

Onshore Grab Sample

Sample: ES-35-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/31/11
Splits? N/A

County: Escambia
Latitude: 30° 21' 32.5" N
Longitude: 86° 59' 18.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	72.969 grams
Total Fines in Sample	0.006 grams
Total Percent Fines	0.01 %

Dry Sieving Summary

Total Sample Weight	72.888 grams
Total Digested Weight	72.831 grams
Total Carbonate Weight	0.057 grams
Total Silica %	99.92 %
Total Carbonate %	0.08 %
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: 72.888 grams

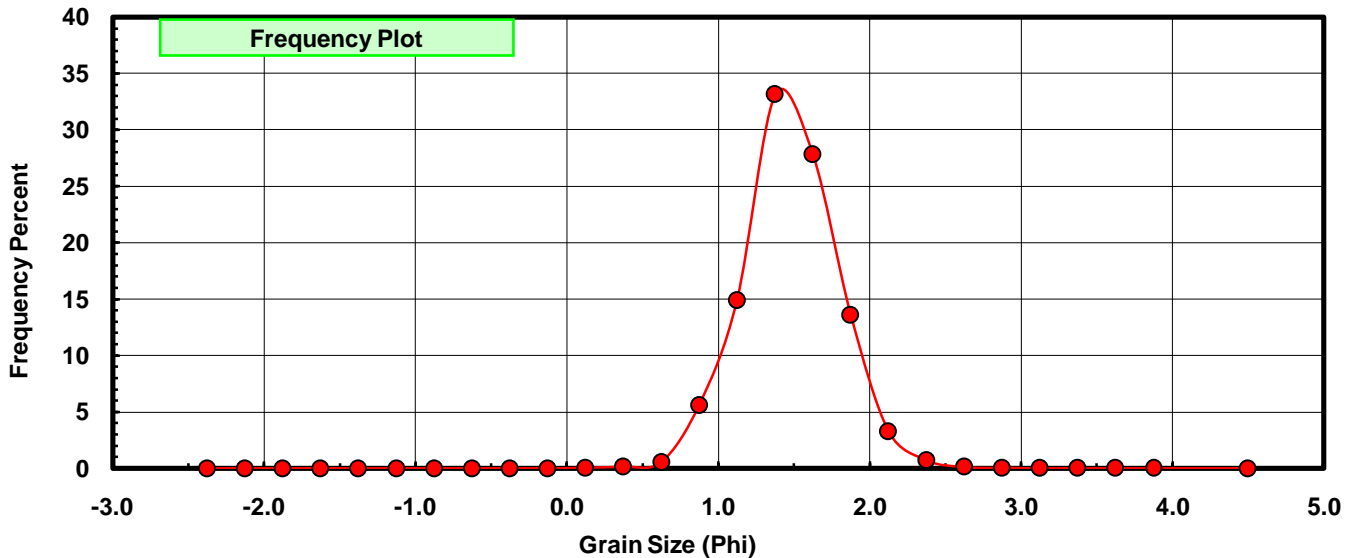
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.032	0.032
0.50	0.375	0.107	0.147	0.178
0.75	0.625	0.413	0.567	0.745
1.00	0.875	4.088	5.609	6.354
1.25	1.125	10.849	14.884	21.238
1.50	1.375	24.166	33.155	54.393
1.75	1.625	20.266	27.804	82.197
2.00	1.875	9.911	13.598	95.795
2.25	2.125	2.385	3.272	99.067
2.50	2.375	0.519	0.712	99.779
2.75	2.625	0.100	0.137	99.916
3.00	2.875	0.036	0.049	99.966
3.25	3.125	0.011	0.015	99.981
3.50	3.375	0.006	0.008	99.989
3.75	3.625	0.002	0.003	99.992
4.00	3.875	0.005	0.007	99.999
5.00	4.50	0.001	0.001	100.000

Statistical Results			
Mean:	1.4760	phi	(0.3595 mm)
Standard Dev:	0.3183	phi-units	(0.802 mm)
Skewness:	0.1502	dimensionless	
Kurtosis:	3.9811	dimensionless	
5th Moment:	5.3623	dimensionless	
6th Moment:	54.9772	dimensionless	
RARD *	0.2157	dimensionless	
Median	1.3419	phi	(0.3945 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)



ES-35-BB

