

**Onshore Grab Sample**

**Sample:** OA-22-B  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 9/12/06  
**Splits?** Yes

**County:** Okaloosa  
**Latitude:** 30° 23' 2.52"  
**Longitude:** 86° 28' 46.86"  
**Datum:** NAD 83  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 73.781 grams  
Total Fines in Sample 0.051 grams  
Total Percent Fines 0.07 %

**Dry Sieving Summary**

Total Sample Weight 73.668 grams  
Total Digested Weight 73.600 grams  
Total Carbonate Weight 0.068 grams  
Total Silica % 99.91 %  
Total Carbonate % 0.09 %  
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-22-B

Total Sample Mass: 73.668 grams

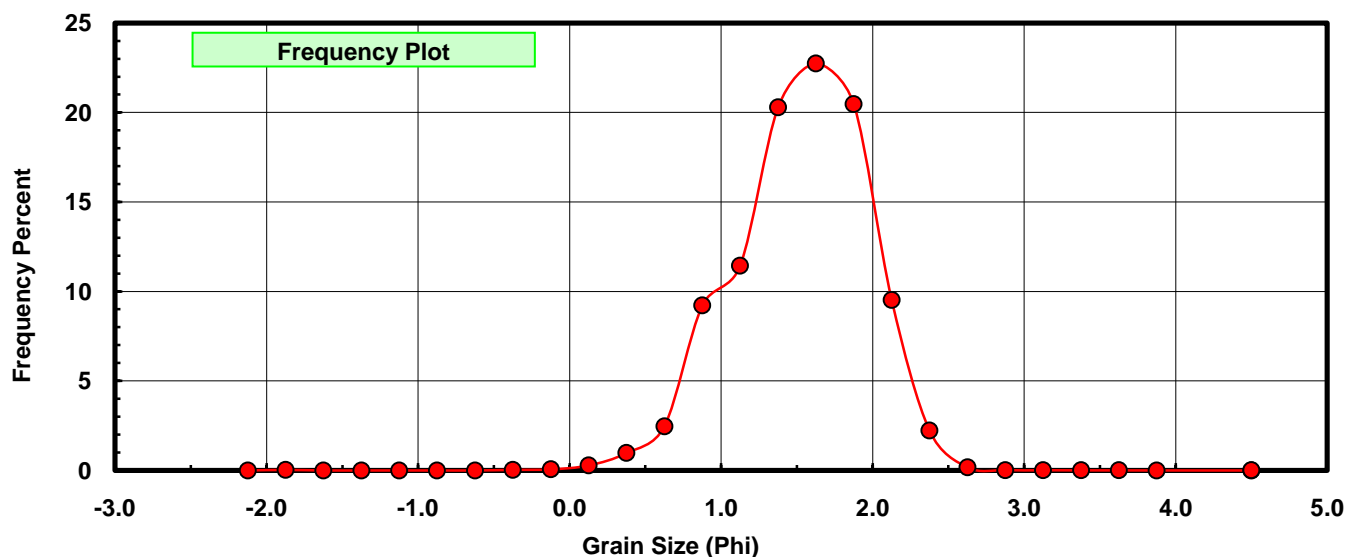
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.022	0.030	0.030
-1.50	-1.625	0.000	0.000	0.030
-1.25	-1.375	0.000	0.000	0.030
-1.00	-1.125	0.000	0.000	0.030
-0.75	-0.875	0.000	0.000	0.030
-0.50	-0.625	0.000	0.000	0.030
-0.25	-0.375	0.023	0.031	0.061
0.00	-0.125	0.045	0.061	0.122
0.25	0.125	0.207	0.281	0.403
0.50	0.375	0.718	0.975	1.378
0.75	0.625	1.818	2.468	3.846
1.00	0.875	6.791	9.218	13.064
1.25	1.125	8.434	11.449	24.513
1.50	1.375	14.948	20.291	44.804
1.75	1.625	16.759	22.749	67.553
2.00	1.875	15.080	20.470	88.023
2.25	2.125	7.019	9.528	97.551
2.50	2.375	1.638	2.223	99.775
2.75	2.625	0.127	0.172	99.947
3.00	2.875	0.014	0.019	99.966
3.25	3.125	0.009	0.012	99.978
3.50	3.375	0.004	0.005	99.984
3.75	3.625	0.003	0.004	99.988
4.00	3.875	0.001	0.001	99.989
5.00	4.500	0.000	0.000	99.989
5.00	4.50	0.008	0.011	100.000

Statistical Results			
Mean:	1.5222	phi	(0.3481 mm)
Standard Dev:	0.4369	phi-units	(0.7387 mm)
Skewness:	-0.4698	dimensionless	
Kurtosis:	4.2543	dimensionless	
5th Moment:	-10.0306	dimensionless	
6th Moment:	95.0963	dimensionless	
RARD *	0.2870	dimensionless	
Median	1.4321	phi	(0.3706 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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