

Onshore Grab Sample

Sample: ES-29-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/30/11
Splits? N/A

County: Escambia
Latitude: 30° 20' 32.2" N
Longitude: 87° 4' 54.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	48.568 grams
Total Fines in Sample	0.009 grams
Total Percent Fines	0.02 %

Dry Sieving Summary

Total Sample Weight	48.390 grams
Total Digested Weight	48.303 grams
Total Carbonate Weight	0.087 grams
Total Silica %	99.82 %
Total Carbonate %	0.18 %
Carbonate/Silica Ratio	0.002

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: 48.390 grams

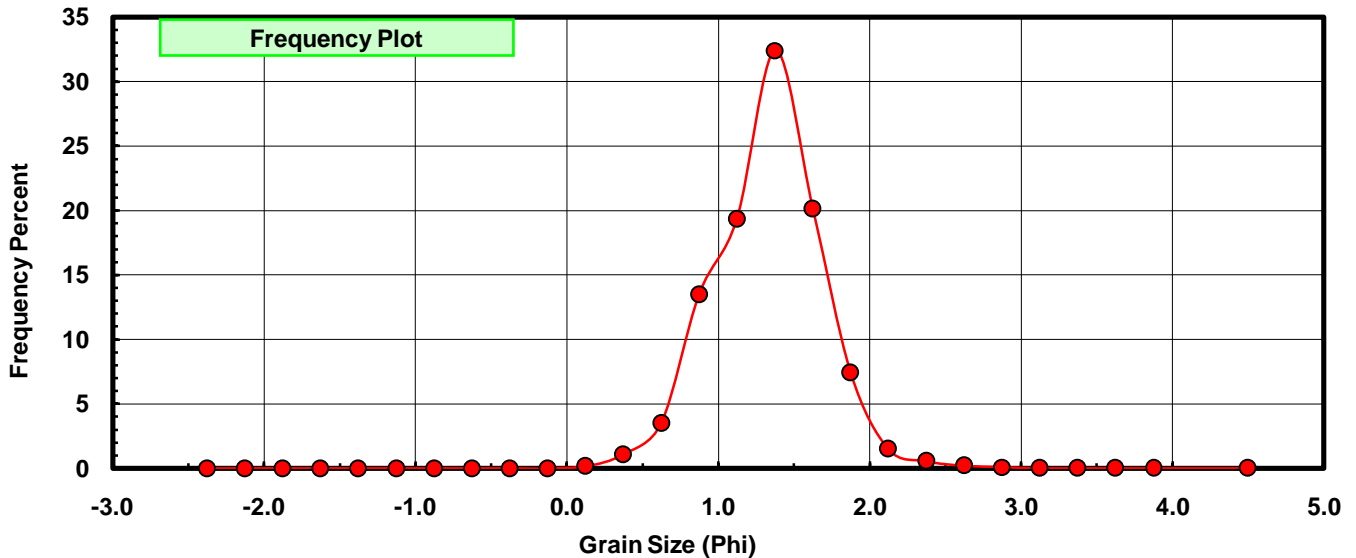
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.083	0.172	0.172
0.50	0.375	0.528	1.091	1.263
0.75	0.625	1.695	3.503	4.765
1.00	0.875	6.531	13.497	18.262
1.25	1.125	9.360	19.343	37.605
1.50	1.375	15.686	32.416	70.021
1.75	1.625	9.733	20.114	90.134
2.00	1.875	3.590	7.419	97.553
2.25	2.125	0.723	1.494	99.047
2.50	2.375	0.273	0.564	99.611
2.75	2.625	0.108	0.223	99.835
3.00	2.875	0.049	0.101	99.936
3.25	3.125	0.013	0.027	99.963
3.50	3.375	0.009	0.019	99.981
3.75	3.625	0.002	0.004	99.986
4.00	3.875	0.002	0.004	99.990
5.00	4.50	0.005	0.010	100.000

Statistical Results			
Mean:	1.3297	phi	(0.3978 mm)
Standard Dev:	0.3658	phi-units	(0.776 mm)
Skewness:	0.1730	dimensionless	
Kurtosis:	4.5420	dimensionless	
5th Moment:	9.8042	dimensionless	
6th Moment:	85.8035	dimensionless	
RARD *	0.2751	dimensionless	
Median	1.2206	phi	(0.4291 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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