

**Onshore Grab Sample**

**Sample:** WL-12-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 2/16/11  
**Splits?** N/A

**County:** Walton  
**Latitude:** 30° 20' 23.4" N  
**Longitude:** 86° 12' 32.7" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	50.371 grams
Total Fines in Sample	0.016 grams
Total Percent Fines	0.03 %

**Dry Sieving Summary**

Total Sample Weight	50.297 grams
Total Digested Weight	50.273 grams
Total Carbonate Weight	0.024 grams
Total Silica %	99.95 %
Total Carbonate %	0.05 %
Carbonate/Silica Ratio	0.000

**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-12-BB

Total Sample Mass: 50.297 grams

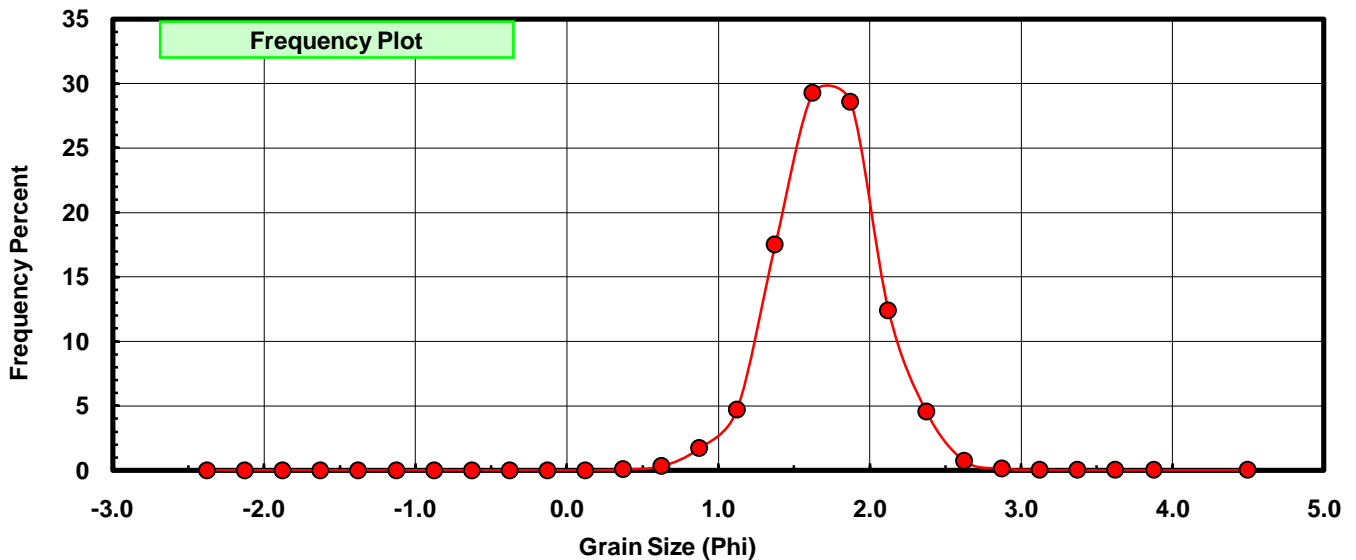
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.037	0.074	0.074
0.75	0.625	0.163	0.324	0.398
1.00	0.875	0.860	1.710	2.107
1.25	1.125	2.350	4.672	6.780
1.50	1.375	8.799	17.494	24.274
1.75	1.625	14.727	29.280	53.554
2.00	1.875	14.367	28.564	82.118
2.25	2.125	6.235	12.396	94.515
2.50	2.375	2.289	4.551	99.066
2.75	2.625	0.370	0.736	99.801
3.00	2.875	0.066	0.131	99.932
3.25	3.125	0.016	0.032	99.964
3.50	3.375	0.007	0.014	99.978
3.75	3.625	0.003	0.006	99.984
4.00	3.875	0.004	0.008	99.992
5.00	4.50	0.004	0.008	100.000

Statistical Results			
Mean:	1.7187	phi	(0.3038 mm)
Standard Dev:	0.3412	phi-units	(0.7894 mm)
Skewness:	0.0206	dimensionless	
Kurtosis:	3.9746	dimensionless	
5th Moment:	3.5701	dimensionless	
6th Moment:	53.4940	dimensionless	
RARD *	0.1986	dimensionless	
Median	1.5947	phi	(0.3311 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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