

**Onshore Grab Sample**

**Sample:** MO-04  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 4/15/10  
**Splits?** N/A

**County:** Monroe  
**Latitude:** 24° 48' 45.5"  
**Longitude:** 80° 48' 56.3"  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 51.035 grams  
Total Fines in Sample 4.959 grams  
Total Percent Fines 8.86 %

**Dry Sieving Summary**

Total Sample Weight 46.565 grams  
Total Digested Weight 0.038 grams  
Total Carbonate Weight 46.527 grams  
Total Silica % 0.08 %  
Total Carbonate % 99.92 %  
Carbonate/Silica Ratio 1224.395

**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-04

Total Sample Mass: 46.565 grams

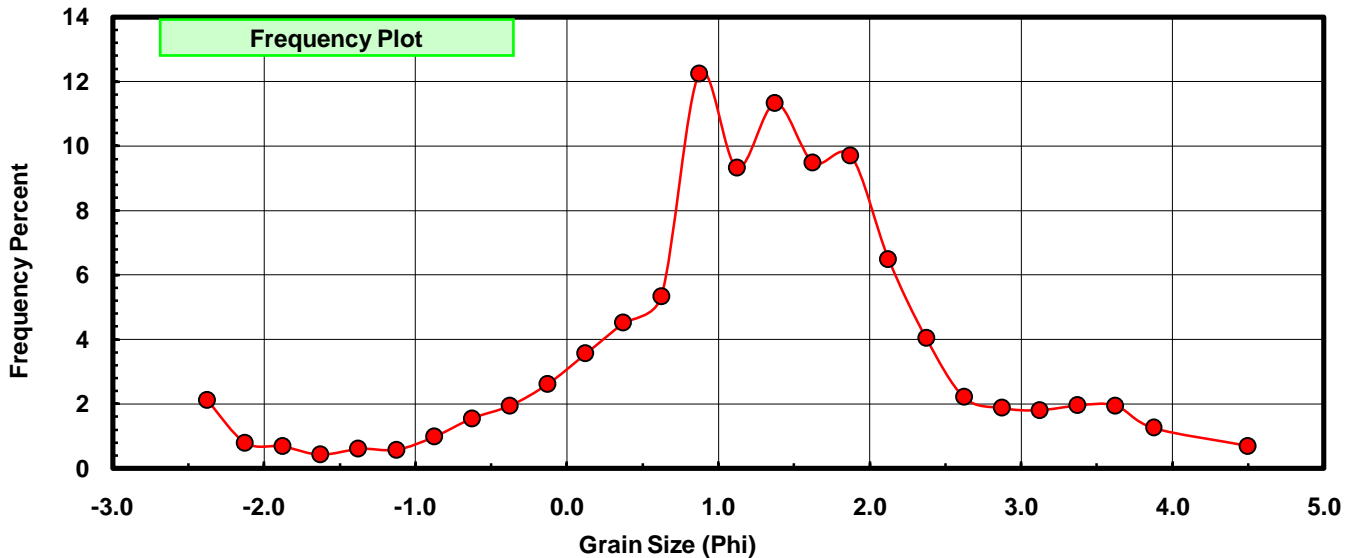
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.989	2.124	2.124
-2.00	-2.125	0.368	0.790	2.914
-1.75	-1.875	0.316	0.679	3.593
-1.50	-1.625	0.197	0.423	4.016
-1.25	-1.375	0.281	0.603	4.619
-1.00	-1.125	0.266	0.571	5.191
-0.75	-0.875	0.457	0.981	6.172
-0.50	-0.625	0.721	1.548	7.720
-0.25	-0.375	0.905	1.944	9.664
0.00	-0.125	1.220	2.620	12.284
0.25	0.125	1.656	3.556	15.840
0.50	0.375	2.101	4.512	20.352
0.75	0.625	2.483	5.332	25.685
1.00	0.875	5.699	12.239	37.923
1.25	1.125	4.342	9.325	47.248
1.50	1.375	5.272	11.322	58.570
1.75	1.625	4.419	9.490	68.060
2.00	1.875	4.519	9.705	77.764
2.25	2.125	3.022	6.490	84.254
2.50	2.375	1.878	4.033	88.287
2.75	2.625	1.027	2.206	90.493
3.00	2.875	0.870	1.868	92.361
3.25	3.125	0.839	1.802	94.163
3.50	3.375	0.909	1.952	96.115
3.75	3.625	0.905	1.944	98.059
4.00	3.875	0.584	1.254	99.313
5.00	4.50	0.320	0.687	100.000

Statistical Results			
Mean:	1.2456	phi	(0.4217 mm)
Standard Dev:	1.2495	phi-units	(0.4206 mm)
Skewness:	-0.4927	dimensionless	
Kurtosis:	4.0774	dimensionless	
5th Moment:	-4.8931	dimensionless	
6th Moment:	24.7819	dimensionless	
RARD *	1.0031	dimensionless	
Median	1.1858	phi	(0.4396 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-04

