

**Onshore Grab Sample**

**Sample:** MO-15  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 4/14/10  
**Splits?** N/A

**County:** Monroe  
**Latitude:** 24° 39' 40.6"  
**Longitude:** 81° 16' 12"  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 70.76 grams  
Total Fines in Sample 0.413 grams  
Total Percent Fines 0.58 %

**Dry Sieving Summary**

Total Sample Weight 70.510 grams  
Total Digested Weight 0.052 grams  
Total Carbonate Weight 70.458 grams  
Total Silica % 0.07 %  
Total Carbonate % 99.93 %  
Carbonate/Silica Ratio 1354.962

**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-15

Total Sample Mass: 70.510 grams

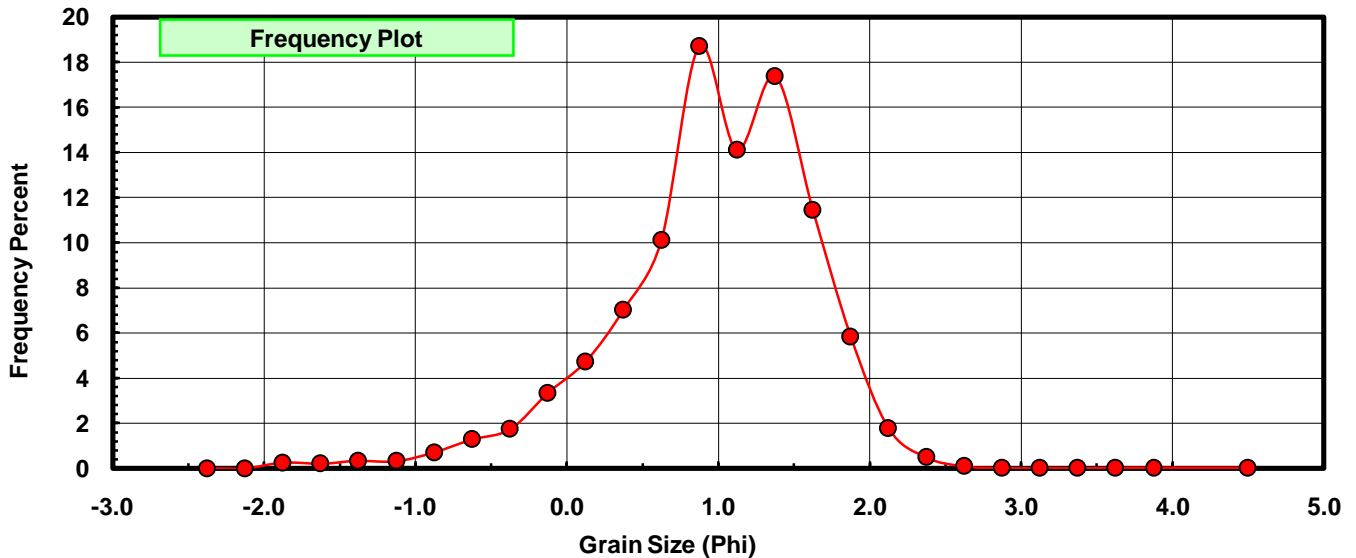
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.174	0.247	0.247
-1.50	-1.625	0.141	0.200	0.447
-1.25	-1.375	0.231	0.328	0.774
-1.00	-1.125	0.222	0.315	1.089
-0.75	-0.875	0.494	0.701	1.790
-0.50	-0.625	0.901	1.278	3.068
-0.25	-0.375	1.226	1.739	4.806
0.00	-0.125	2.358	3.344	8.151
0.25	0.125	3.339	4.735	12.886
0.50	0.375	4.958	7.032	19.918
0.75	0.625	7.130	10.112	30.030
1.00	0.875	13.190	18.707	48.736
1.25	1.125	9.950	14.111	62.848
1.50	1.375	12.254	17.379	80.227
1.75	1.625	8.063	11.435	91.662
2.00	1.875	4.120	5.843	97.505
2.25	2.125	1.253	1.777	99.282
2.50	2.375	0.348	0.494	99.776
2.75	2.625	0.064	0.091	99.867
3.00	2.875	0.019	0.027	99.894
3.25	3.125	0.012	0.017	99.911
3.50	3.375	0.010	0.014	99.925
3.75	3.625	0.017	0.024	99.949
4.00	3.875	0.016	0.023	99.972
5.00	4.50	0.020	0.028	100.000

Statistical Results			
Mean:	0.9682	phi	(0.5111 mm)
Standard Dev:	0.6682	phi-units	(0.6293 mm)
Skewness:	-0.7807	dimensionless	
Kurtosis:	4.6851	dimensionless	
5th Moment:	-8.3575	dimensionless	
6th Moment:	49.6396	dimensionless	
RARD *	0.6901	dimensionless	
Median	0.8974	phi	(0.5369 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-15

