

Onshore Grab Sample

Sample: ES-23-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/28/11
Splits? N/A

County: Escambia
Latitude: 30° 19' 34" N
Longitude: 87° 10' 23.8" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	49.508 grams
Total Fines in Sample	0.013 grams
Total Percent Fines	0.03 %

Dry Sieving Summary

Total Sample Weight	49.282 grams
Total Digested Weight	54.679 grams
Total Carbonate Weight	-5.397 grams
Total Silica %	110.95 %
Total Carbonate %	-10.95 %
Carbonate/Silica Ratio	-0.099

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: 49.282 grams

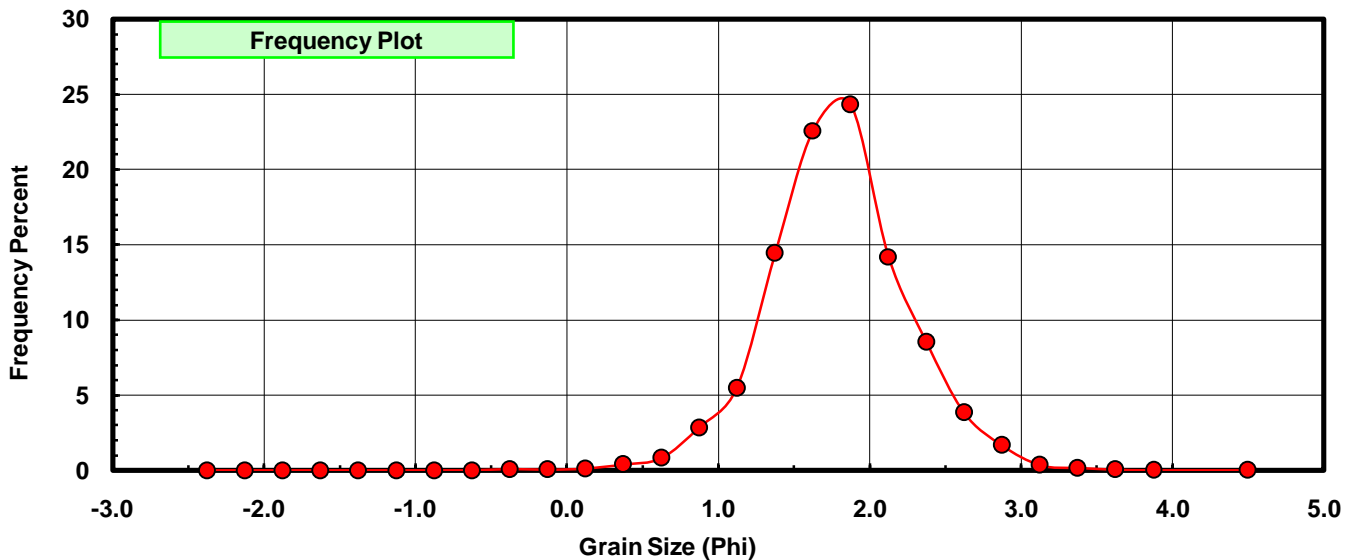
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.041	0.083	0.083
0.00	-0.125	0.030	0.061	0.144
0.25	0.125	0.060	0.122	0.266
0.50	0.375	0.196	0.398	0.664
0.75	0.625	0.401	0.814	1.477
1.00	0.875	1.404	2.849	4.326
1.25	1.125	2.698	5.475	9.801
1.50	1.375	7.114	14.435	24.236
1.75	1.625	11.135	22.594	46.830
2.00	1.875	11.984	24.317	71.148
2.25	2.125	7.004	14.212	85.360
2.50	2.375	4.207	8.537	93.896
2.75	2.625	1.896	3.847	97.744
3.00	2.875	0.824	1.672	99.416
3.25	3.125	0.171	0.347	99.763
3.50	3.375	0.076	0.154	99.917
3.75	3.625	0.025	0.051	99.968
4.00	3.875	0.011	0.022	99.990
5.00	4.50	0.005	0.010	100.000

Statistical Results			
Mean:	1.7875	phi	(0.2897 mm)
Standard Dev:	0.4679	phi-units	(0.723 mm)
Skewness:	-0.0218	dimensionless	
Kurtosis:	4.0826	dimensionless	
5th Moment:	-1.0966	dimensionless	
6th Moment:	37.1206	dimensionless	
RARD *	0.2618	dimensionless	
Median	1.6576	phi	(0.317 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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