

**Onshore Grab Sample**

**Sample:** WL-03-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 2/16/11  
**Splits?** N/A

**County:** Walton  
**Latitude:** 30° 22' 23.1" N  
**Longitude:** 86° 21' 7.7" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	46.153 grams
Total Fines in Sample	0.008 grams
Total Percent Fines	0.02 %

**Dry Sieving Summary**

Total Sample Weight	46.124 grams
Total Digested Weight	46.070 grams
Total Carbonate Weight	0.054 grams
Total Silica %	99.88 %
Total Carbonate %	0.12 %
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-03-BB

Total Sample Mass: 46.124 grams

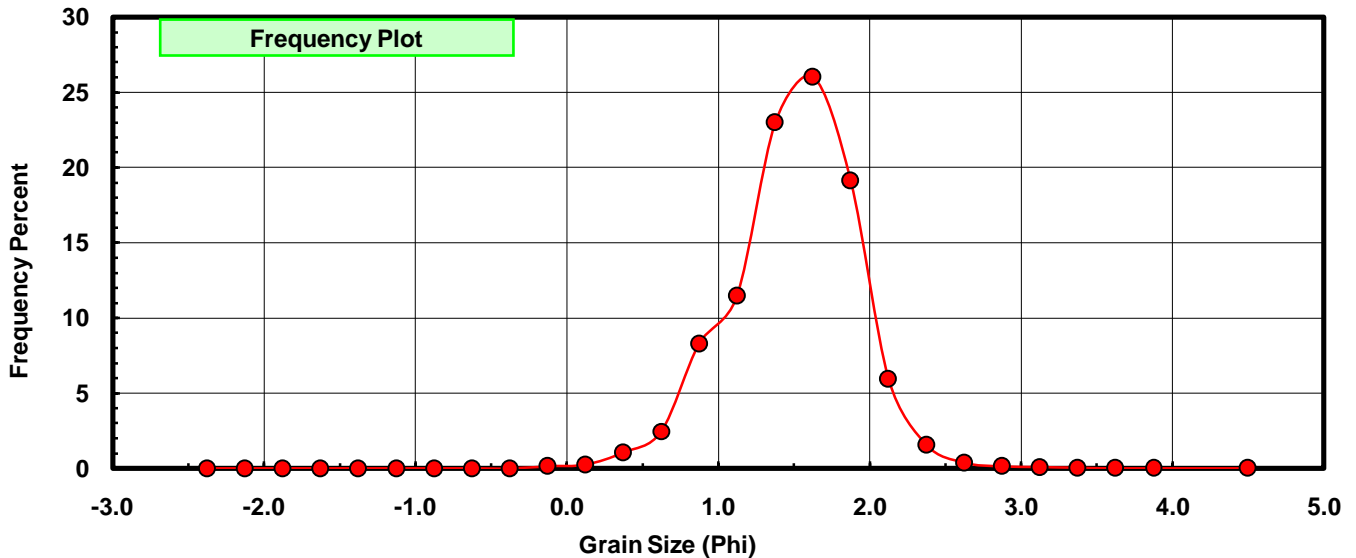
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.069	0.150	0.150
0.25	0.125	0.115	0.249	0.399
0.50	0.375	0.486	1.054	1.453
0.75	0.625	1.139	2.469	3.922
1.00	0.875	3.821	8.284	12.206
1.25	1.125	5.288	11.465	23.671
1.50	1.375	10.608	22.999	46.670
1.75	1.625	12.009	26.036	72.706
2.00	1.875	8.814	19.109	91.816
2.25	2.125	2.740	5.941	97.756
2.50	2.375	0.725	1.572	99.328
2.75	2.625	0.177	0.384	99.712
3.00	2.875	0.067	0.145	99.857
3.25	3.125	0.034	0.074	99.931
3.50	3.375	0.013	0.028	99.959
3.75	3.625	0.007	0.015	99.974
4.00	3.875	0.007	0.015	99.989
5.00	4.50	0.005	0.011	100.000

Statistical Results			
Mean:	1.5013	phi	(0.3532 mm)
Standard Dev:	0.4196	phi-units	(0.7476 mm)
Skewness:	-0.2151	dimensionless	
Kurtosis:	4.1076	dimensionless	
5th Moment:	1.4193	dimensionless	
6th Moment:	48.1064	dimensionless	
RARD *	0.2795	dimensionless	
Median	1.4070	phi	(0.3771 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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