

**Onshore Grab Sample**

**Sample:** WK-09  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 1/7/11  
**Splits?** N/A

**County:** Wakulla  
**Latitude:** 30° 3' 27.8" N  
**Longitude:** 84° 17' 26.3" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	52.643 grams
Total Fines in Sample	0.600 grams
Total Percent Fines	1.13 %

**Dry Sieving Summary**

Total Sample Weight	51.965 grams
Total Digested Weight	49.672 grams
Total Carbonate Weight	2.293 grams
Total Silica %	95.59 %
Total Carbonate %	4.41 %
Carbonate/Silica Ratio	0.046

**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: WK-09

Total Sample Mass: 51.965 grams

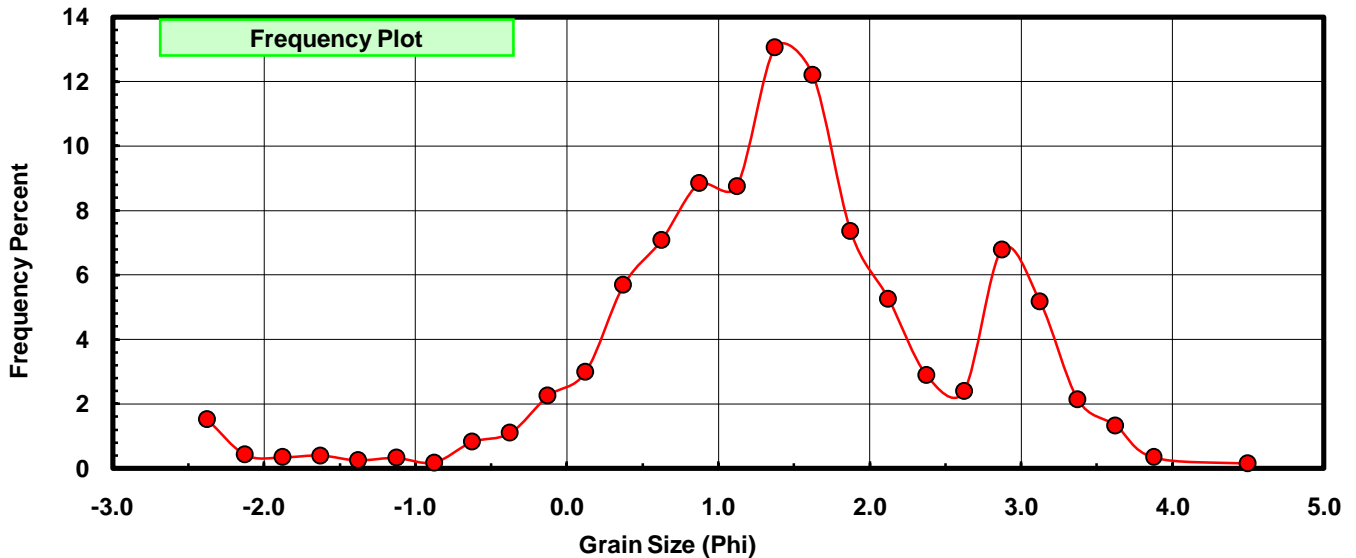
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.791	1.522	1.522
-2.00	-2.125	0.219	0.421	1.944
-1.75	-1.875	0.178	0.343	2.286
-1.50	-1.625	0.204	0.393	2.679
-1.25	-1.375	0.127	0.244	2.923
-1.00	-1.125	0.166	0.319	3.243
-0.75	-0.875	0.092	0.177	3.420
-0.50	-0.625	0.426	0.820	4.239
-0.25	-0.375	0.573	1.103	5.342
0.00	-0.125	1.169	2.250	7.592
0.25	0.125	1.555	2.992	10.584
0.50	0.375	2.956	5.688	16.272
0.75	0.625	3.676	7.074	23.346
1.00	0.875	4.593	8.839	32.185
1.25	1.125	4.550	8.756	40.941
1.50	1.375	6.785	13.057	53.998
1.75	1.625	6.336	12.193	66.191
2.00	1.875	3.822	7.355	73.546
2.25	2.125	2.734	5.261	78.807
2.50	2.375	1.505	2.896	81.703
2.75	2.625	1.244	2.394	84.097
3.00	2.875	3.528	6.789	90.886
3.25	3.125	2.686	5.169	96.055
3.50	3.375	1.107	2.130	98.185
3.75	3.625	0.688	1.324	99.509
4.00	3.875	0.178	0.343	99.852
5.00	4.50	0.077	0.148	100.000

Statistical Results			
Mean:	1.4222	phi	(0.3731 mm)
Standard Dev:	1.1476	phi-units	(0.4514 mm)
Skewness:	-0.5625	dimensionless	
Kurtosis:	4.2278	dimensionless	
5th Moment:	-7.8140	dimensionless	
6th Moment:	32.1760	dimensionless	
RARD *	0.8069	dimensionless	
Median	1.2985	phi	(0.4066 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)



# WK-09

