

**Onshore Grab Sample**

**Sample:** OA-20-SS  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 9/14/06  
**Splits?** Yes

**County:** Okaloosa  
**Latitude:** 30° 23' 15.72"  
**Longitude:** 86° 31' 11.6"  
**Datum:** NAD 83  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 72.697 grams  
Total Fines in Sample 0.718 grams  
Total Percent Fines 0.98 %

**Dry Sieving Summary**

Total Sample Weight 71.880 grams  
Total Digested Weight 71.820 grams  
Total Carbonate Weight 0.060 grams  
Total Silica % 99.92 %  
Total Carbonate % 0.08 %  
Carbonate/Silica Ratio 0.001

**General Comments:**

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-20-SS

Total Sample Mass: 71.880 grams

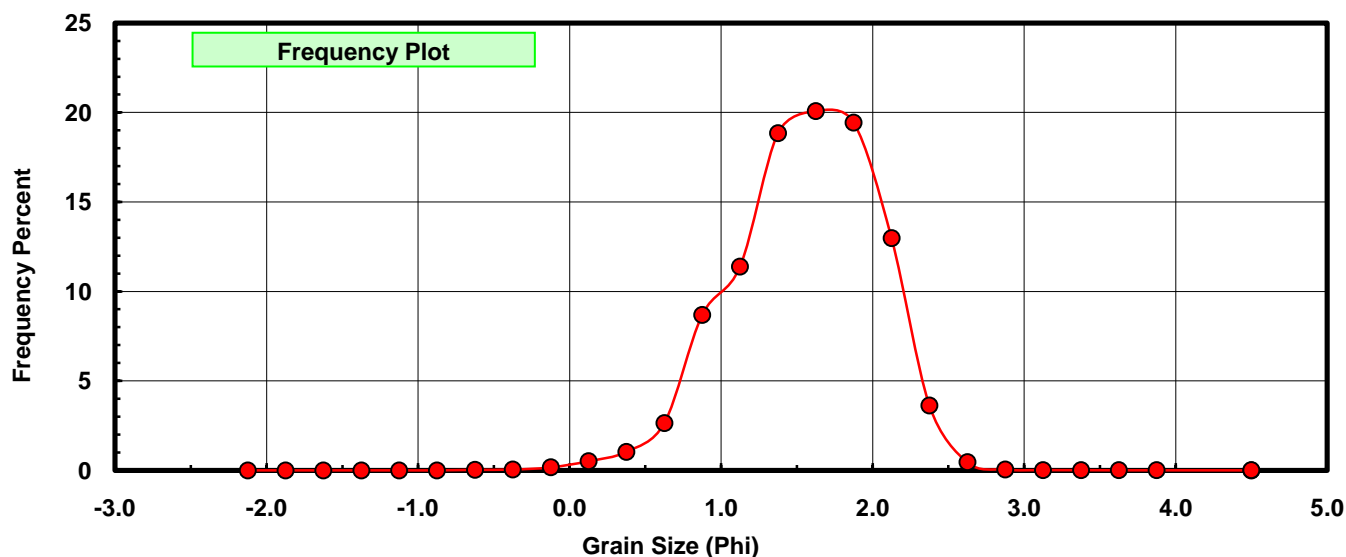
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.020	0.028	0.028
-0.25	-0.375	0.032	0.045	0.072
0.00	-0.125	0.119	0.166	0.238
0.25	0.125	0.367	0.511	0.748
0.50	0.375	0.747	1.039	1.788
0.75	0.625	1.897	2.639	4.427
1.00	0.875	6.247	8.691	13.118
1.25	1.125	8.188	11.391	24.509
1.50	1.375	13.542	18.840	43.349
1.75	1.625	14.434	20.081	63.429
2.00	1.875	13.972	19.438	82.867
2.25	2.125	9.331	12.981	95.849
2.50	2.375	2.608	3.628	99.477
2.75	2.625	0.324	0.451	99.928
3.00	2.875	0.028	0.039	99.967
3.25	3.125	0.010	0.014	99.981
3.50	3.375	0.007	0.010	99.990
3.75	3.625	0.002	0.003	99.993
4.00	3.875	0.002	0.003	99.996
5.00	4.500	0.000	0.000	99.996
5.00	4.50	0.003	0.004	100.000

Statistical Results			
Mean:	1.5506	phi	(0.3414 mm)
Standard Dev:	0.4695	phi-units	(0.7222 mm)
Skewness:	-0.4128	dimensionless	
Kurtosis:	3.2241	dimensionless	
5th Moment:	-3.8323	dimensionless	
6th Moment:	23.6653	dimensionless	
RARD *	0.3027	dimensionless	
Median	1.4578	phi	(0.364 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-20-SS

