

Onshore Grab Sample

Sample: ES-22-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/28/11
Splits? N/A

County: Escambia
Latitude: 30° 19' 28.7" N
Longitude: 87° 11' 17.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	54.806 grams
Total Fines in Sample	0.006 grams
Total Percent Fines	0.01 %

Dry Sieving Summary

Total Sample Weight	54.763 grams
Total Digested Weight	45.672 grams
Total Carbonate Weight	9.091 grams
Total Silica %	83.40 %
Total Carbonate %	16.60 %
Carbonate/Silica Ratio	0.199

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: 54.763 grams

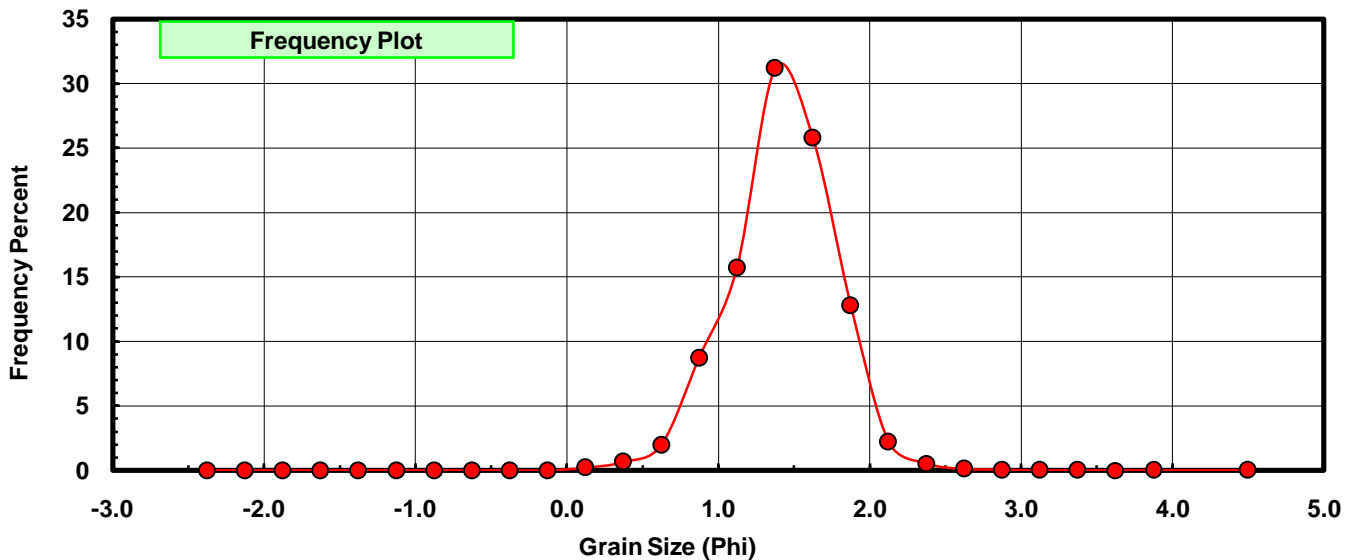
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.114	0.208	0.208
0.50	0.375	0.356	0.650	0.858
0.75	0.625	1.078	1.968	2.827
1.00	0.875	4.774	8.718	11.544
1.25	1.125	8.592	15.689	27.234
1.50	1.375	17.083	31.194	58.428
1.75	1.625	14.119	25.782	84.210
2.00	1.875	7.014	12.808	97.018
2.25	2.125	1.222	2.231	99.249
2.50	2.375	0.300	0.548	99.797
2.75	2.625	0.066	0.121	99.918
3.00	2.875	0.026	0.047	99.965
3.25	3.125	0.008	0.015	99.980
3.50	3.375	0.006	0.011	99.991
3.75	3.625	0.001	0.002	99.993
4.00	3.875	0.002	0.004	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.4220	phi	(0.3732 mm)
Standard Dev:	0.3509	phi-units	(0.7841 mm)
Skewness:	-0.1631	dimensionless	
Kurtosis:	3.9605	dimensionless	
5th Moment:	1.8174	dimensionless	
6th Moment:	50.5885	dimensionless	
RARD *	0.2468	dimensionless	
Median	1.3075	phi	(0.404 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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