

## **Onshore Grab Sample**

**Sample:** WK-07  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 1/27/11  
**Splits?** N/A

**County:** Wakulla  
**Latitude:** 30° 1' 44.9" N  
**Longitude:** 84° 20' 2.3" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

### **Fine Data Summary**

Total Sample Weight	48.157 grams
Total Fines in Sample	4.386 grams
Total Percent Fines	8.35 %

### **Dry Sieving Summary**

Total Sample Weight	44.127 grams
Total Digested Weight	43.771 grams
Total Carbonate Weight	0.356 grams
Total Silica %	99.19 %
Total Carbonate %	0.81 %
Carbonate/Silica Ratio	0.008

### **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-07

Total Sample Mass: 44.127 grams

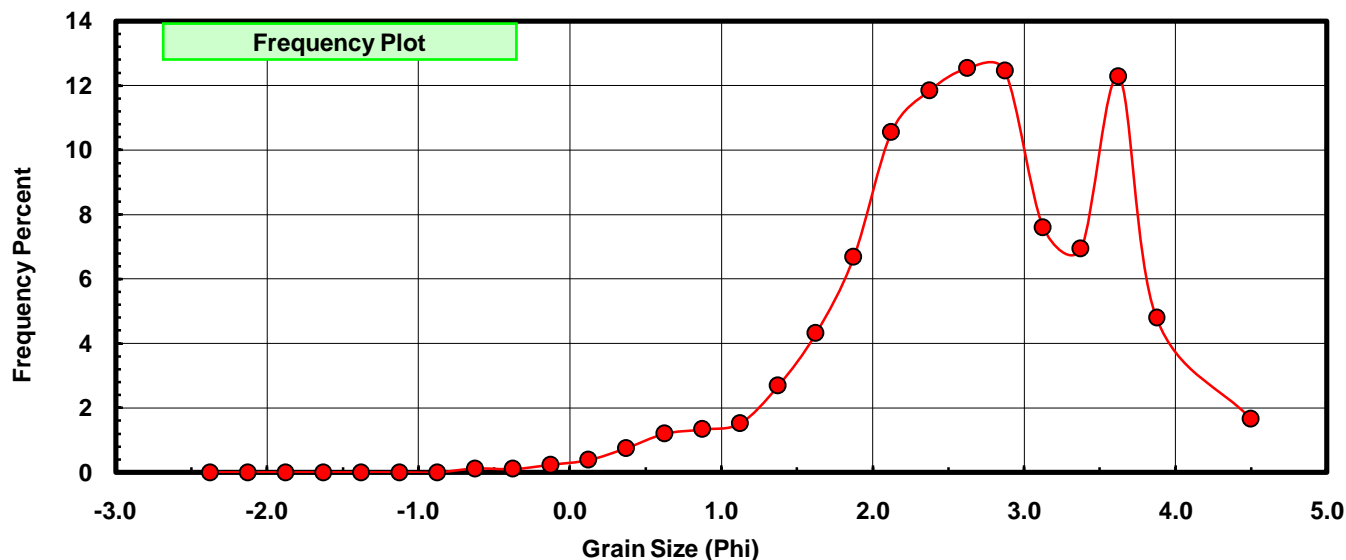
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.052	0.118	0.118
-0.25	-0.375	0.048	0.109	0.227
0.00	-0.125	0.102	0.231	0.458
0.25	0.125	0.169	0.383	0.841
0.50	0.375	0.332	0.752	1.593
0.75	0.625	0.530	1.201	2.794
1.00	0.875	0.589	1.335	4.129
1.25	1.125	0.670	1.518	5.647
1.50	1.375	1.185	2.685	8.333
1.75	1.625	1.904	4.315	12.648
2.00	1.875	2.948	6.681	19.328
2.25	2.125	4.660	10.560	29.889
2.50	2.375	5.226	11.843	41.732
2.75	2.625	5.531	12.534	54.266
3.00	2.875	5.497	12.457	66.723
3.25	3.125	3.355	7.603	74.326
3.50	3.375	3.062	6.939	81.265
3.75	3.625	5.419	12.280	93.546
4.00	3.875	2.116	4.795	98.341
5.00	4.50	0.732	1.659	100.000

Statistical Results			
Mean:	2.6407	phi	(0.1603 mm)
Standard Dev:	0.8481	phi-units	(0.5555 mm)
Skewness:	-0.4827	dimensionless	
Kurtosis:	3.3911	dimensionless	
5th Moment:	-5.1018	dimensionless	
6th Moment:	21.4958	dimensionless	
RARD *	0.3212	dimensionless	
Median	2.5399	phi	(0.172 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-07

