

## **Onshore Grab Sample**

**Sample:** WK-05  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 1/27/11  
**Splits?** N/A

**County:** Wakulla  
**Latitude:** 30° 0' 52.1" N  
**Longitude:** 84° 21' 13.6" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

### **Fine Data Summary**

Total Sample Weight	59.545 grams
Total Fines in Sample	0.928 grams
Total Percent Fines	1.53 %

### **Dry Sieving Summary**

Total Sample Weight	58.473 grams
Total Digested Weight	57.580 grams
Total Carbonate Weight	0.893 grams
Total Silica %	98.47 %
Total Carbonate %	1.53 %
Carbonate/Silica Ratio	0.016

### **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-05

Total Sample Mass: 58.473 grams

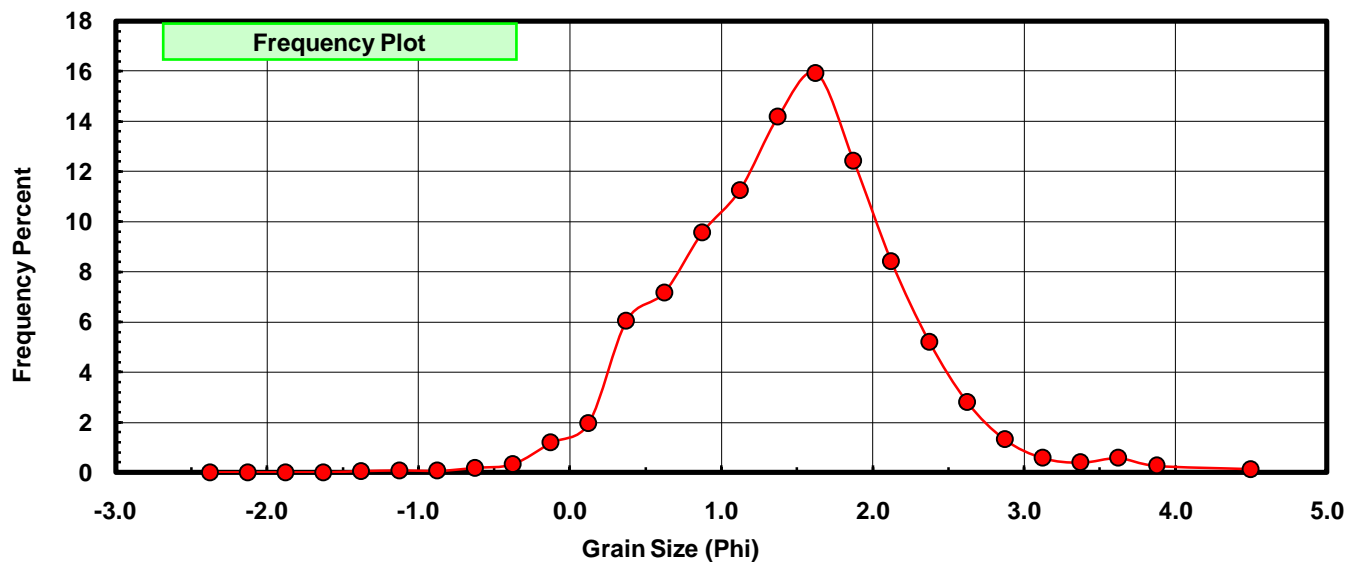
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.024	0.041	0.041
-1.00	-1.125	0.042	0.072	0.113
-0.75	-0.875	0.037	0.063	0.176
-0.50	-0.625	0.104	0.178	0.354
-0.25	-0.375	0.189	0.323	0.677
0.00	-0.125	0.692	1.183	1.861
0.25	0.125	1.144	1.956	3.817
0.50	0.375	3.533	6.042	9.859
0.75	0.625	4.194	7.173	17.032
1.00	0.875	5.585	9.551	26.583
1.25	1.125	6.582	11.256	37.840
1.50	1.375	8.295	14.186	52.026
1.75	1.625	9.312	15.925	67.951
2.00	1.875	7.257	12.411	80.362
2.25	2.125	4.917	8.409	88.771
2.50	2.375	3.044	5.206	93.977
2.75	2.625	1.642	2.808	96.785
3.00	2.875	0.766	1.310	98.095
3.25	3.125	0.332	0.568	98.663
3.50	3.375	0.226	0.387	99.049
3.75	3.625	0.334	0.571	99.620
4.00	3.875	0.153	0.262	99.882
5.00	4.50	0.069	0.118	100.000

Statistical Results			
Mean:	1.4416	phi	(0.3682 mm)
Standard Dev:	0.7243	phi-units	(0.6053 mm)
Skewness:	0.1701	dimensionless	
Kurtosis:	3.6650	dimensionless	
5th Moment:	2.9046	dimensionless	
6th Moment:	27.1141	dimensionless	
RARD *	0.5024	dimensionless	
Median	1.3393	phi	(0.3952 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-05

