

Onshore Grab Sample

Sample: MO-23
Sample Taken By: D. Phelps
Sample Collected On: 4/17/10
Splits? N/A

County: Monroe
Latitude: 24° 37' 34.5"
Longitude: 81° 23' 2.4"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 44.746 grams
Total Fines in Sample 1.355 grams
Total Percent Fines 2.94 %

Dry Sieving Summary

Total Sample Weight 43.705 grams
Total Digested Weight 0.045 grams
Total Carbonate Weight 43.660 grams
Total Silica % 0.10 %
Total Carbonate % 99.90 %
Carbonate/Silica Ratio 970.222

General Comments:

Not Enough Sample to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

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Total Sample Mass: 43.705 grams

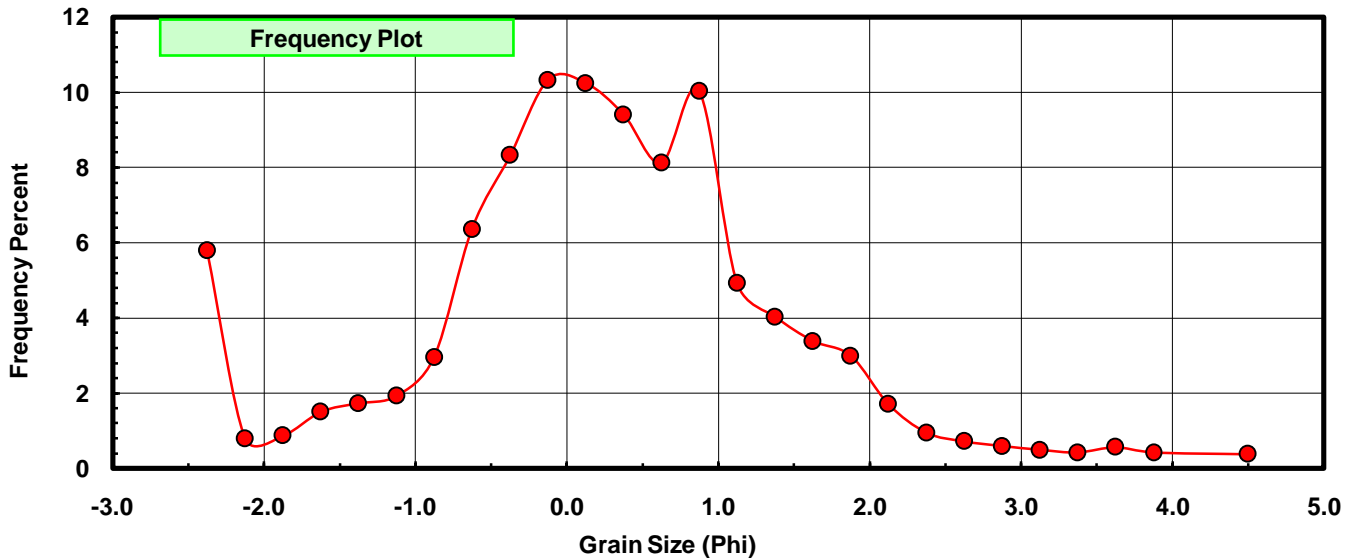
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	2.535	5.800	5.800
-2.00	-2.125	0.343	0.785	6.585
-1.75	-1.875	0.380	0.869	7.455
-1.50	-1.625	0.657	1.503	8.958
-1.25	-1.375	0.756	1.730	10.688
-1.00	-1.125	0.843	1.929	12.616
-0.75	-0.875	1.294	2.961	15.577
-0.50	-0.625	2.782	6.365	21.943
-0.25	-0.375	3.641	8.331	30.273
0.00	-0.125	4.515	10.331	40.604
0.25	0.125	4.476	10.241	50.845
0.50	0.375	4.110	9.404	60.249
0.75	0.625	3.550	8.123	68.372
1.00	0.875	4.385	10.033	78.405
1.25	1.125	2.154	4.928	83.334
1.50	1.375	1.762	4.032	87.365
1.75	1.625	1.479	3.384	90.749
2.00	1.875	1.308	2.993	93.742
2.25	2.125	0.747	1.709	95.451
2.50	2.375	0.415	0.950	96.401
2.75	2.625	0.315	0.721	97.122
3.00	2.875	0.258	0.590	97.712
3.25	3.125	0.215	0.492	98.204
3.50	3.375	0.184	0.421	98.625
3.75	3.625	0.249	0.570	99.195
4.00	3.875	0.185	0.423	99.618
5.00	4.50	0.167	0.382	100.000

Statistical Results			
Mean:	0.2367	phi	(0.8487 mm)
Standard Dev:	1.2358	phi-units	(0.4246 mm)
Skewness:	0.1029	dimensionless	
Kurtosis:	3.7175	dimensionless	
5th Moment:	2.4832	dimensionless	
6th Moment:	21.8001	dimensionless	
RARD *	5.2209	dimensionless	
Median	0.1044	phi	(0.9302 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-23

