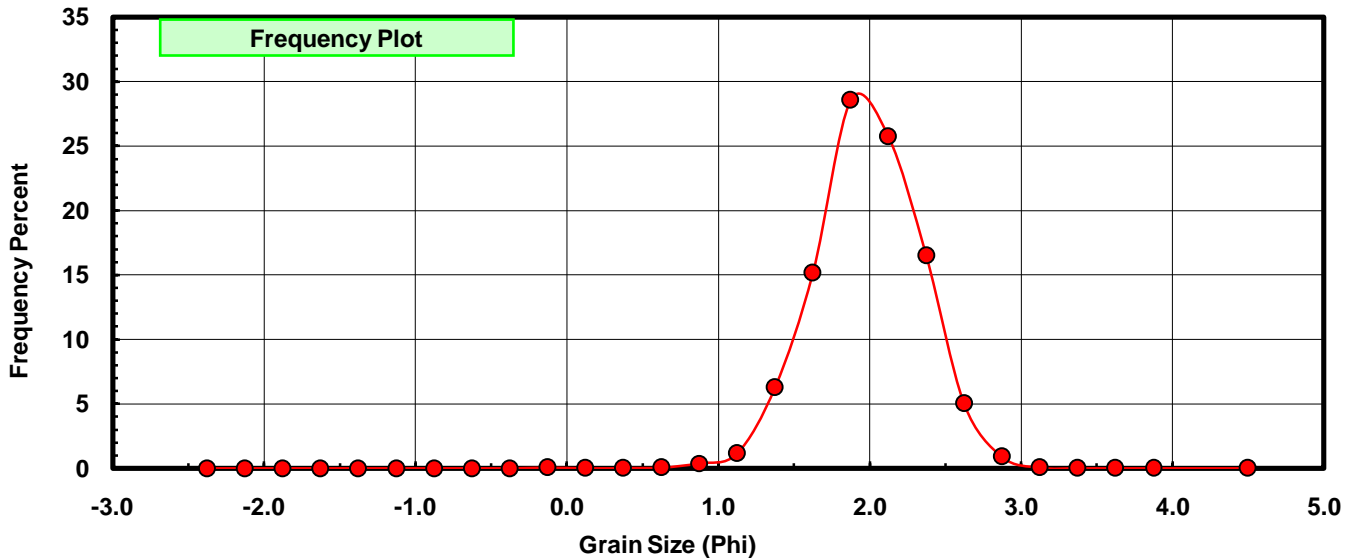
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.028	0.061	0.061
0.25	0.125	0.005	0.011	0.072
0.50	0.375	0.008	0.017	0.089
0.75	0.625	0.024	0.052	0.142
1.00	0.875	0.183	0.399	0.540
1.25	1.125	0.529	1.152	1.692
1.50	1.375	2.890	6.294	7.986
1.75	1.625	6.965	15.169	23.155
2.00	1.875	13.118	28.569	51.724
2.25	2.125	11.813	25.727	77.451
2.50	2.375	7.578	16.504	93.954
2.75	2.625	2.306	5.022	98.976
3.00	2.875	0.416	0.906	99.882
3.25	3.125	0.033	0.072	99.954
3.50	3.375	0.011	0.024	99.978
3.75	3.625	0.005	0.011	99.989
4.00	3.875	0.003	0.007	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.9859	phi	(0.2525 mm)
Standard Dev:	0.3568	phi-units	(0.7809 mm)
Skewness:	-0.2241	dimensionless	
Kurtosis:	4.0058	dimensionless	
5th Moment:	-5.1367	dimensionless	
6th Moment:	53.7021	dimensionless	
RARD *	0.1797	dimensionless	
Median	1.8599	phi	(0.2755 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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