

**Onshore Grab Sample**

**Sample:** WK-08  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 1/7/11  
**Splits?** N/A

**County:** Wakulla  
**Latitude:** 30° 3' 27.1" N  
**Longitude:** 84° 17' 49.8" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	63.046 grams
Total Fines in Sample	0.352 grams
Total Percent Fines	0.56 %

**Dry Sieving Summary**

Total Sample Weight	62.779 grams
Total Digested Weight	61.015 grams
Total Carbonate Weight	1.764 grams
Total Silica %	97.19 %
Total Carbonate %	2.81 %
Carbonate/Silica Ratio	0.029

**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-08

Total Sample Mass: 62.779 grams

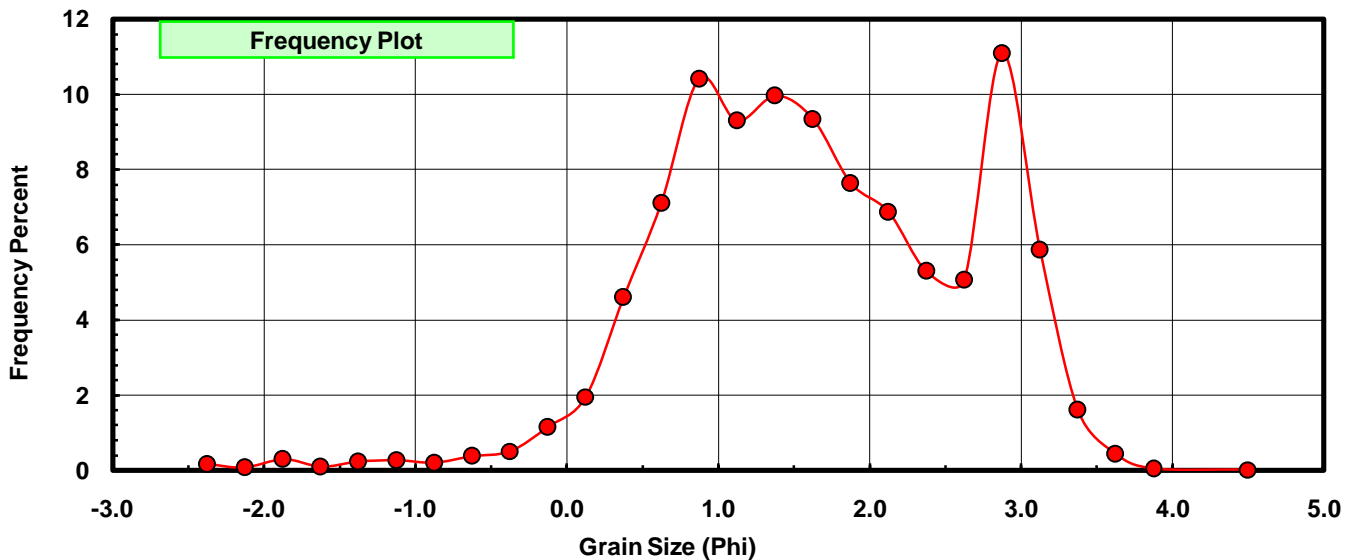
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.107	0.170	0.170
-2.00	-2.125	0.049	0.078	0.248
-1.75	-1.875	0.185	0.295	0.543
-1.50	-1.625	0.064	0.102	0.645
-1.25	-1.375	0.145	0.231	0.876
-1.00	-1.125	0.171	0.272	1.148
-0.75	-0.875	0.127	0.202	1.351
-0.50	-0.625	0.240	0.382	1.733
-0.25	-0.375	0.321	0.511	2.244
0.00	-0.125	0.723	1.152	3.396
0.25	0.125	1.229	1.958	5.354
0.50	0.375	2.889	4.602	9.956
0.75	0.625	4.464	7.111	17.066
1.00	0.875	6.539	10.416	27.482
1.25	1.125	5.835	9.295	36.777
1.50	1.375	6.253	9.960	46.737
1.75	1.625	5.861	9.336	56.073
2.00	1.875	4.795	7.638	63.711
2.25	2.125	4.315	6.873	70.584
2.50	2.375	3.327	5.300	75.884
2.75	2.625	3.176	5.059	80.943
3.00	2.875	6.965	11.094	92.037
3.25	3.125	3.677	5.857	97.894
3.50	3.375	1.006	1.602	99.497
3.75	3.625	0.275	0.438	99.935
4.00	3.875	0.030	0.048	99.982
5.00	4.50	0.011	0.018	100.000

Statistical Results			
Mean:	1.6444	phi	(0.3199 mm)
Standard Dev:	0.9912	phi-units	(0.503 mm)
Skewness:	-0.3351	dimensionless	
Kurtosis:	3.2469	dimensionless	
5th Moment:	-5.7065	dimensionless	
6th Moment:	25.1007	dimensionless	
RARD *	0.6028	dimensionless	
Median	1.4624	phi	(0.3629 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-08

