

**Onshore Grab Sample**

**Sample:** ES-30-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/30/11  
**Splits?** N/A

**County:** Escambia  
**Latitude:** 30° 20' 43" N  
**Longitude:** 87° 3' 58.8" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	62.295 grams
Total Fines in Sample	0.037 grams
Total Percent Fines	0.06 %

**Dry Sieving Summary**

Total Sample Weight	62.117 grams
Total Digested Weight	61.776 grams
Total Carbonate Weight	0.341 grams
Total Silica %	99.45 %
Total Carbonate %	0.55 %
Carbonate/Silica Ratio	0.006

**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-30-BB

Total Sample Mass: 62.117 grams

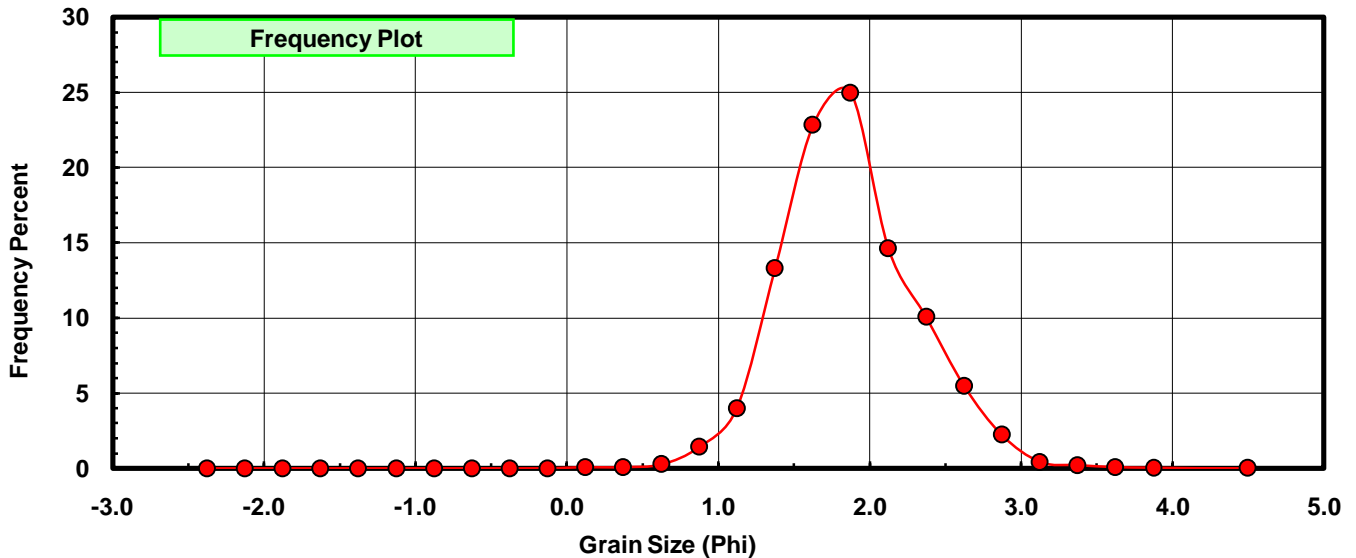
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.043	0.069	0.069
0.50	0.375	0.051	0.082	0.151
0.75	0.625	0.162	0.261	0.412
1.00	0.875	0.886	1.426	1.838
1.25	1.125	2.473	3.981	5.820
1.50	1.375	8.272	13.317	19.136
1.75	1.625	14.178	22.825	41.961
2.00	1.875	15.512	24.972	66.933
2.25	2.125	9.072	14.605	81.538
2.50	2.375	6.245	10.054	91.592
2.75	2.625	3.398	5.470	97.062
3.00	2.875	1.376	2.215	99.277
3.25	3.125	0.253	0.407	99.684
3.50	3.375	0.123	0.198	99.882
3.75	3.625	0.048	0.077	99.960
4.00	3.875	0.016	0.026	99.986
5.00	4.50	0.009	0.014	100.000

Statistical Results			
Mean:	1.8618	phi	(0.2751 mm)
Standard Dev:	0.4446	phi-units	(0.7348 mm)
Skewness:	0.3284	dimensionless	
Kurtosis:	3.6137	dimensionless	
5th Moment:	3.5306	dimensionless	
6th Moment:	29.5788	dimensionless	
RARD *	0.2388	dimensionless	
Median	1.7055	phi	(0.3066 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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