

**Onshore Grab Sample**

**Sample:** OA-02-SS  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 9/14/06  
**Splits?** Yes

**County:** Okaloosa  
**Latitude:** 30° 23' 22.97"  
**Longitude:** 86° 46' 28.90"  
**Datum:** NAD 83  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 69.254 grams  
Total Fines in Sample 0.727 grams  
Total Percent Fines 1.04 %

**Dry Sieving Summary**

Total Sample Weight 68.473 grams  
Total Digested Weight 68.381 grams  
Total Carbonate Weight 0.092 grams  
Total Silica % 99.87 %  
Total Carbonate % 0.13 %  
Carbonate/Silica Ratio 0.001

**General Comments:**

Original Weight (with Beaker): 313.437; Not enough Carbonate Material to run a Post-Digestion Analysis

**Description**

Worked By: M. Lachance

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: OA-02-SS

Total Sample Mass: 68.473 grams

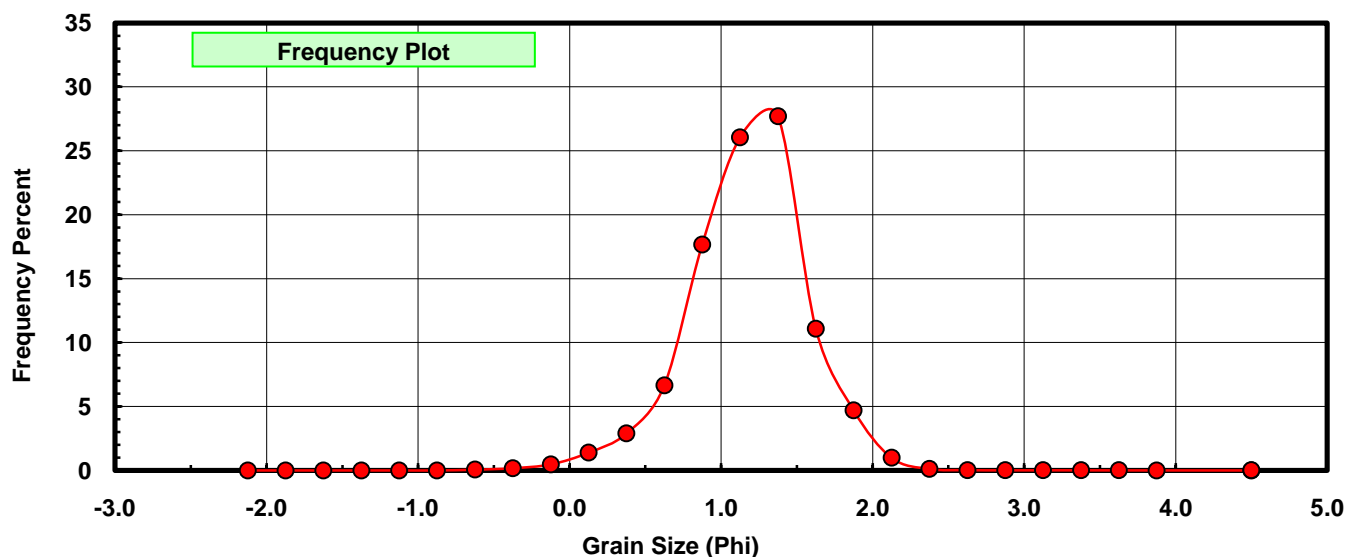
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.039	0.057	0.057
-0.25	-0.375	0.120	0.175	0.232
0.00	-0.125	0.323	0.472	0.704
0.25	0.125	0.951	1.389	2.093
0.50	0.375	1.976	2.886	4.979
0.75	0.625	4.551	6.646	11.625
1.00	0.875	12.093	17.661	29.286
1.25	1.125	17.840	26.054	55.340
1.50	1.375	18.969	27.703	83.043
1.75	1.625	7.593	11.089	94.132
2.00	1.875	3.219	4.701	98.833
2.25	2.125	0.678	0.990	99.823
2.50	2.375	0.077	0.112	99.936
2.75	2.625	0.015	0.022	99.958
3.00	2.875	0.006	0.009	99.966
3.25	3.125	0.007	0.010	99.977
3.50	3.375	0.006	0.009	99.985
3.75	3.625	0.003	0.004	99.990
4.00	3.875	0.002	0.003	99.993
5.00	4.500	0.000	0.000	99.993
5.00	4.50	0.005	0.007	100.000

Statistical Results			
Mean:	1.1751	phi	(0.4428 mm)
Standard Dev:	0.3958	phi-units	(0.76 mm)
Skewness:	-0.3505	dimensionless	
Kurtosis:	4.5369	dimensionless	
5th Moment:	-0.7014	dimensionless	
6th Moment:	66.1831	dimensionless	
RARD *	0.3368	dimensionless	
Median	1.0738	phi	(0.4751 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)



# OA-02-SS

