

**Onshore Grab Sample**

**Sample:** WL-15-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 2/16/11  
**Splits?** N/A

**County:** Walton  
**Latitude:** 30° 19' 35.8" N  
**Longitude:** 86° 9' 46" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	62.875 grams
Total Fines in Sample	0.003 grams
Total Percent Fines	0.00 %

**Dry Sieving Summary**

Total Sample Weight	62.794 grams
Total Digested Weight	62.761 grams
Total Carbonate Weight	0.033 grams
Total Silica %	99.95 %
Total Carbonate %	0.05 %
Carbonate/Silica Ratio	0.001

**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: WL-15-BB

Total Sample Mass: 62.794 grams

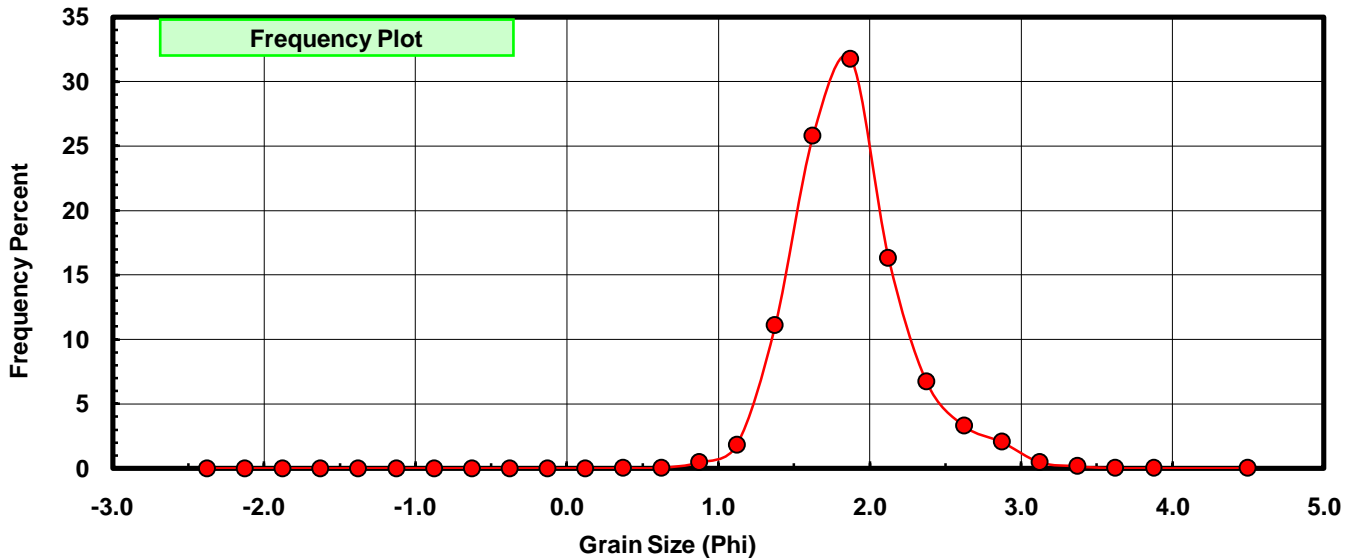
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.000	0.000	0.000
0.50	0.375	0.015	0.024	0.024
0.75	0.625	0.029	0.046	0.070
1.00	0.875	0.291	0.463	0.533
1.25	1.125	1.154	1.838	2.371
1.50	1.375	6.955	11.076	13.447
1.75	1.625	16.185	25.775	39.222
2.00	1.875	19.935	31.747	70.969
2.25	2.125	10.244	16.314	87.282
2.50	2.375	4.229	6.735	94.017
2.75	2.625	2.072	3.300	97.317
3.00	2.875	1.282	2.042	99.358
3.25	3.125	0.284	0.452	99.810
3.50	3.375	0.097	0.154	99.965
3.75	3.625	0.016	0.025	99.990
4.00	3.875	0.003	0.005	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	1.8641	phi	(0.2747 mm)
Standard Dev:	0.3742	phi-units	(0.7716 mm)
Skewness:	0.6694	dimensionless	
Kurtosis:	4.2575	dimensionless	
5th Moment:	7.7907	dimensionless	
6th Moment:	39.2433	dimensionless	
RARD *	0.2007	dimensionless	
Median	1.7099	phi	(0.3057 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)



# WL-15-BB

