

Onshore Grab Sample

Sample: ES-38-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/31/11
Splits? N/A

County: Escambia
Latitude: 30° 22' 2.2" N
Longitude: 86° 56' 30.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 71.072 grams
Total Fines in Sample 0.004 grams
Total Percent Fines 0.01 %

Dry Sieving Summary

Total Sample Weight 71.055 grams
Total Digested Weight 70.994 grams
Total Carbonate Weight 0.061 grams
Total Silica % 99.91 %
Total Carbonate % 0.09 %
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: 71.055 grams

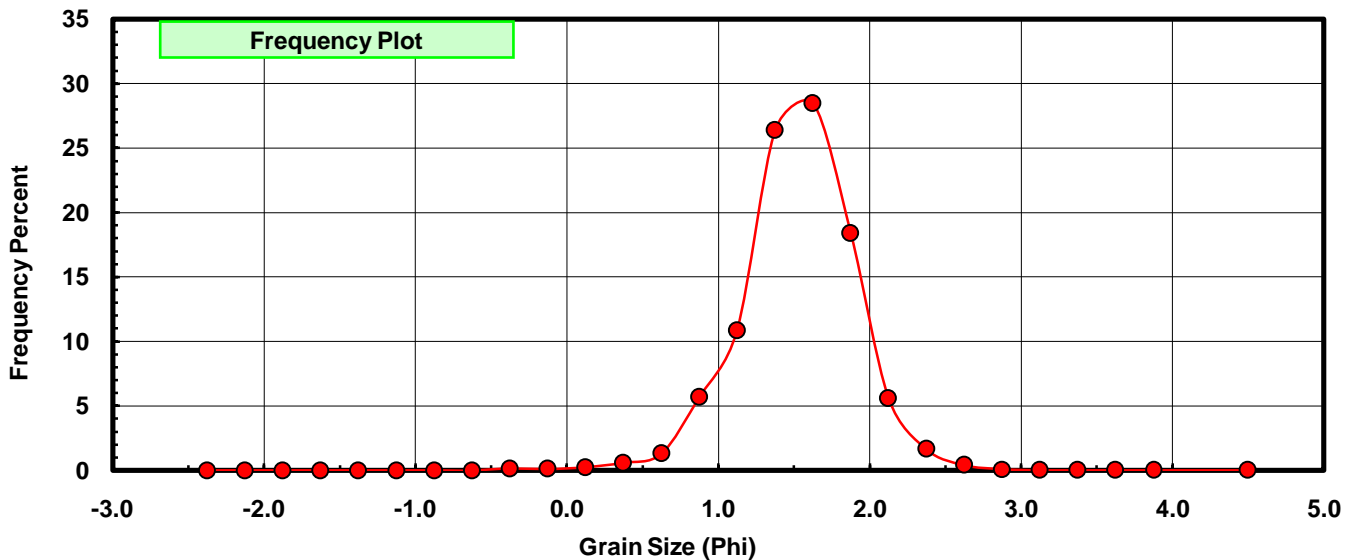
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.100	0.141	0.141
0.00	-0.125	0.086	0.121	0.262
0.25	0.125	0.177	0.249	0.511
0.50	0.375	0.424	0.597	1.108
0.75	0.625	0.927	1.305	2.412
1.00	0.875	4.037	5.682	8.094
1.25	1.125	7.702	10.839	18.933
1.50	1.375	18.751	26.389	45.323
1.75	1.625	20.233	28.475	73.798
2.00	1.875	13.074	18.400	92.198
2.25	2.125	3.974	5.593	97.790
2.50	2.375	1.175	1.654	99.444
2.75	2.625	0.296	0.417	99.861
3.00	2.875	0.072	0.101	99.962
3.25	3.125	0.013	0.018	99.980
3.50	3.375	0.006	0.008	99.989
3.75	3.625	0.004	0.006	99.994
4.00	3.875	0.002	0.003	99.997
5.00	4.50	0.002	0.003	100.000

Statistical Results			
Mean:	1.5255	phi	(0.3474 mm)
Standard Dev:	0.3832	phi-units	(0.7667 mm)
Skewness:	-0.4112	dimensionless	
Kurtosis:	4.8669	dimensionless	
5th Moment:	-6.4099	dimensionless	
6th Moment:	61.9156	dimensionless	
RARD *	0.2512	dimensionless	
Median	1.4161	phi	(0.3747 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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