

**Onshore Grab Sample**

**Sample:** OA-25-MB  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 9/12/06  
**Splits?** Yes

**County:** Okaloosa  
**Latitude:** 30° 22' 58.53"  
**Longitude:** 86° 25' 53.46"  
**Datum:** NAD 83  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 72.296 grams  
Total Fines in Sample 0.028 grams  
Total Percent Fines 0.04 %

**Dry Sieving Summary**

Total Sample Weight 72.193 grams  
Total Digested Weight 72.144 grams  
Total Carbonate Weight 0.049 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-25-MB

Total Sample Mass: 72.193 grams

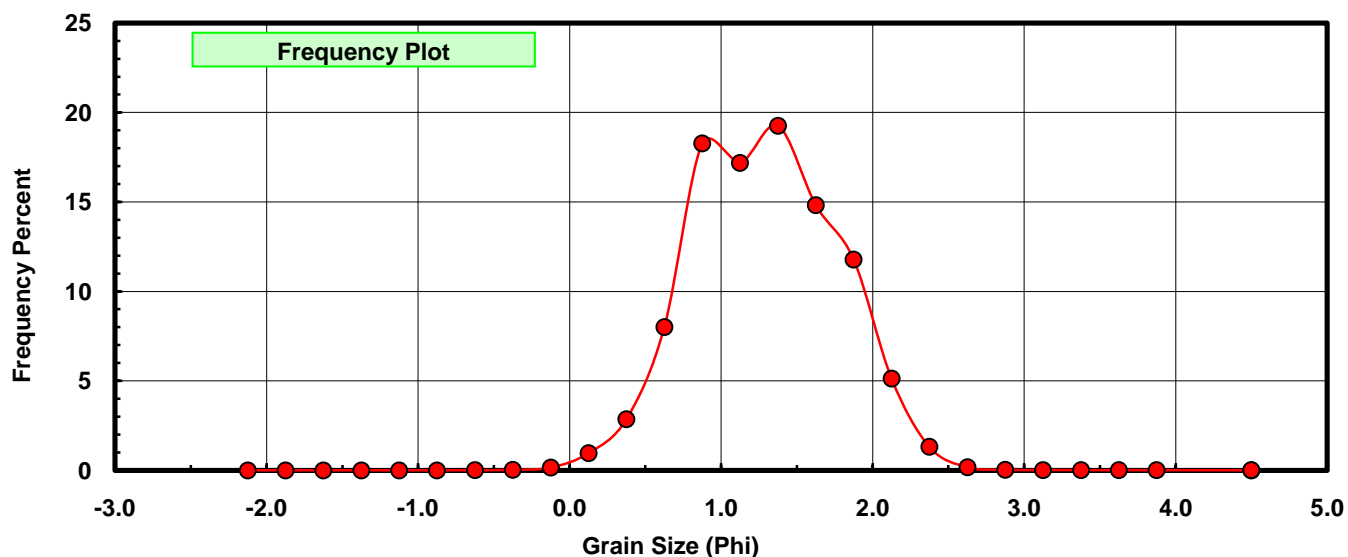
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.004	0.006	0.006
-0.25	-0.375	0.019	0.026	0.032
0.00	-0.125	0.110	0.152	0.184
0.25	0.125	0.689	0.954	1.139
0.50	0.375	2.067	2.863	4.002
0.75	0.625	5.779	8.005	12.007
1.00	0.875	13.190	18.270	30.277
1.25	1.125	12.405	17.183	47.460
1.50	1.375	13.902	19.257	66.717
1.75	1.625	10.701	14.823	81.540
2.00	1.875	8.506	11.782	93.322
2.25	2.125	3.702	5.128	98.450
2.50	2.375	0.946	1.310	99.760
2.75	2.625	0.122	0.169	99.929
3.00	2.875	0.020	0.028	99.957
3.25	3.125	0.010	0.014	99.971
3.50	3.375	0.007	0.010	99.981
3.75	3.625	0.005	0.007	99.988
4.00	3.875	0.005	0.007	99.994
5.00	4.500	0.000	0.000	99.994
5.00	4.500	0.004	0.006	100.000

Statistical Results			
Mean:	1.2882	phi	(0.4095 mm)
Standard Dev:	0.4808	phi-units	(0.7166 mm)
Skewness:	0.0687	dimensionless	
Kurtosis:	2.8098	dimensionless	
5th Moment:	1.3372	dimensionless	
6th Moment:	19.1101	dimensionless	
RARD *	0.3732	dimensionless	
Median	1.1580	phi	(0.4481 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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