

**Onshore Grab Sample**

**Sample:** OA-08-SS  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 9/14/06  
**Splits?** Yes

**County:** Okaloosa  
**Latitude:** 30° 23' 44.13"  
**Longitude:** 86° 41' 33.21"  
**Datum:** NAD 83  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 64.995 grams  
Total Fines in Sample 0.197 grams  
Total Percent Fines 0.30 %

**Dry Sieving Summary**

Total Sample Weight 64.717 grams  
Total Digested Weight 64.666 grams  
Total Carbonate Weight 0.051 grams  
Total Silica % 99.92 %  
Total Carbonate % 0.08 %  
Carbonate/Silica Ratio 0.001

**General Comments:**

Original Weight (with Beaker): 305.724; 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-08-SS

Total Sample Mass: 64.717 grams

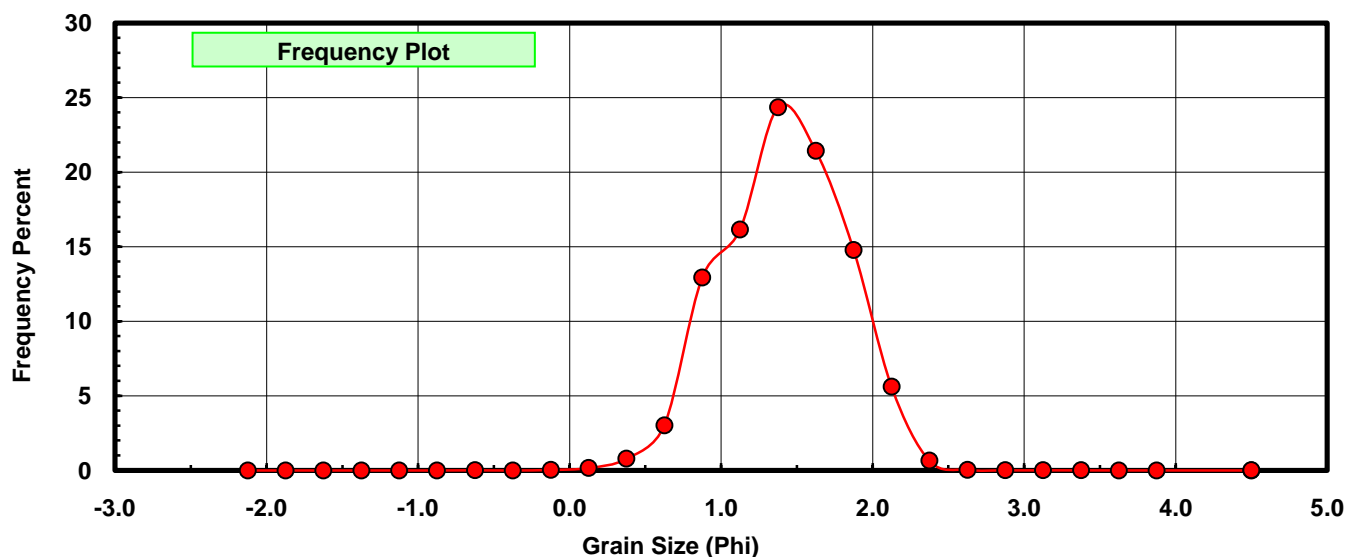
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.006	0.009	0.009
-0.25	-0.375	0.000	0.000	0.009
0.00	-0.125	0.021	0.032	0.042
0.25	0.125	0.104	0.161	0.202
0.50	0.375	0.508	0.785	0.987
0.75	0.625	1.957	3.024	4.011
1.00	0.875	8.368	12.930	16.941
1.25	1.125	10.451	16.149	33.090
1.50	1.375	15.761	24.354	57.444
1.75	1.625	13.864	21.423	78.866
2.00	1.875	9.566	14.781	93.648
2.25	2.125	3.637	5.620	99.268
2.50	2.375	0.423	0.654	99.921
2.75	2.625	0.026	0.040	99.961
3.00	2.875	0.005	0.008	99.969
3.25	3.125	0.006	0.009	99.978
3.50	3.375	0.004	0.006	99.985
3.75	3.625	0.002	0.003	99.988
4.00	3.875	0.002	0.003	99.991
5.00	4.500	0.000	0.000	99.991
5.00	4.50	0.006	0.009	100.000

Statistical Results			
Mean:	1.4143	phi	(0.3752 mm)
Standard Dev:	0.4037	phi-units	(0.7559 mm)
Skewness:	-0.0842	dimensionless	
Kurtosis:	3.0992	dimensionless	
5th Moment:	1.6082	dimensionless	
6th Moment:	35.4536	dimensionless	
RARD *	0.2854	dimensionless	
Median	1.2986	phi	(0.4065 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)



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