

## **Onshore Grab Sample**

**Sample:** MO-24  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 4/17/10  
**Splits?** N/A

**County:** Monroe  
**Latitude:** 24° 37' 16.5"  
**Longitude:** 81° 23' 41.5"  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

### **Fine Data Summary**

Total Sample Weight 52.69 grams  
Total Fines in Sample 0.627 grams  
Total Percent Fines 1.18 %

### **Dry Sieving Summary**

Total Sample Weight 52.210 grams  
Total Digested Weight 0.022 grams  
Total Carbonate Weight 52.188 grams  
Total Silica % 0.04 %  
Total Carbonate % 99.96 %  
Carbonate/Silica Ratio 2372.182

### **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-24

Total Sample Mass: 52.210 grams

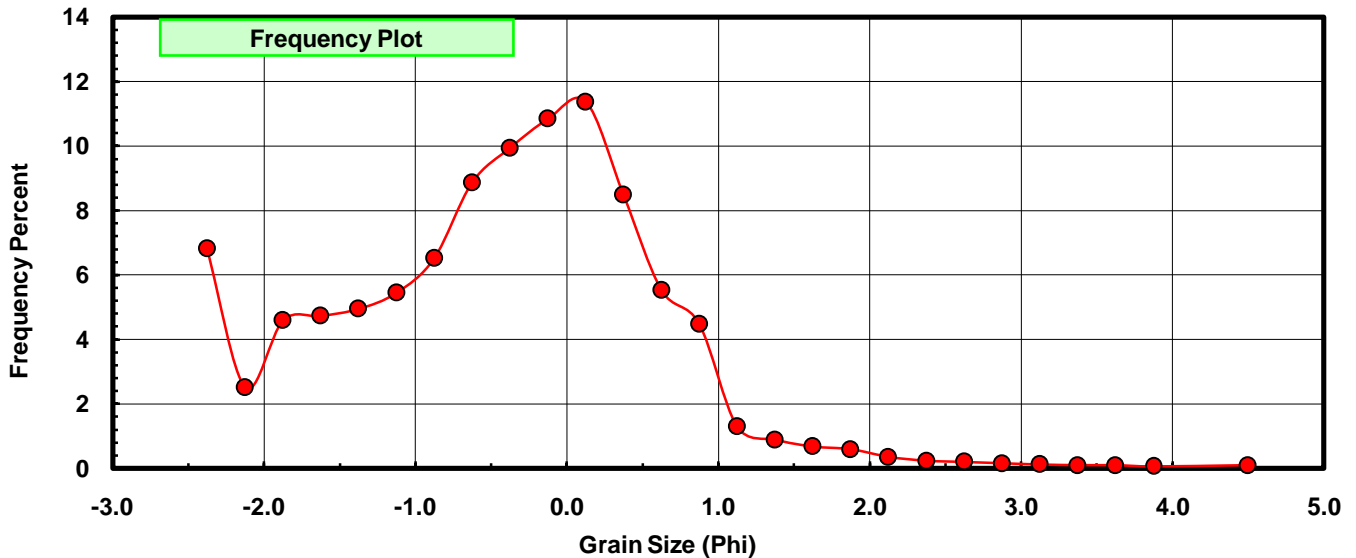
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	3.558	6.815	6.815
-2.00	-2.125	1.314	2.517	9.332
-1.75	-1.875	2.399	4.595	13.926
-1.50	-1.625	2.469	4.729	18.655
-1.25	-1.375	2.584	4.949	23.605
-1.00	-1.125	2.844	5.447	29.052
-0.75	-0.875	3.404	6.520	35.572
-0.50	-0.625	4.629	8.866	44.438
-0.25	-0.375	5.191	9.943	54.380
0.00	-0.125	5.661	10.843	65.223
0.25	0.125	5.938	11.373	76.596
0.50	0.375	4.432	8.489	85.085
0.75	0.625	2.888	5.532	90.617
1.00	0.875	2.342	4.486	95.102
1.25	1.125	0.681	1.304	96.407
1.50	1.375	0.465	0.891	97.297
1.75	1.625	0.357	0.684	97.981
2.00	1.875	0.309	0.592	98.573
2.25	2.125	0.182	0.349	98.922
2.50	2.375	0.123	0.236	99.157
2.75	2.625	0.105	0.201	99.358
3.00	2.875	0.083	0.159	99.517
3.25	3.125	0.063	0.121	99.638
3.50	3.375	0.052	0.100	99.738
3.75	3.625	0.049	0.094	99.831
4.00	3.875	0.036	0.069	99.900
5.00	4.50	0.052	0.100	100.000

Statistical Results			
Mean:	-0.4614	phi	(1.3769 mm)
Standard Dev:	1.0581	phi-units	(0.4803 mm)
Skewness:	0.1974	dimensionless	
Kurtosis:	3.5806	dimensionless	
5th Moment:	5.8187	dimensionless	
6th Moment:	30.9528	dimensionless	
RARD *	2.2932	dimensionless	
Median	-0.4851	phi	(1.3997 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-24

