

**Onshore Grab Sample**

**Sample:** MO-02  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 4/15/10  
**Splits?** N/A

**County:** Monroe  
**Latitude:** 24° 51' 12.1"  
**Longitude:** 80° 43' 53.8"  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 47.482 grams  
Total Fines in Sample 1.291 grams  
Total Percent Fines 2.65 %

**Dry Sieving Summary**

Total Sample Weight 46.290 grams  
Total Digested Weight 0.418 grams  
Total Carbonate Weight 45.872 grams  
Total Silica % 0.90 %  
Total Carbonate % 99.10 %  
Carbonate/Silica Ratio 109.742

**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-02

Total Sample Mass: 46.290 grams

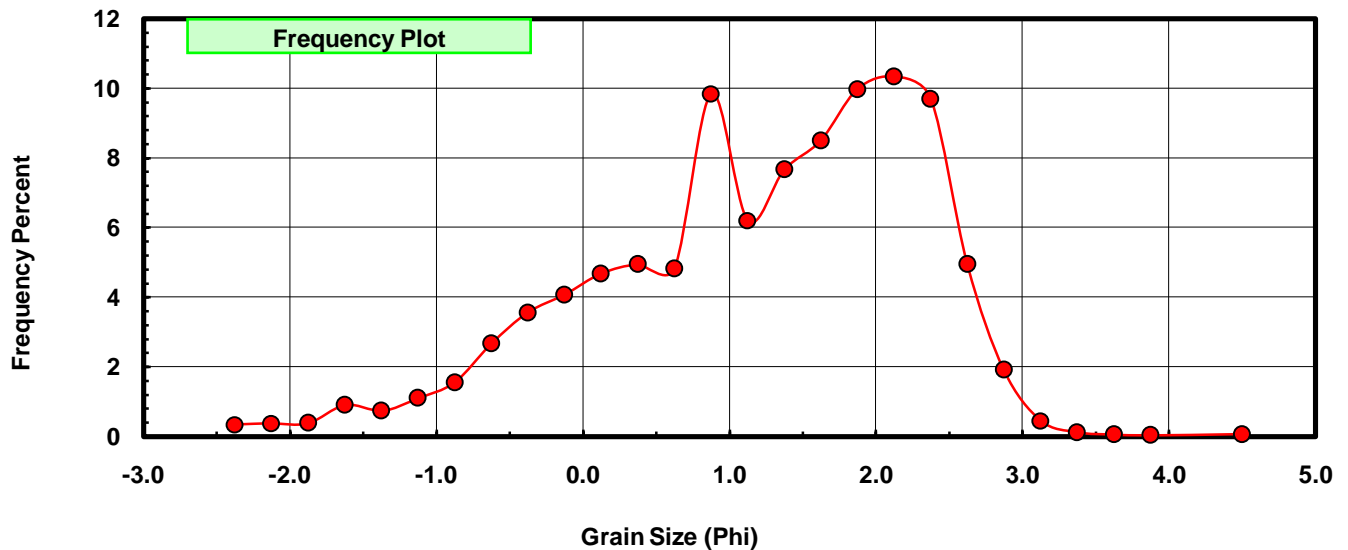
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.161	0.348	0.348
-2.00	-2.125	0.178	0.385	0.732
-1.75	-1.875	0.179	0.387	1.119
-1.50	-1.625	0.419	0.905	2.024
-1.25	-1.375	0.343	0.741	2.765
-1.00	-1.125	0.513	1.108	3.873
-0.75	-0.875	0.720	1.555	5.429
-0.50	-0.625	1.234	2.666	8.095
-0.25	-0.375	1.647	3.558	11.653
0.00	-0.125	1.887	4.076	15.729
0.25	0.125	2.164	4.675	20.404
0.50	0.375	2.290	4.947	25.351
0.75	0.625	2.228	4.813	30.164
1.00	0.875	4.558	9.847	40.011
1.25	1.125	2.874	6.209	46.219
1.50	1.375	3.547	7.663	53.882
1.75	1.625	3.933	8.496	62.378
2.00	1.875	4.616	9.972	72.350
2.25	2.125	4.786	10.339	82.690
2.50	2.375	4.488	9.695	92.385
2.75	2.625	2.288	4.943	97.328
3.00	2.875	0.888	1.918	99.246
3.25	3.125	0.212	0.458	99.704
3.50	3.375	0.057	0.123	99.827
3.75	3.625	0.029	0.063	99.890
4.00	3.875	0.018	0.039	99.929
5.00	4.50	0.033	0.071	100.000

Statistical Results			
Mean:	1.1915	phi	(0.4379 mm)
Standard Dev:	1.1127	phi-units	(0.4624 mm)
Skewness:	-0.6585	dimensionless	
Kurtosis:	2.9704	dimensionless	
5th Moment:	-4.8021	dimensionless	
6th Moment:	15.9536	dimensionless	
RARD *	0.9339	dimensionless	
Median	1.2483	phi	(0.4209 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-02

