

**Onshore Grab Sample**

**Sample:** ES-24-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/28/11  
**Splits?** N/A

**County:** Escambia  
**Latitude:** 30° 19' 39.9" N  
**Longitude:** 87° 9' 29.2" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 56.5577 grams  
Total Fines in Sample 0.012 grams  
Total Percent Fines 0.02 %

**Dry Sieving Summary**

Total Sample Weight 56.551 grams  
Total Digested Weight 49.081 grams  
Total Carbonate Weight 7.470 grams  
Total Silica % 86.79 %  
Total Carbonate % 13.21 %  
Carbonate/Silica Ratio 0.152

**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-24-BB

Total Sample Mass: 56.551 grams

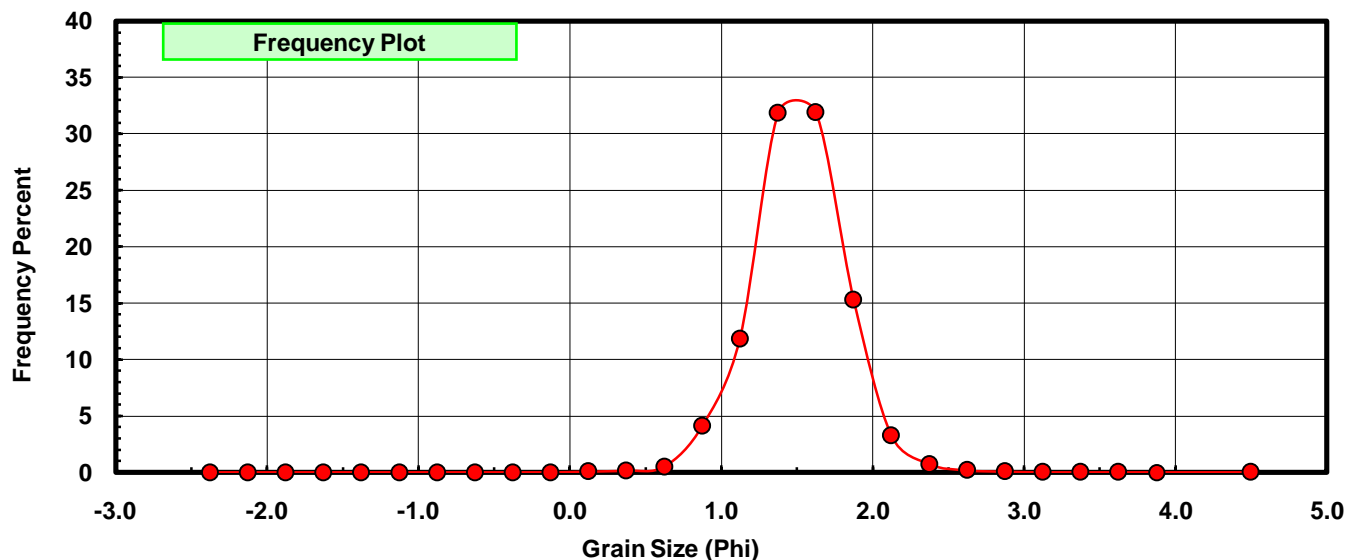
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.076	0.076
0.50	0.375	0.093	0.164	0.240
0.75	0.625	0.289	0.511	0.752
1.00	0.875	2.316	4.095	4.847
1.25	1.125	6.698	11.844	16.691
1.50	1.375	18.021	31.867	48.558
1.75	1.625	18.036	31.893	80.451
2.00	1.875	8.647	15.291	95.742
2.25	2.125	1.831	3.238	98.980
2.50	2.375	0.409	0.723	99.703
2.75	2.625	0.105	0.186	99.889
3.00	2.875	0.039	0.069	99.958
3.25	3.125	0.011	0.019	99.977
3.50	3.375	0.006	0.011	99.988
3.75	3.625	0.003	0.005	99.993
4.00	3.875	0.001	0.002	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	1.5104	phi	(0.351 mm)
Standard Dev:	0.3110	phi-units	(0.8061 mm)
Skewness:	0.0679	dimensionless	
Kurtosis:	4.7038	dimensionless	
5th Moment:	6.8261	dimensionless	
6th Moment:	91.4327	dimensionless	
RARD *	0.2059	dimensionless	
Median	1.3863	phi	(0.3825 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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