

**Onshore Grab Sample**

**Sample:** ES-06-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/29/11  
**Splits?** N/A

**County:** Escambia  
**Latitude:** 30° 17' 42.3" N  
**Longitude:** 87° 26' 19.4" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	49.891 grams
Total Fines in Sample	0.010 grams
Total Percent Fines	0.02 %

**Dry Sieving Summary**

Total Sample Weight	50.056 grams
Total Digested Weight	49.791 grams
Total Carbonate Weight	0.265 grams
Total Silica %	99.47 %
Total Carbonate %	0.53 %
Carbonate/Silica Ratio	0.005

**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-06-BB

Total Sample Mass: 50.056 grams

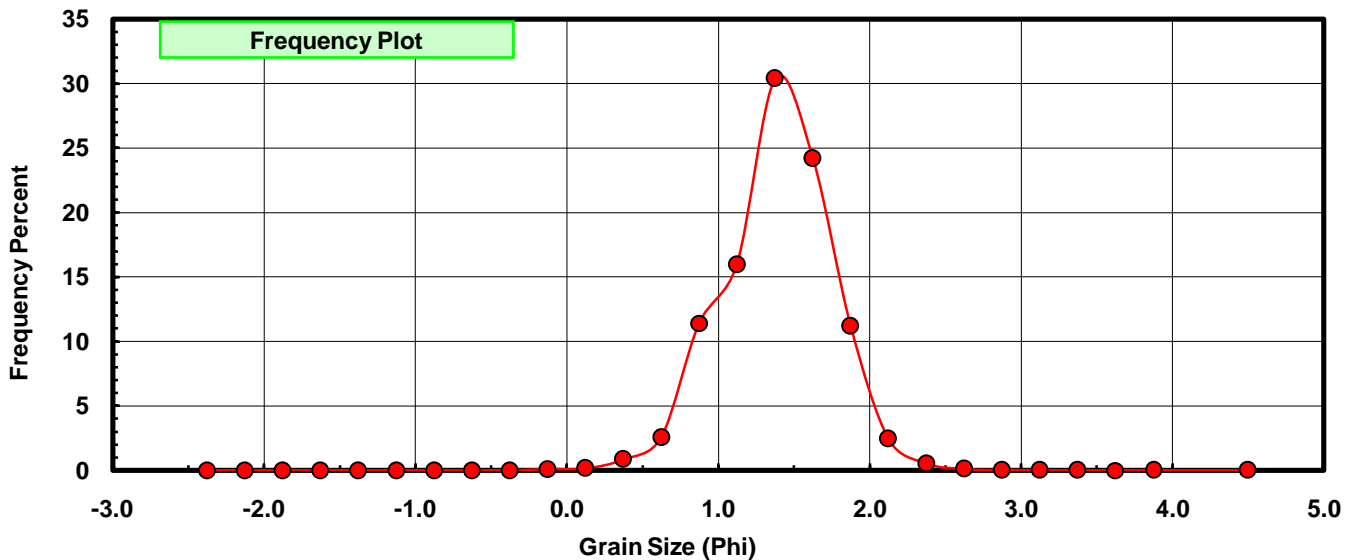
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.046	0.092	0.092
0.25	0.125	0.087	0.174	0.266
0.50	0.375	0.426	0.851	1.117
0.75	0.625	1.281	2.559	3.676
1.00	0.875	5.716	11.419	15.095
1.25	1.125	7.999	15.980	31.075
1.50	1.375	15.215	30.396	61.471
1.75	1.625	12.109	24.191	85.662
2.00	1.875	5.602	11.191	96.854
2.25	2.125	1.219	2.435	99.289
2.50	2.375	0.265	0.529	99.818
2.75	2.625	0.052	0.104	99.922
3.00	2.875	0.019	0.038	99.960
3.25	3.125	0.009	0.018	99.978
3.50	3.375	0.004	0.008	99.986
3.75	3.625	0.001	0.002	99.988
4.00	3.875	0.003	0.006	99.994
5.00	4.50	0.003	0.006	100.000

Statistical Results			
Mean:	1.3894	phi	(0.3817 mm)
Standard Dev:	0.3677	phi-units	(0.775 mm)
Skewness:	-0.1450	dimensionless	
Kurtosis:	3.9310	dimensionless	
5th Moment:	2.3641	dimensionless	
6th Moment:	55.0841	dimensionless	
RARD *	0.2647	dimensionless	
Median	1.2807	phi	(0.4116 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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