

**Onshore Grab Sample**

**Sample:** ES-36-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/31/11  
**Splits?** N/A

**County:** Escambia  
**Latitude:** 30° 21' 42.8" N  
**Longitude:** 86° 58' 23.5" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	76.313 grams
Total Fines in Sample	0.023 grams
Total Percent Fines	0.03 %

**Dry Sieving Summary**

Total Sample Weight	76.252 grams
Total Digested Weight	76.190 grams
Total Carbonate Weight	0.062 grams
Total Silica %	99.92 %
Total Carbonate %	0.08 %
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

Sample: ES-36-BB

Total Sample Mass: 76.252 grams

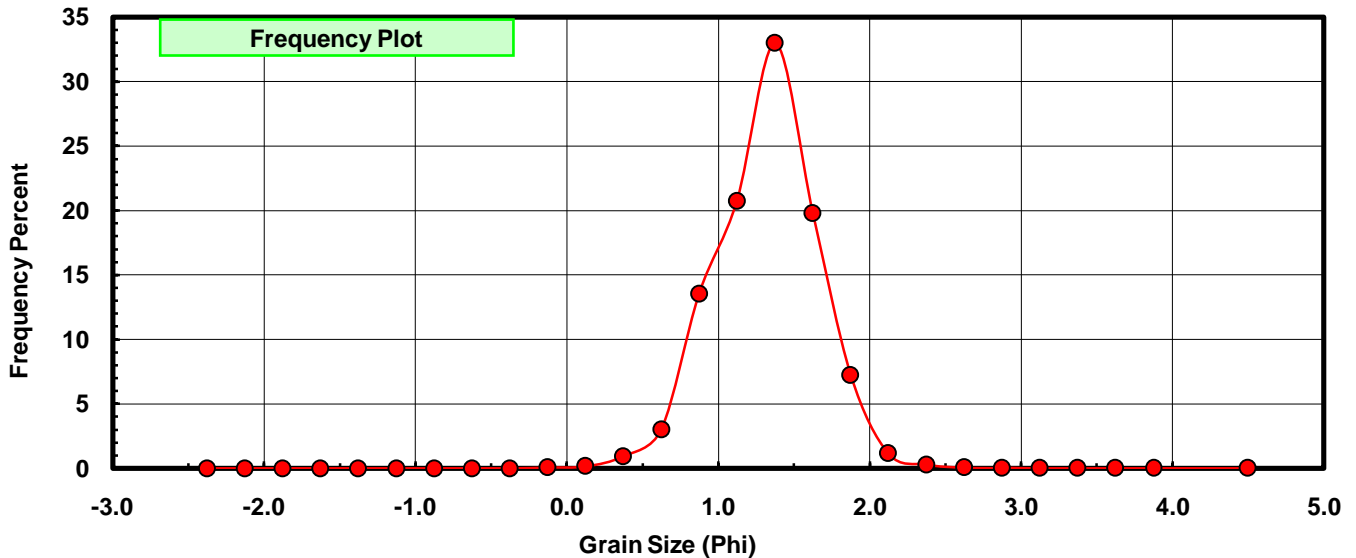
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.052	0.068	0.068
0.25	0.125	0.116	0.152	0.220
0.50	0.375	0.709	0.930	1.150
0.75	0.625	2.302	3.019	4.169
1.00	0.875	10.322	13.537	17.706
1.25	1.125	15.809	20.733	38.438
1.50	1.375	25.145	32.976	71.415
1.75	1.625	15.079	19.775	91.190
2.00	1.875	5.520	7.239	98.429
2.25	2.125	0.878	1.151	99.580
2.50	2.375	0.218	0.286	99.866
2.75	2.625	0.049	0.064	99.930
3.00	2.875	0.022	0.029	99.959
3.25	3.125	0.009	0.012	99.971
3.50	3.375	0.007	0.009	99.980
3.75	3.625	0.004	0.005	99.986
4.00	3.875	0.006	0.008	99.993
5.00	4.50	0.005	0.007	100.000

Statistical Results			
Mean:	1.3199	phi	(0.4006 mm)
Standard Dev:	0.3451	phi-units	(0.7873 mm)
Skewness:	-0.0146	dimensionless	
Kurtosis:	4.3642	dimensionless	
5th Moment:	6.9677	dimensionless	
6th Moment:	88.1405	dimensionless	
RARD *	0.2615	dimensionless	
Median	1.2127	phi	(0.4315 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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