

Onshore Grab Sample

Sample: ES-08-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/29/11
Splits? N/A

County: Escambia
Latitude: 30° 18' 3.1" N
Longitude: 87° 24' 18.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	47.5 grams
Total Fines in Sample	0.012 grams
Total Percent Fines	0.03 %

Dry Sieving Summary

Total Sample Weight	47.131 grams
Total Digested Weight	46.916 grams
Total Carbonate Weight	0.215 grams
Total Silica %	99.54 %
Total Carbonate %	0.46 %
Carbonate/Silica Ratio	0.005

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: 47.131 grams

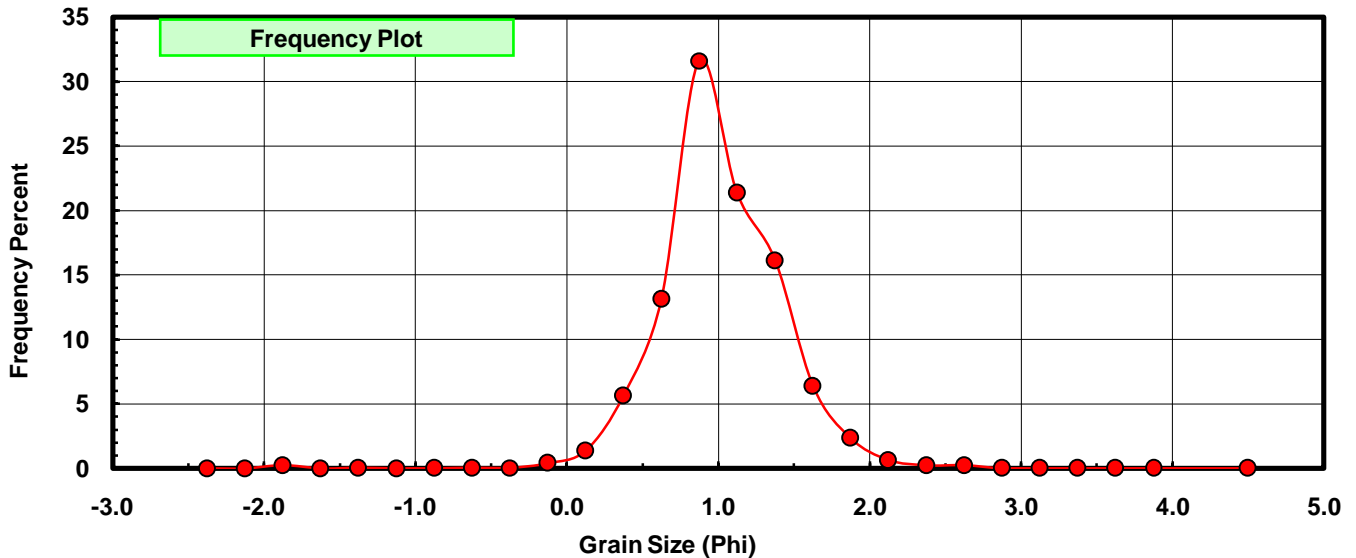
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.116	0.246	0.246
-1.50	-1.625	0.000	0.000	0.246
-1.25	-1.375	0.018	0.038	0.284
-1.00	-1.125	0.000	0.000	0.284
-0.75	-0.875	0.012	0.025	0.310
-0.50	-0.625	0.019	0.040	0.350
-0.25	-0.375	0.024	0.051	0.401
0.00	-0.125	0.195	0.414	0.815
0.25	0.125	0.651	1.381	2.196
0.50	0.375	2.664	5.652	7.848
0.75	0.625	6.189	13.131	20.980
1.00	0.875	14.904	31.622	52.602
1.25	1.125	10.075	21.377	73.979
1.50	1.375	7.601	16.127	90.106
1.75	1.625	3.008	6.382	96.489
2.00	1.875	1.105	2.345	98.833
2.25	2.125	0.297	0.630	99.463
2.50	2.375	0.112	0.238	99.701
2.75	2.625	0.114	0.242	99.943
3.00	2.875	0.008	0.017	99.960
3.25	3.125	0.006	0.013	99.972
3.50	3.375	0.004	0.008	99.981
3.75	3.625	0.002	0.004	99.985
4.00	3.875	0.005	0.011	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.0126	phi	(0.4957 mm)
Standard Dev:	0.4260	phi-units	(0.7443 mm)
Skewness:	-0.4916	dimensionless	
Kurtosis:	9.3350	dimensionless	
5th Moment:	-31.3766	dimensionless	
6th Moment:	308.3684	dimensionless	
RARD *	0.4207	dimensionless	
Median	0.8544	phi	(0.5531 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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