

**Onshore Grab Sample**

**Sample:** MO-01  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 4/15/10  
**Splits?** N/A

**County:** Monroe  
**Latitude:** 24° 51' 37.7"  
**Longitude:** 80° 43' 13.1"  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 64.842 grams  
Total Fines in Sample 2.089 grams  
Total Percent Fines 3.12 %

**Dry Sieving Summary**

Total Sample Weight 62.928 grams  
Total Digested Weight 2.844 grams  
Total Carbonate Weight 60.084 grams  
Total Silica % 4.52 %  
Total Carbonate % 95.48 %  
Carbonate/Silica Ratio 21.127

**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-01

Total Sample Mass: 62.928 grams

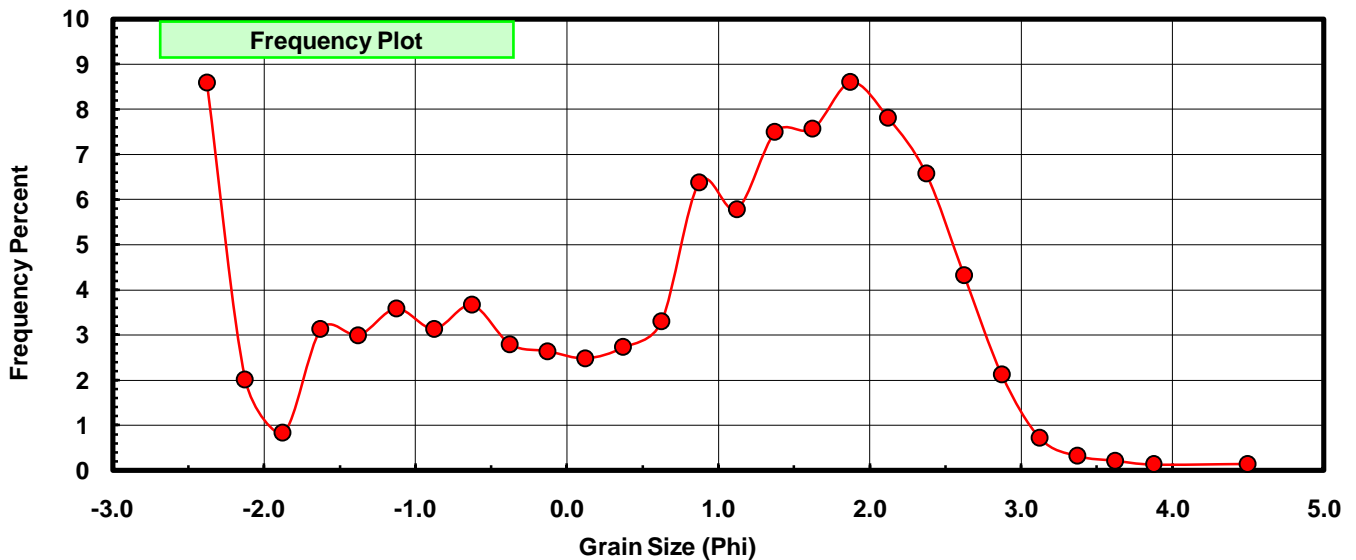
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	5.402	8.584	8.584
-2.00	-2.125	1.265	2.010	10.595
-1.75	-1.875	0.522	0.830	11.424
-1.50	-1.625	1.966	3.124	14.548
-1.25	-1.375	1.883	2.992	17.541
-1.00	-1.125	2.255	3.583	21.124
-0.75	-0.875	1.971	3.132	24.256
-0.50	-0.625	2.306	3.665	27.921
-0.25	-0.375	1.756	2.790	30.711
0.00	-0.125	1.660	2.638	33.349
0.25	0.125	1.562	2.482	35.831
0.50	0.375	1.716	2.727	38.558
0.75	0.625	2.071	3.291	41.849
1.00	0.875	4.011	6.374	48.223
1.25	1.125	3.641	5.786	54.009
1.50	1.375	4.717	7.496	61.505
1.75	1.625	4.763	7.569	69.074
2.00	1.875	5.413	8.602	77.676
2.25	2.125	4.913	7.807	85.483
2.50	2.375	4.136	6.573	92.056
2.75	2.625	2.719	4.321	96.377
3.00	2.875	1.333	2.118	98.495
3.25	3.125	0.448	0.712	99.207
3.50	3.375	0.200	0.318	99.525
3.75	3.625	0.131	0.208	99.733
4.00	3.875	0.081	0.129	99.862
5.00	4.50	0.087	0.138	100.000

Statistical Results			
Mean:	0.6317	phi	(0.6454 mm)
Standard Dev:	1.6228	phi-units	(0.3247 mm)
Skewness:	-0.4946	dimensionless	
Kurtosis:	2.0550	dimensionless	
5th Moment:	-1.8981	dimensionless	
6th Moment:	5.6298	dimensionless	
RARD *	2.5689	dimensionless	
Median	0.9518	phi	(0.517 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-01

