

Onshore Grab Sample

Sample: ES-09-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/29/11
Splits? N/A

County: Escambia
Latitude: 30° 18' 17.6" N
Longitude: 87° 23' 21.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	49.333 grams
Total Fines in Sample	0.007 grams
Total Percent Fines	0.01 %

Dry Sieving Summary

Total Sample Weight	49.103 grams
Total Digested Weight	49.046 grams
Total Carbonate Weight	0.057 grams
Total Silica %	99.88 %
Total Carbonate %	0.12 %
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: 49.103 grams

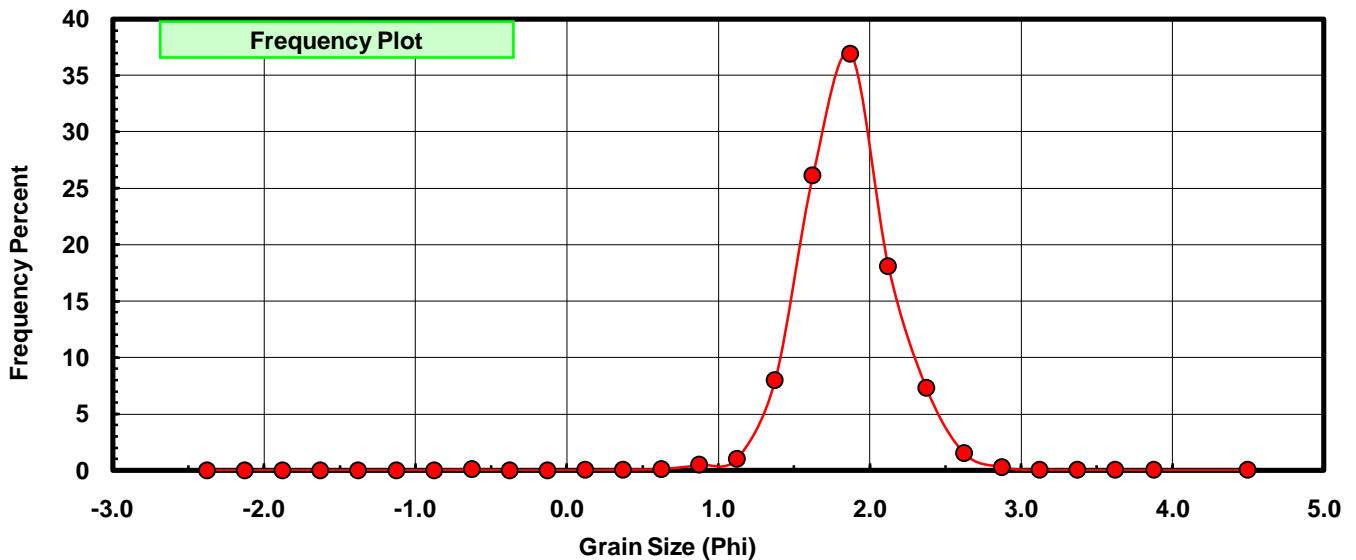
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.040	0.081	0.081
-0.25	-0.375	0.000	0.000	0.081
0.00	-0.125	0.000	0.000	0.081
0.25	0.125	0.011	0.022	0.104
0.50	0.375	0.023	0.047	0.151
0.75	0.625	0.056	0.114	0.265
1.00	0.875	0.233	0.475	0.739
1.25	1.125	0.496	1.010	1.749
1.50	1.375	3.920	7.983	9.733
1.75	1.625	12.838	26.145	35.878
2.00	1.875	18.116	36.894	72.772
2.25	2.125	8.868	18.060	90.832
2.50	2.375	3.589	7.309	98.141
2.75	2.625	0.745	1.517	99.658
3.00	2.875	0.134	0.273	99.931
3.25	3.125	0.017	0.035	99.965
3.50	3.375	0.008	0.016	99.982
3.75	3.625	0.002	0.004	99.986
4.00	3.875	0.003	0.006	99.992
5.00	4.50	0.004	0.008	100.000

Statistical Results			
Mean:	1.8497	phi	(0.2774 mm)
Standard Dev:	0.3153	phi-units	(0.8037 mm)
Skewness:	-0.2905	dimensionless	
Kurtosis:	7.3845	dimensionless	
5th Moment:	-22.0281	dimensionless	
6th Moment:	263.5974	dimensionless	
RARD *	0.1704	dimensionless	
Median	1.7207	phi	(0.3034 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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