

**Onshore Grab Sample**

**Sample:** ES-25-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/30/11  
**Splits?** N/A

**County:** Escambia  
**Latitude:** 30° 19' 50" N  
**Longitude:** 87° 8' 34.8" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	60.724 grams
Total Fines in Sample	0.014 grams
Total Percent Fines	0.02 %

**Dry Sieving Summary**

Total Sample Weight	60.648 grams
Total Digested Weight	56.482 grams
Total Carbonate Weight	4.166 grams
Total Silica %	93.13 %
Total Carbonate %	6.87 %
Carbonate/Silica Ratio	0.074

**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-25-BB

Total Sample Mass: 60.648 grams

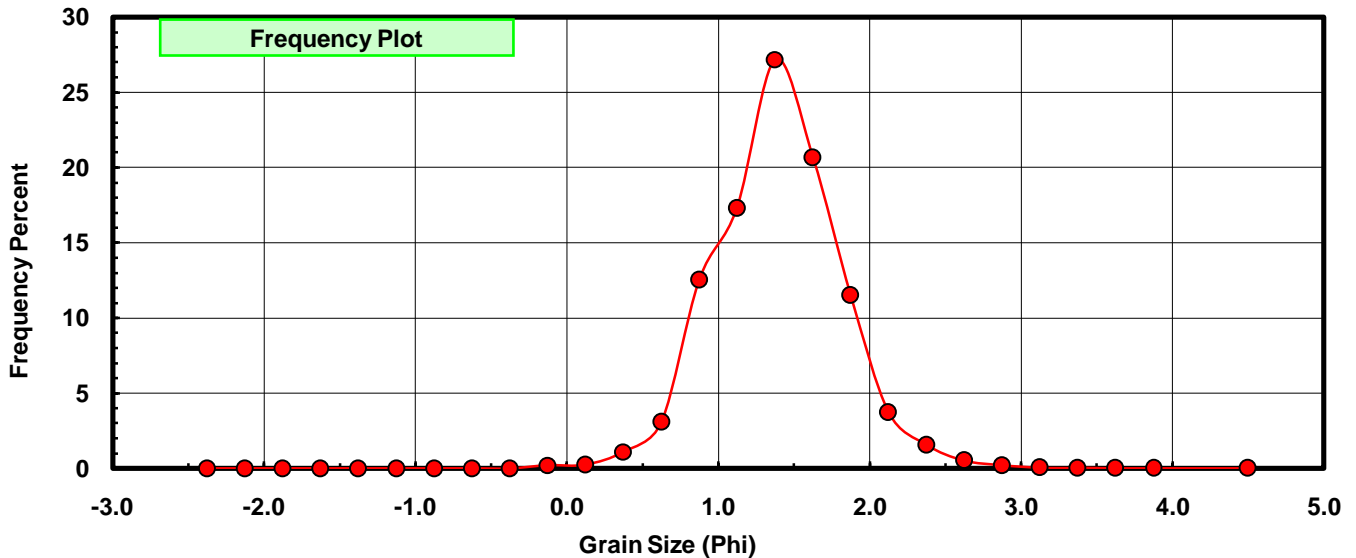
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.130	0.214	0.214
0.25	0.125	0.155	0.256	0.470
0.50	0.375	0.672	1.108	1.578
0.75	0.625	1.866	3.077	4.655
1.00	0.875	7.592	12.518	17.173
1.25	1.125	10.495	17.305	34.478
1.50	1.375	16.490	27.190	61.667
1.75	1.625	12.533	20.665	82.332
2.00	1.875	6.979	11.507	93.840
2.25	2.125	2.262	3.730	97.570
2.50	2.375	0.954	1.573	99.143
2.75	2.625	0.322	0.531	99.674
3.00	2.875	0.127	0.209	99.883
3.25	3.125	0.032	0.053	99.936
3.50	3.375	0.019	0.031	99.967
3.75	3.625	0.009	0.015	99.982
4.00	3.875	0.005	0.008	99.990
5.00	4.50	0.006	0.010	100.000

Statistical Results			
Mean:	1.3937	phi	(0.3806 mm)
Standard Dev:	0.4224	phi-units	(0.7462 mm)
Skewness:	0.1805	dimensionless	
Kurtosis:	4.1703	dimensionless	
5th Moment:	5.0277	dimensionless	
6th Moment:	50.0674	dimensionless	
RARD *	0.3031	dimensionless	
Median	1.2677	phi	(0.4153 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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