

**Onshore Grab Sample**

**Sample:** MO-03  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 4/15/10  
**Splits?** N/A

**County:** Monroe  
**Latitude:** 24° 50' 43.912.1"  
**Longitude:** 80° 44' 45.4"  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 53.687 grams  
Total Fines in Sample 0.946 grams  
Total Percent Fines 1.73 %

**Dry Sieving Summary**

Total Sample Weight 52.949 grams  
Total Digested Weight 0.182 grams  
Total Carbonate Weight 52.767 grams  
Total Silica % 0.34 %  
Total Carbonate % 99.66 %  
Carbonate/Silica Ratio 289.929

**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-03

Total Sample Mass: 52.949 grams

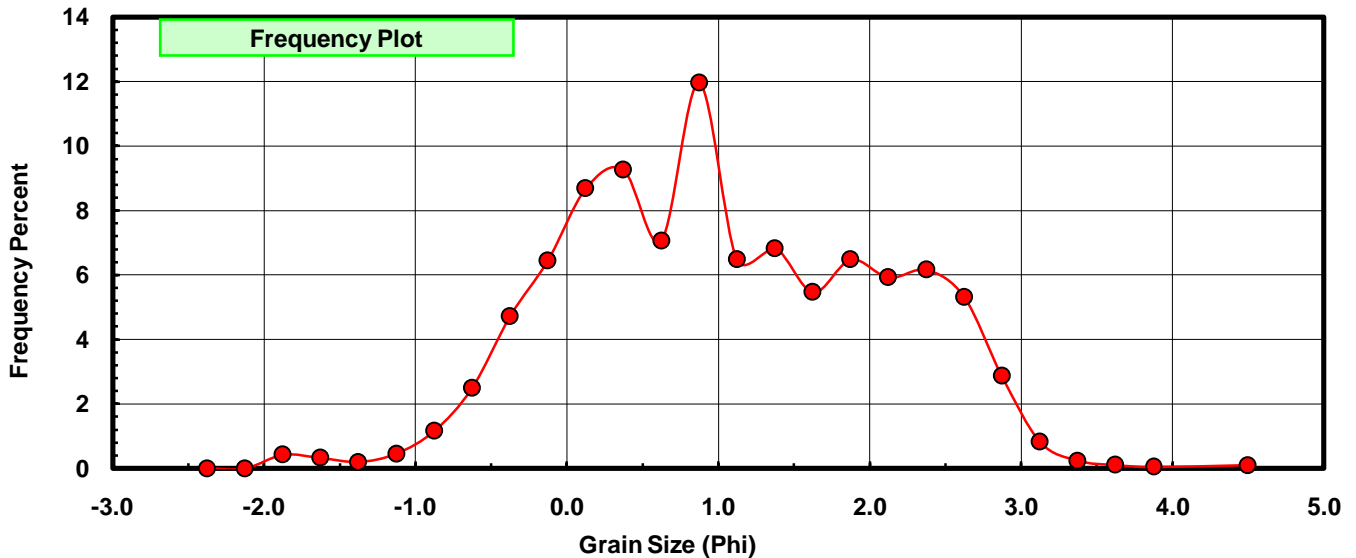
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.225	0.425	0.425
-1.50	-1.625	0.172	0.325	0.750
-1.25	-1.375	0.103	0.195	0.944
-1.00	-1.125	0.238	0.449	1.394
-0.75	-0.875	0.615	1.161	2.555
-0.50	-0.625	1.319	2.491	5.046
-0.25	-0.375	2.499	4.720	9.766
0.00	-0.125	3.417	6.453	16.219
0.25	0.125	4.600	8.688	24.907
0.50	0.375	4.901	9.256	34.163
0.75	0.625	3.739	7.062	41.225
1.00	0.875	6.333	11.961	53.185
1.25	1.125	3.428	6.474	59.659
1.50	1.375	3.616	6.829	66.489
1.75	1.625	2.896	5.469	71.958
2.00	1.875	3.428	6.474	78.432
2.25	2.125	3.135	5.921	84.353
2.50	2.375	3.260	6.157	90.510
2.75	2.625	2.815	5.316	95.826
3.00	2.875	1.519	2.869	98.695
3.25	3.125	0.435	0.822	99.517
3.50	3.375	0.125	0.236	99.753
3.75	3.625	0.055	0.104	99.856
4.00	3.875	0.024	0.045	99.902
5.00	4.50	0.052	0.098	100.000

Statistical Results			
Mean:	1.0365	phi	(0.4875 mm)
Standard Dev:	1.0428	phi-units	(0.4854 mm)
Skewness:	0.0678	dimensionless	
Kurtosis:	2.4069	dimensionless	
5th Moment:	-0.0517	dimensionless	
6th Moment:	9.5242	dimensionless	
RARD *	1.0060	dimensionless	
Median	0.8084	phi	(0.571 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-03

