

**Onshore Grab Sample**

**Sample:** ES-39-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/31/11  
**Splits?** N/A

**County:** Escambia  
**Latitude:** 30° 22' 12.6" N  
**Longitude:** 86° 55' 33.8" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	71.154 grams
Total Fines in Sample	0.023 grams
Total Percent Fines	0.03 %

**Dry Sieving Summary**

Total Sample Weight	70.916 grams
Total Digested Weight	70.455 grams
Total Carbonate Weight	0.461 grams
Total Silica %	99.35 %
Total Carbonate %	0.65 %
Carbonate/Silica Ratio	0.007

**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-39-BB

Total Sample Mass: 70.916 grams

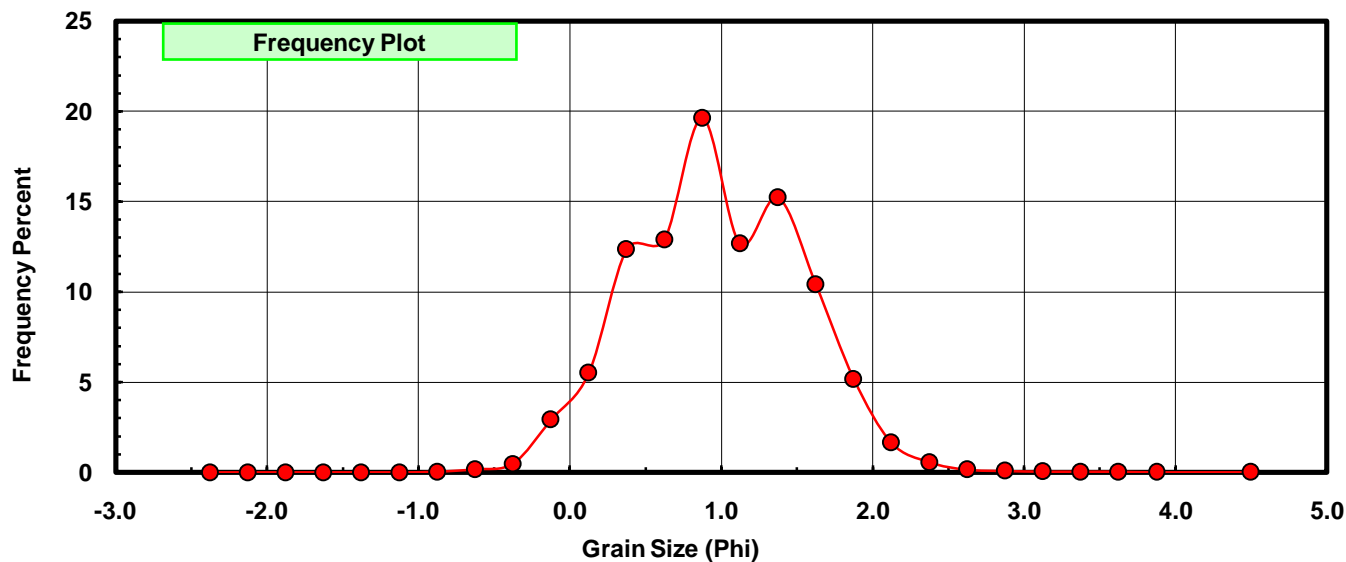
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.022	0.031	0.031
-0.50	-0.625	0.121	0.171	0.202
-0.25	-0.375	0.353	0.498	0.699
0.00	-0.125	2.073	2.923	3.623
0.25	0.125	3.910	5.514	9.136
0.50	0.375	8.759	12.351	21.487
0.75	0.625	9.133	12.879	34.366
1.00	0.875	13.919	19.627	53.993
1.25	1.125	8.986	12.671	66.665
1.50	1.375	10.789	15.214	81.879
1.75	1.625	7.369	10.391	92.270
2.00	1.875	3.664	5.167	97.436
2.25	2.125	1.163	1.640	99.076
2.50	2.375	0.392	0.553	99.629
2.75	2.625	0.114	0.161	99.790
3.00	2.875	0.061	0.086	99.876
3.25	3.125	0.030	0.042	99.918
3.50	3.375	0.023	0.032	99.951
3.75	3.625	0.017	0.024	99.975
4.00	3.875	0.009	0.013	99.987
5.00	4.50	0.009	0.013	100.000

Statistical Results			
Mean:	0.9751	phi	(0.5087 mm)
Standard Dev:	0.5635	phi-units	(0.6767 mm)
Skewness:	0.1416	dimensionless	
Kurtosis:	3.1246	dimensionless	
5th Moment:	3.4042	dimensionless	
6th Moment:	26.7440	dimensionless	
RARD *	0.5779	dimensionless	
Median	0.8241	phi	(0.5648 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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