

**Onshore Grab Sample**

**Sample:** ES-28-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/30/11  
**Splits?** N/A

**County:** Escambia  
**Latitude:** 30° 20' 19.9" N  
**Longitude:** 87° 5' 52.8" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	56.106 grams
Total Fines in Sample	0.040 grams
Total Percent Fines	0.07 %

**Dry Sieving Summary**

Total Sample Weight	56.094 grams
Total Digested Weight	48.219 grams
Total Carbonate Weight	7.875 grams
Total Silica %	85.96 %
Total Carbonate %	14.04 %
Carbonate/Silica Ratio	0.163

**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-28-BB

Total Sample Mass: 56.094 grams

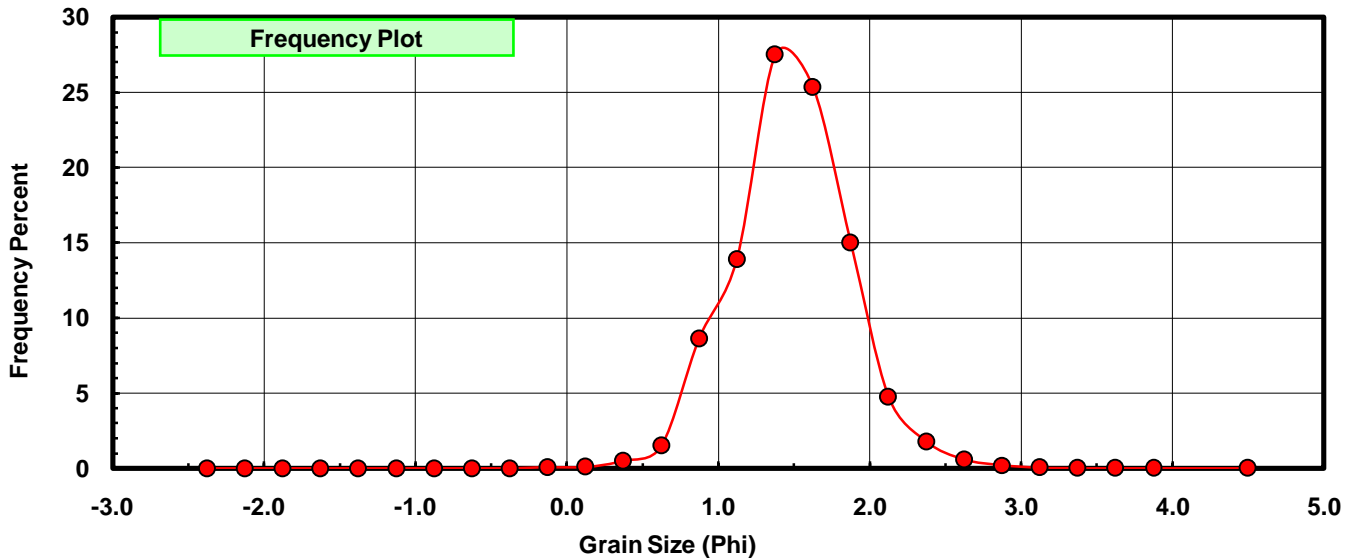
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.038	0.068	0.068
0.25	0.125	0.055	0.098	0.166
0.50	0.375	0.287	0.512	0.677
0.75	0.625	0.843	1.503	2.180
1.00	0.875	4.839	8.627	10.807
1.25	1.125	7.795	13.896	24.703
1.50	1.375	15.426	27.500	52.203
1.75	1.625	14.224	25.357	77.561
2.00	1.875	8.420	15.011	92.571
2.25	2.125	2.669	4.758	97.329
2.50	2.375	1.002	1.786	99.116
2.75	2.625	0.326	0.581	99.697
3.00	2.875	0.120	0.214	99.911
3.25	3.125	0.025	0.045	99.955
3.50	3.375	0.012	0.021	99.977
3.75	3.625	0.006	0.011	99.988
4.00	3.875	0.004	0.007	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	1.4828	phi	(0.3578 mm)
Standard Dev:	0.3920	phi-units	(0.7621 mm)
Skewness:	0.1463	dimensionless	
Kurtosis:	4.0459	dimensionless	
5th Moment:	4.2056	dimensionless	
6th Moment:	45.4675	dimensionless	
RARD *	0.2643	dimensionless	
Median	1.3550	phi	(0.3909 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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