

**Onshore Grab Sample**

**Sample:** ES-19-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/28/11  
**Splits?** N/A

**County:** Escambia  
**Latitude:** 30° 19' 8.5" N  
**Longitude:** 87° 14' 8.5" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	44.32 grams
Total Fines in Sample	0.009 grams
Total Percent Fines	0.02 %

**Dry Sieving Summary**

Total Sample Weight	44.296 grams
Total Digested Weight	45.034 grams
Total Carbonate Weight	-0.738 grams
Total Silica %	101.67 %
Total Carbonate %	-1.67 %
Carbonate/Silica Ratio	-0.016

**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-19-BB

Total Sample Mass: 44.296 grams

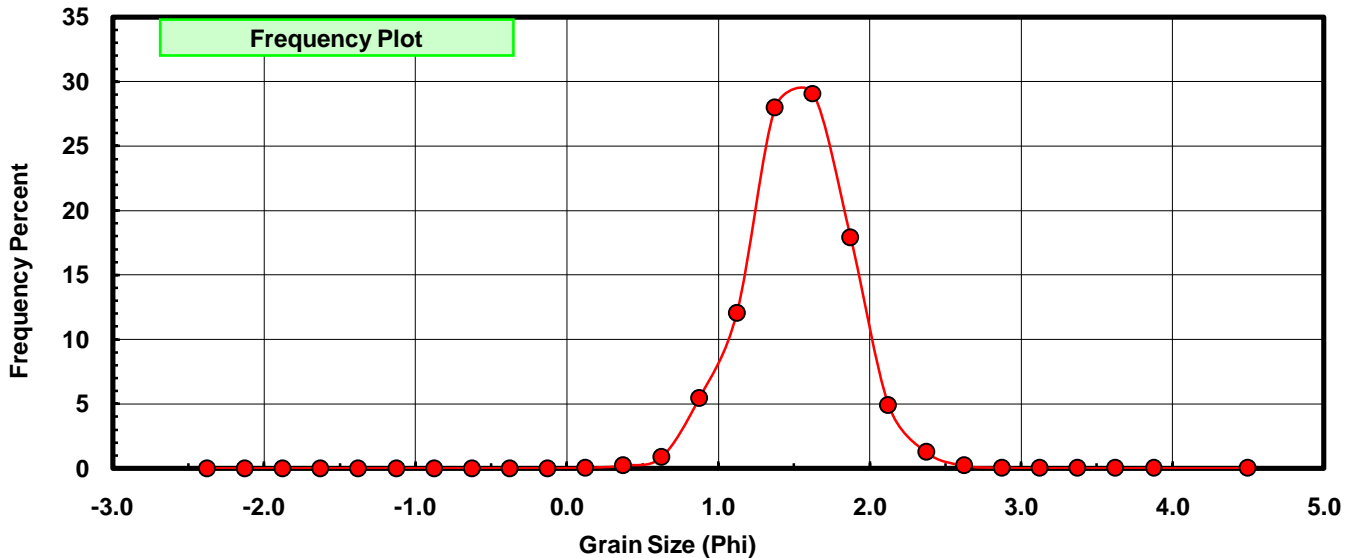
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.014	0.032	0.032
0.50	0.375	0.092	0.208	0.239
0.75	0.625	0.379	0.856	1.095
1.00	0.875	2.407	5.434	6.529
1.25	1.125	5.339	12.053	18.582
1.50	1.375	12.393	27.978	46.560
1.75	1.625	12.886	29.091	75.650
2.00	1.875	7.925	17.891	93.541
2.25	2.125	2.175	4.910	98.451
2.50	2.375	0.553	1.248	99.700
2.75	2.625	0.090	0.203	99.903
3.00	2.875	0.022	0.050	99.953
3.25	3.125	0.007	0.016	99.968
3.50	3.375	0.004	0.009	99.977
3.75	3.625	0.003	0.007	99.984
4.00	3.875	0.003	0.007	99.991
5.00	4.50	0.004	0.009	100.000

Statistical Results			
Mean:	1.5246	phi	(0.3476 mm)
Standard Dev:	0.3444	phi-units	(0.7877 mm)
Skewness:	0.0386	dimensionless	
Kurtosis:	4.0859	dimensionless	
5th Moment:	6.2722	dimensionless	
6th Moment:	71.4277	dimensionless	
RARD *	0.2259	dimensionless	
Median	1.4046	phi	(0.3777 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)



# ES-19-BB

