

**Onshore Grab Sample**

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

**County:** Walton  
**Latitude:** 30° 20' 41.3" N  
**Longitude:** 86° 13' 29" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	60.304 grams
Total Fines in Sample	0.004 grams
Total Percent Fines	0.01 %

**Dry Sieving Summary**

Total Sample Weight	60.022 grams
Total Digested Weight	59.962 grams
Total Carbonate Weight	0.060 grams
Total Silica %	99.90 %
Total Carbonate %	0.10 %
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-11-BB

Total Sample Mass: 60.022 grams

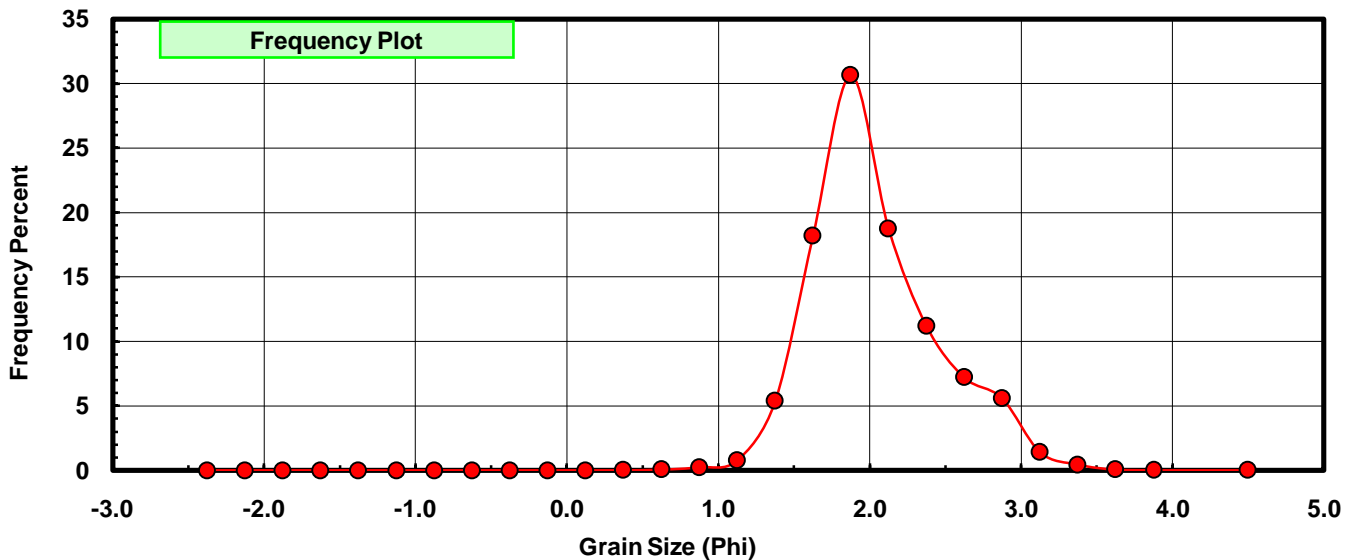
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.012	0.020	0.020
0.75	0.625	0.044	0.073	0.093
1.00	0.875	0.143	0.238	0.332
1.25	1.125	0.450	0.750	1.081
1.50	1.375	3.221	5.366	6.448
1.75	1.625	10.920	18.193	24.641
2.00	1.875	18.391	30.640	55.281
2.25	2.125	11.256	18.753	74.035
2.50	2.375	6.728	11.209	85.244
2.75	2.625	4.333	7.219	92.463
3.00	2.875	3.363	5.603	98.066
3.25	3.125	0.849	1.414	99.480
3.50	3.375	0.264	0.440	99.920
3.75	3.625	0.039	0.065	99.985
4.00	3.875	0.006	0.010	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	2.0323	phi	(0.2445 mm)
Standard Dev:	0.4271	phi-units	(0.7438 mm)
Skewness:	0.5921	dimensionless	
Kurtosis:	3.3421	dimensionless	
5th Moment:	4.2556	dimensionless	
6th Moment:	20.7741	dimensionless	
RARD *	0.2101	dimensionless	
Median	1.8319	phi	(0.2809 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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