

**Onshore Grab Sample**

**Sample:** OA-17-MB  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 9/14/06  
**Splits?** Yes

**County:** Okaloosa  
**Latitude:** 30° 23' 30.12"  
**Longitude:** 86° 34' 1.96"  
**Datum:** NAD 83  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 67.386 grams  
Total Fines in Sample 0.018 grams  
Total Percent Fines 0.03 %

**Dry Sieving Summary**

Total Sample Weight 67.333 grams  
Total Digested Weight 67.268 grams  
Total Carbonate Weight 0.065 grams  
Total Silica % 99.90 %  
Total Carbonate % 0.10 %  
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-17-MB

Total Sample Mass: 67.333 grams

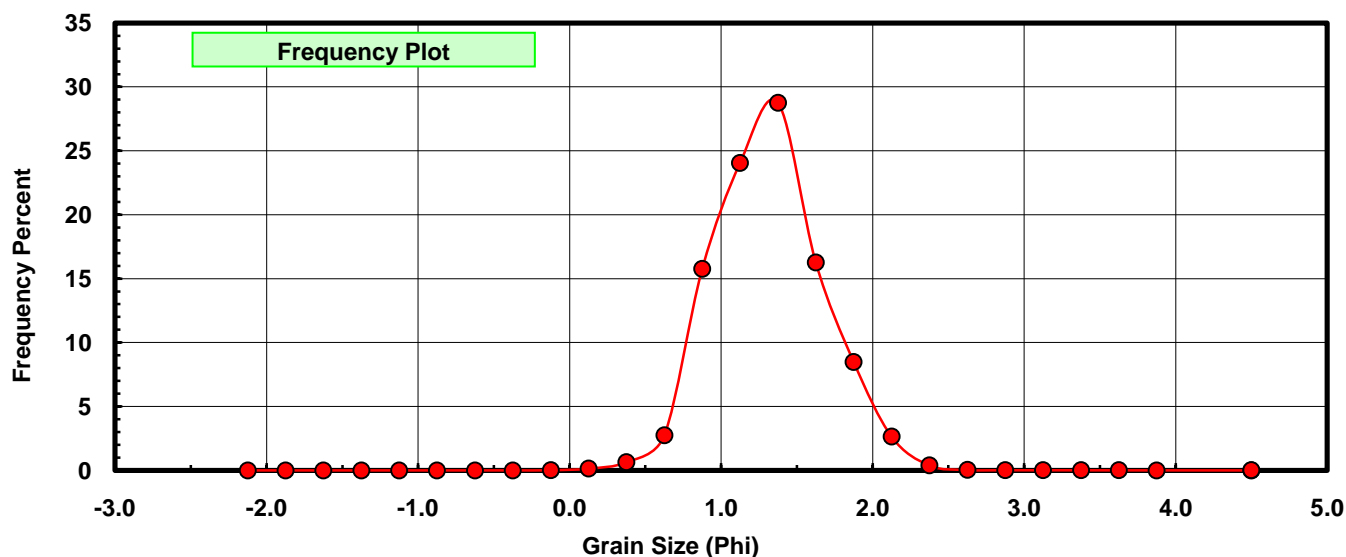
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.002	0.003	0.003
0.00	-0.125	0.008	0.012	0.015
0.25	0.125	0.092	0.136	0.151
0.50	0.375	0.435	0.646	0.797
0.75	0.625	1.847	2.743	3.540
1.00	0.875	10.613	15.762	19.302
1.25	1.125	16.199	24.058	43.361
1.50	1.375	19.373	28.772	72.132
1.75	1.625	10.956	16.271	88.404
2.00	1.875	5.717	8.491	96.895
2.25	2.125	1.782	2.647	99.541
2.50	2.375	0.258	0.383	99.924
2.75	2.625	0.021	0.031	99.955
3.00	2.875	0.008	0.012	99.967
3.25	3.125	0.007	0.010	99.978
3.50	3.375	0.005	0.007	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	4.500	0.005	0.007	100.000

Statistical Results			
Mean:	1.3152	phi	(0.4019 mm)
Standard Dev:	0.3603	phi-units	(0.779 mm)
Skewness:	0.2602	dimensionless	
Kurtosis:	3.6943	dimensionless	
5th Moment:	6.8498	dimensionless	
6th Moment:	62.7132	dimensionless	
RARD *	0.2739	dimensionless	
Median	1.1827	phi	(0.4405 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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