

**Onshore Grab Sample**

**Sample:** OA-20-BB  
**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 65.87 grams  
Total Fines in Sample 0.004 grams  
Total Percent Fines 0.01 %

**Dry Sieving Summary**

Total Sample Weight 65.824 grams  
Total Digested Weight 65.787 grams  
Total Carbonate Weight 0.037 grams  
Total Silica % 99.94 %  
Total Carbonate % 0.06 %  
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-BB

Total Sample Mass: 65.824 grams

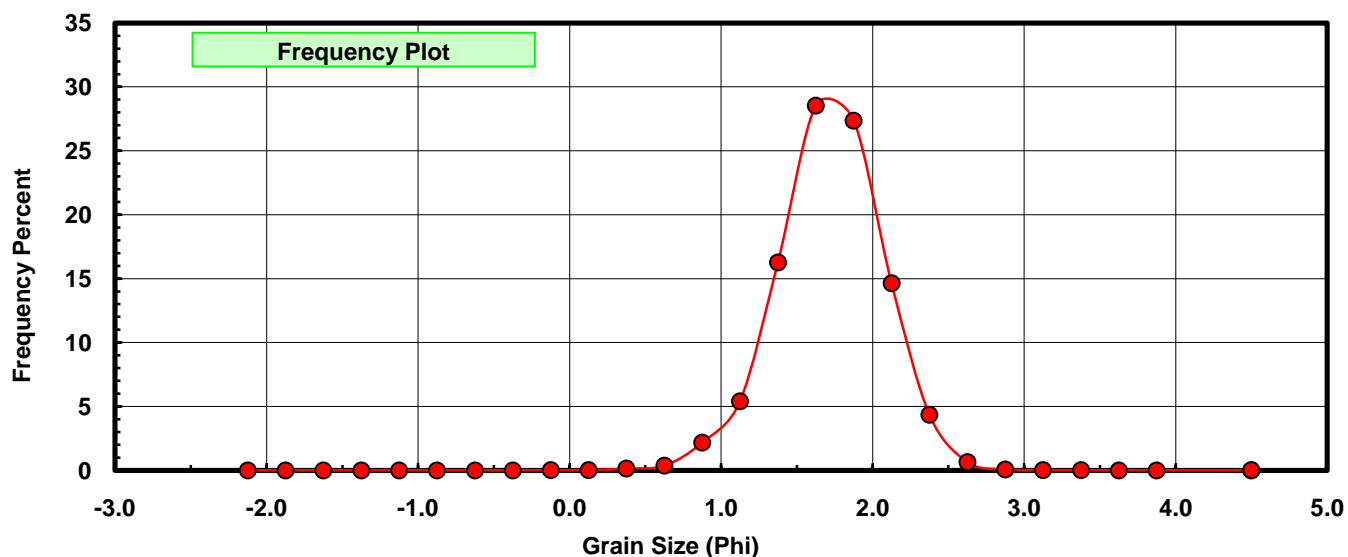
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.006	0.009	0.009
0.25	0.125	0.012	0.018	0.027
0.50	0.375	0.085	0.129	0.156
0.75	0.625	0.234	0.355	0.512
1.00	0.875	1.424	2.163	2.675
1.25	1.125	3.562	5.411	8.087
1.50	1.375	10.714	16.277	24.363
1.75	1.625	18.782	28.534	52.897
2.00	1.875	18.015	27.368	80.266
2.25	2.125	9.632	14.633	94.899
2.50	2.375	2.863	4.349	99.248
2.75	2.625	0.428	0.650	99.898
3.00	2.875	0.047	0.071	99.970
3.25	3.125	0.008	0.012	99.982
3.50	3.375	0.007	0.011	99.992
3.75	3.625	0.001	0.002	99.994
4.00	3.875	0.001	0.002	99.995
5.00	4.500	0.000	0.000	99.995
5.00	4.500	0.003	0.005	100.000

Statistical Results			
Mean:	1.7176	phi	(0.3041 mm)
Standard Dev:	0.3497	phi-units	(0.7847 mm)
Skewness:	-0.2064	dimensionless	
Kurtosis:	3.6577	dimensionless	
5th Moment:	-1.1056	dimensionless	
6th Moment:	36.9626	dimensionless	
RARD *	0.2036	dimensionless	
Median	1.5996	phi	(0.33 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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