

**Onshore Grab Sample**

**Sample:** WL-25-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 2/15/11  
**Splits?** N/A

**County:** Walton  
**Latitude:** 30° 16' 33.7" N  
**Longitude:** 86° 0' 45.2" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	78.762 grams
Total Fines in Sample	0.009 grams
Total Percent Fines	0.01 %

**Dry Sieving Summary**

Total Sample Weight	78.526 grams
Total Digested Weight	78.461 grams
Total Carbonate Weight	0.065 grams
Total Silica %	99.92 %
Total Carbonate %	0.08 %
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-25-BB

Total Sample Mass: 78.526 grams

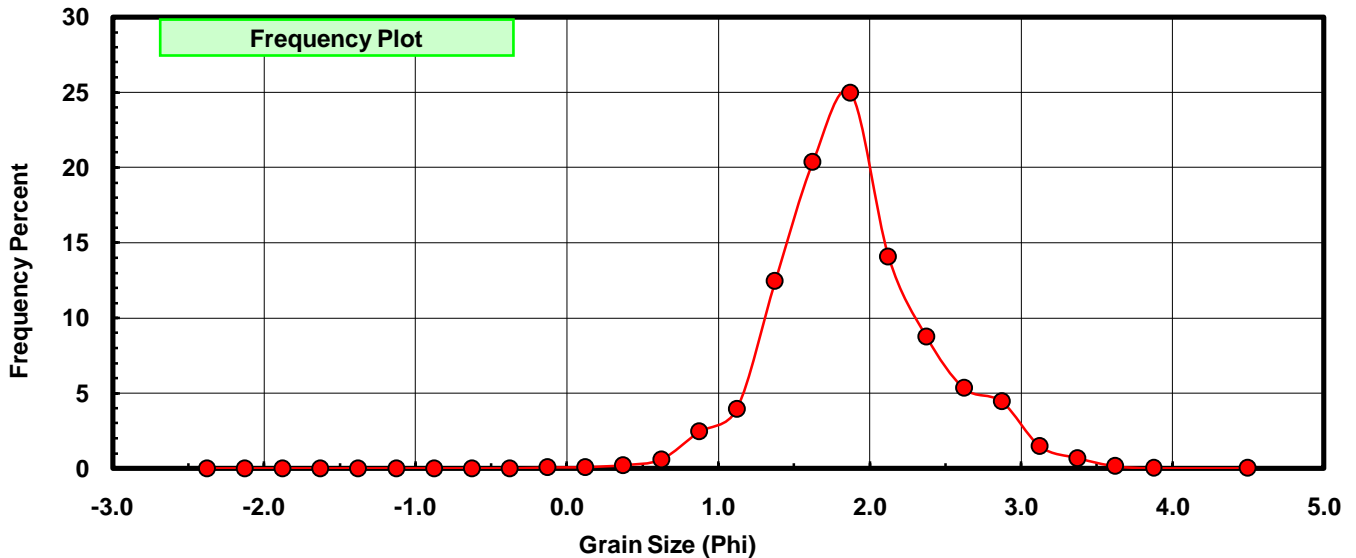
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.044	0.056	0.056
0.25	0.125	0.059	0.075	0.131
0.50	0.375	0.167	0.213	0.344
0.75	0.625	0.467	0.595	0.939
1.00	0.875	1.922	2.448	3.386
1.25	1.125	3.105	3.954	7.340
1.50	1.375	9.766	12.437	19.777
1.75	1.625	15.996	20.370	40.147
2.00	1.875	19.581	24.936	65.083
2.25	2.125	11.055	14.078	79.161
2.50	2.375	6.881	8.763	87.924
2.75	2.625	4.185	5.329	93.253
3.00	2.875	3.493	4.448	97.701
3.25	3.125	1.148	1.462	99.163
3.50	3.375	0.523	0.666	99.829
3.75	3.625	0.117	0.149	99.978
4.00	3.875	0.012	0.015	99.994
5.00	4.50	0.005	0.006	100.000

Statistical Results			
Mean:	1.8895	phi	(0.2699 mm)
Standard Dev:	0.5108	phi-units	(0.7019 mm)
Skewness:	0.3277	dimensionless	
Kurtosis:	3.5756	dimensionless	
5th Moment:	2.1110	dimensionless	
6th Moment:	22.3177	dimensionless	
RARD *	0.2703	dimensionless	
Median	1.7238	phi	(0.3028 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-25-BB

