

**Onshore Grab Sample**

**Sample:** MO-16  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 4/14/10  
**Splits?** N/A

**County:** Monroe  
**Latitude:** 24° 39' 15.3"  
**Longitude:** 81° 16' 50.4"  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 61.499 grams  
Total Fines in Sample 0.726 grams  
Total Percent Fines 1.17 %

**Dry Sieving Summary**

Total Sample Weight 60.851 grams  
Total Digested Weight 0.100 grams  
Total Carbonate Weight 60.751 grams  
Total Silica % 0.16 %  
Total Carbonate % 99.84 %  
Carbonate/Silica Ratio 607.510

**General Comments:**

Not Enough Sample to do Post-Digestion Analysis

**Description**

Worked By: M. Ladle

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: MO-16

Total Sample Mass: 60.851 grams

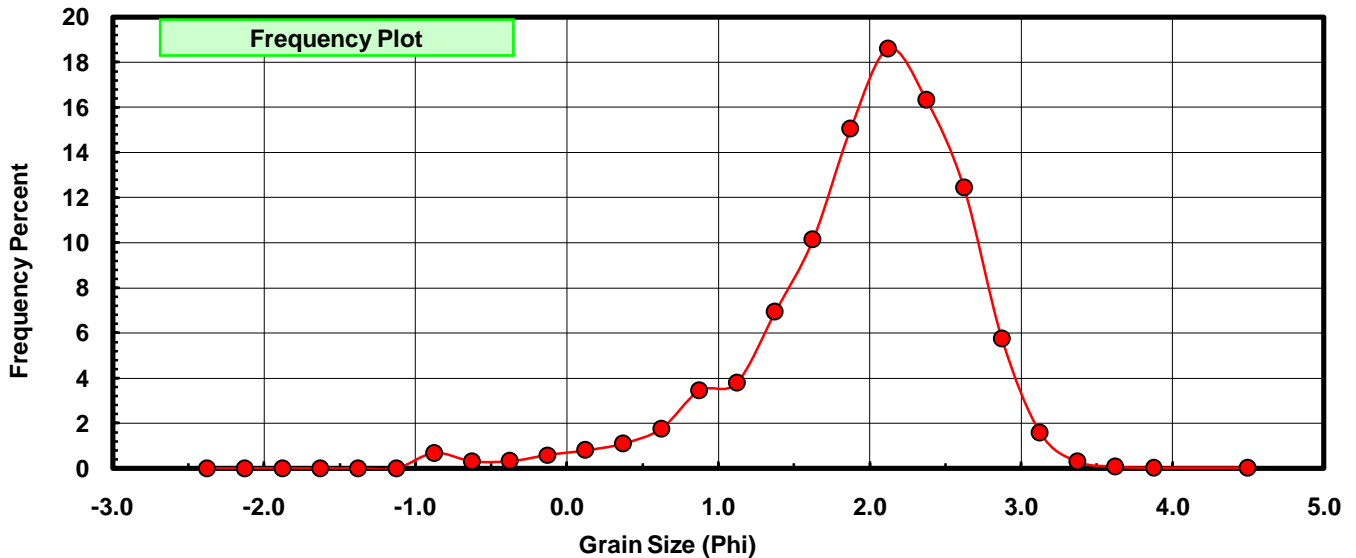
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.413	0.679	0.679
-0.50	-0.625	0.185	0.304	0.983
-0.25	-0.375	0.194	0.319	1.302
0.00	-0.125	0.363	0.597	1.898
0.25	0.125	0.489	0.804	2.702
0.50	0.375	0.666	1.094	3.796
0.75	0.625	1.070	1.758	5.555
1.00	0.875	2.090	3.435	8.989
1.25	1.125	2.306	3.790	12.779
1.50	1.375	4.217	6.930	19.709
1.75	1.625	6.164	10.130	29.838
2.00	1.875	9.161	15.055	44.893
2.25	2.125	11.318	18.600	63.493
2.50	2.375	9.941	16.337	79.829
2.75	2.625	7.563	12.429	92.258
3.00	2.875	3.499	5.750	98.008
3.25	3.125	0.961	1.579	99.588
3.50	3.375	0.181	0.297	99.885
3.75	3.625	0.040	0.066	99.951
4.00	3.875	0.014	0.023	99.974
5.00	4.50	0.016	0.026	100.000

Statistical Results			
Mean:	1.9598	phi	(0.2571 mm)
Standard Dev:	0.6951	phi-units	(0.6177 mm)
Skewness:	-1.1654	dimensionless	
Kurtosis:	5.2390	dimensionless	
5th Moment:	-14.5704	dimensionless	
6th Moment:	56.7361	dimensionless	
RARD *	0.3546	dimensionless	
Median	1.9436	phi	(0.26 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)



# MO-16

