

**Onshore Grab Sample**

**Sample:** OA-19-MB  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 9/14/06  
**Splits?** Yes

**County:** Okaloosa  
**Latitude:** 30° 23' 19.15"  
**Longitude:** 86° 32' 8.55"  
**Datum:** NAD 83  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 57.665 grams  
Total Fines in Sample 0.011 grams  
Total Percent Fines 0.02 %

**Dry Sieving Summary**

Total Sample Weight 57.596 grams  
Total Digested Weight 57.570 grams  
Total Carbonate Weight 0.026 grams  
Total Silica % 99.95 %  
Total Carbonate % 0.05 %  
Carbonate/Silica Ratio 0.000

**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-19-MB

Total Sample Mass: 57.596 grams

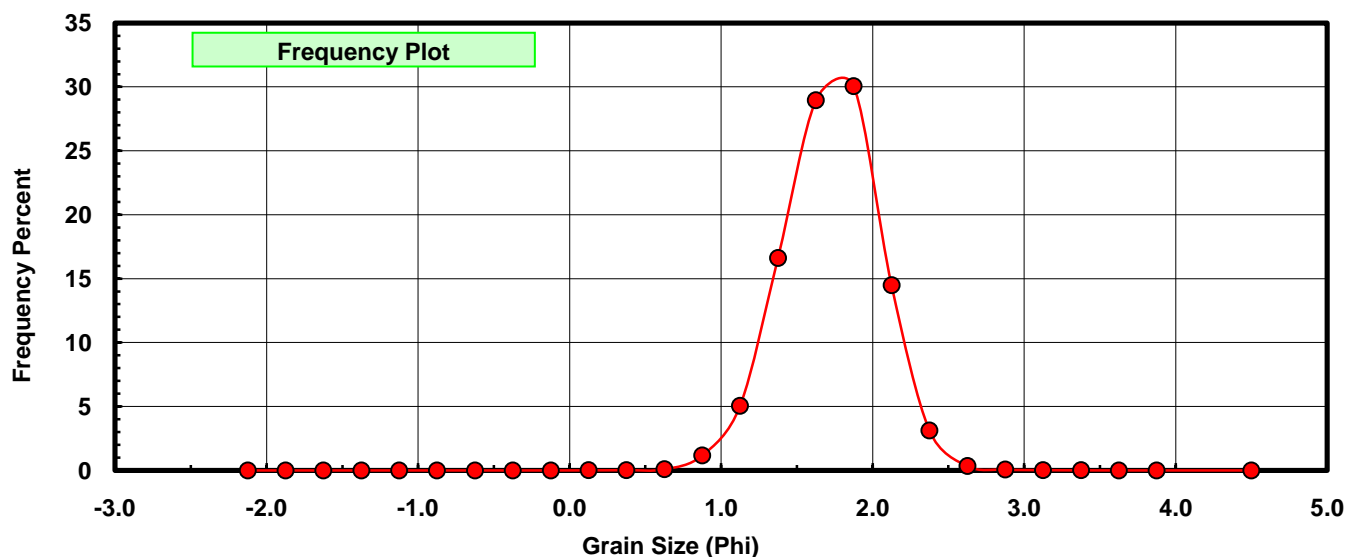
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.004	0.007	0.007
0.50	0.375	0.013	0.023	0.030
0.75	0.625	0.048	0.083	0.113
1.00	0.875	0.673	1.168	1.281
1.25	1.125	2.909	5.051	6.332
1.50	1.375	9.570	16.616	22.948
1.75	1.625	16.673	28.948	51.896
2.00	1.875	17.311	30.056	81.952
2.25	2.125	8.344	14.487	96.439
2.50	2.375	1.800	3.125	99.564
2.75	2.625	0.193	0.335	99.899
3.00	2.875	0.038	0.066	99.965
3.25	3.125	0.012	0.021	99.986
3.50	3.375	0.004	0.007	99.993
3.75	3.625	0.001	0.002	99.995
4.00	3.875	0.001	0.002	99.997
5.00	4.500	0.000	0.000	99.997
5.00	4.50	0.002	0.003	100.000

Statistical Results			
Mean:	1.7240	phi	(0.3027 mm)
Standard Dev:	0.3177	phi-units	(0.8023 mm)
Skewness:	-0.0928	dimensionless	
Kurtosis:	3.4287	dimensionless	
5th Moment:	1.3974	dimensionless	
6th Moment:	38.2882	dimensionless	
RARD *	0.1843	dimensionless	
Median	1.6086	phi	(0.3279 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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