

**Onshore Grab Sample**

**Sample:** ES-04-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/29/11  
**Splits?** N/A

**County:** Escambia  
**Latitude:** 30° 17' 23.2" N  
**Longitude:** 87° 28' 11.7" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 44.131 grams  
Total Fines in Sample 0.038 grams  
Total Percent Fines 0.09 %

**Dry Sieving Summary**

Total Sample Weight 43.843 grams  
Total Digested Weight 43.765 grams  
Total Carbonate Weight 0.078 grams  
Total Silica % 99.82 %  
Total Carbonate % 0.18 %  
Carbonate/Silica Ratio 0.002

**General Comments:**

Not Enough Carbonate Material to do Post-Digestion Analysis

**Description**

Worked By: M. Ladle

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: ES-04-BB

Total Sample Mass: 43.843 grams

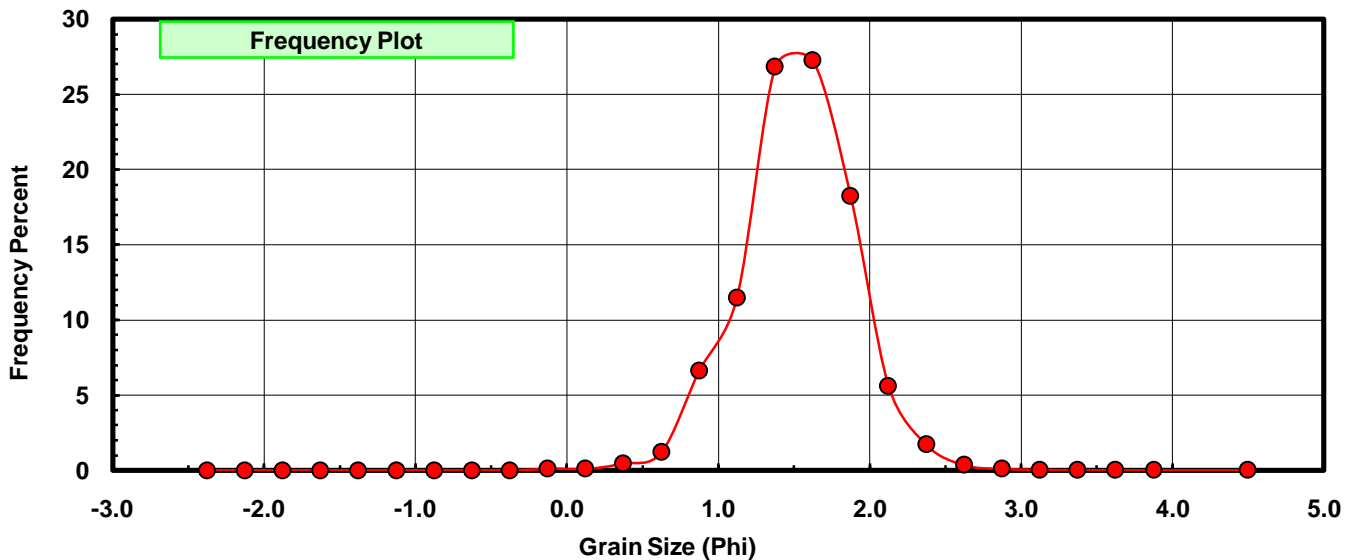
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.043	0.098	0.098
0.25	0.125	0.042	0.096	0.194
0.50	0.375	0.199	0.454	0.648
0.75	0.625	0.530	1.209	1.857
1.00	0.875	2.893	6.599	8.455
1.25	1.125	5.021	11.452	19.907
1.50	1.375	11.754	26.809	46.717
1.75	1.625	11.944	27.243	73.959
2.00	1.875	7.988	18.220	92.179
2.25	2.125	2.457	5.604	97.783
2.50	2.375	0.749	1.708	99.491
2.75	2.625	0.157	0.358	99.849
3.00	2.875	0.039	0.089	99.938
3.25	3.125	0.013	0.030	99.968
3.50	3.375	0.006	0.014	99.982
3.75	3.625	0.002	0.005	99.986
4.00	3.875	0.002	0.005	99.991
5.00	4.50	0.004	0.009	100.000

Statistical Results			
Mean:	1.5225	phi	(0.3481 mm)
Standard Dev:	0.3766	phi-units	(0.7703 mm)
Skewness:	-0.0947	dimensionless	
Kurtosis:	4.1587	dimensionless	
5th Moment:	1.8743	dimensionless	
6th Moment:	55.9831	dimensionless	
RARD *	0.2473	dimensionless	
Median	1.4051	phi	(0.3776 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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