

**Onshore Grab Sample**

**Sample:** OA-16-MB  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 9/14/06  
**Splits?** Yes

**County:** Okaloosa  
**Latitude:** 30° 23' 35.61"  
**Longitude:** 86° 34' 47.19"  
**Datum:** NAD 83  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 78.628 grams  
Total Fines in Sample 0.026 grams  
Total Percent Fines 0.03 %

**Dry Sieving Summary**

Total Sample Weight 78.557 grams  
Total Digested Weight 78.502 grams  
Total Carbonate Weight 0.055 grams  
Total Silica % 99.93 %  
Total Carbonate % 0.07 %  
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-16-MB

Total Sample Mass: 78.557 grams

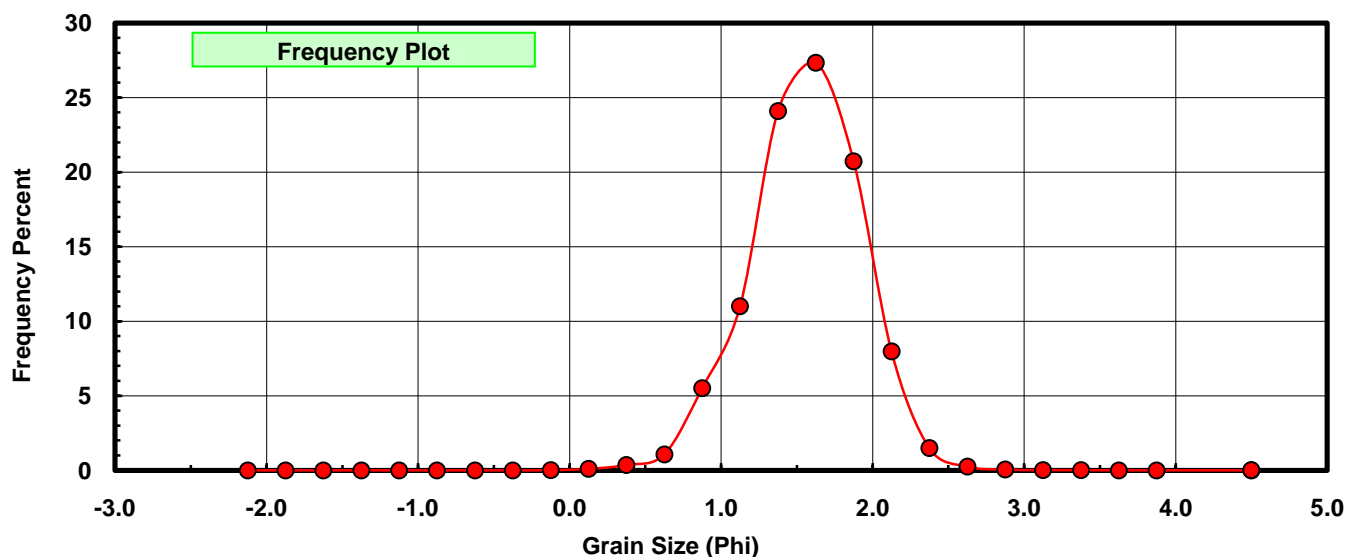
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.008	0.010	0.010
0.25	0.125	0.076	0.097	0.107
0.50	0.375	0.285	0.363	0.470
0.75	0.625	0.845	1.076	1.545
1.00	0.875	4.334	5.517	7.062
1.25	1.125	8.644	11.003	18.066
1.50	1.375	18.920	24.084	42.150
1.75	1.625	21.472	27.333	69.483
2.00	1.875	16.280	20.724	90.207
2.25	2.125	6.265	7.975	98.182
2.50	2.375	1.167	1.486	99.668
2.75	2.625	0.193	0.246	99.913
3.00	2.875	0.038	0.048	99.962
3.25	3.125	0.014	0.018	99.980
3.50	3.375	0.008	0.010	99.990
3.75	3.625	0.002	0.003	99.992
4.00	3.875	0.002	0.003	99.995
5.00	4.500	0.000	0.000	99.995
5.00	4.50	0.004	0.005	100.000

Statistical Results			
Mean:	1.5581	phi	(0.3396 mm)
Standard Dev:	0.3682	phi-units	(0.7747 mm)
Skewness:	-0.1936	dimensionless	
Kurtosis:	3.5871	dimensionless	
5th Moment:	0.0699	dimensionless	
6th Moment:	37.6931	dimensionless	
RARD *	0.2363	dimensionless	
Median	1.4468	phi	(0.3668 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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