

Onshore Grab Sample

Sample: MO-11-BB
Sample Taken By: D. Phelps
Sample Collected On: 4/14/10
Splits? N/A

County: Monroe
Latitude: 24° 41' 29.3"
Longitude: 81° 5' 11.6"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 41.193 grams
Total Fines in Sample 0.260 grams
Total Percent Fines 0.63 %

Dry Sieving Summary

Total Sample Weight 41.019 grams
Total Digested Weight 2.199 grams
Total Carbonate Weight 38.820 grams
Total Silica % 5.36 %
Total Carbonate % 94.64 %
Carbonate/Silica Ratio 17.653

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: 41.019 grams

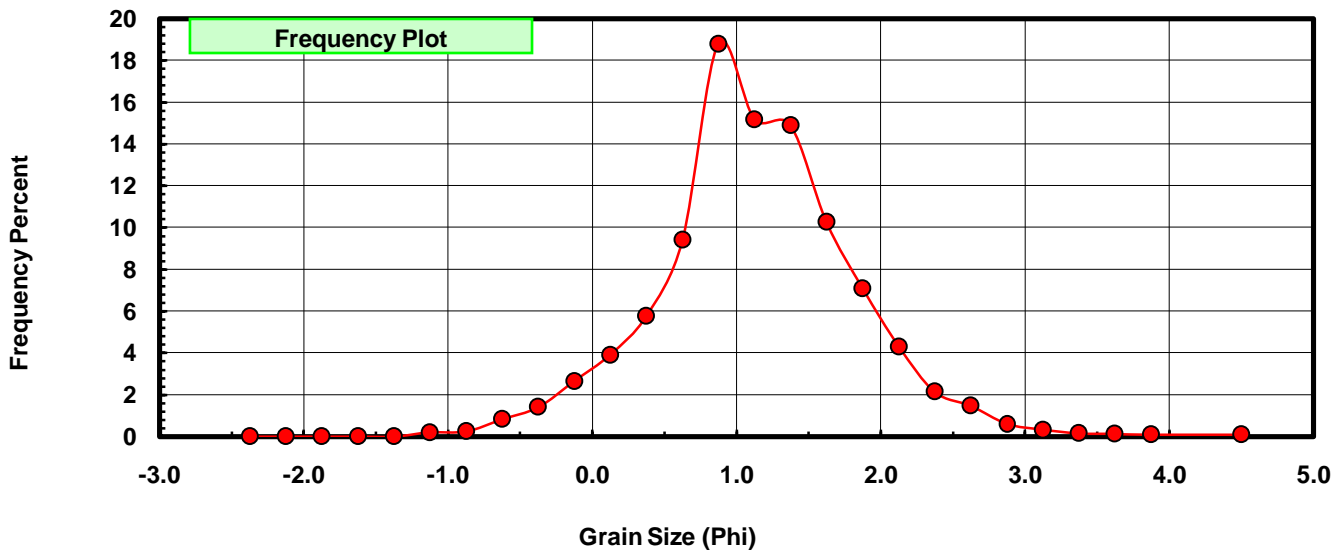
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.081	0.197	0.197
-0.75	-0.875	0.103	0.251	0.449
-0.50	-0.625	0.343	0.836	1.285
-0.25	-0.375	0.581	1.416	2.701
0.00	-0.125	1.089	2.655	5.356
0.25	0.125	1.606	3.915	9.271
0.50	0.375	2.371	5.780	15.052
0.75	0.625	3.858	9.405	24.457
1.00	0.875	7.710	18.796	43.253
1.25	1.125	6.223	15.171	58.424
1.50	1.375	6.109	14.893	73.317
1.75	1.625	4.212	10.268	83.586
2.00	1.875	2.904	7.080	90.665
2.25	2.125	1.767	4.308	94.973
2.50	2.375	0.879	2.143	97.116
2.75	2.625	0.605	1.475	98.591
3.00	2.875	0.247	0.602	99.193
3.25	3.125	0.135	0.329	99.522
3.50	3.375	0.063	0.154	99.676
3.75	3.625	0.055	0.134	99.810
4.00	3.875	0.041	0.100	99.910
5.00	4.50	0.037	0.090	100.000

Statistical Results			
Mean:	1.1333	phi	(0.4559 mm)
Standard Dev:	0.6985	phi-units	(0.6162 mm)
Skewness:	0.1656	dimensionless	
Kurtosis:	4.0574	dimensionless	
5th Moment:	3.7058	dimensionless	
6th Moment:	34.6160	dimensionless	
RARD *	0.6163	dimensionless	
Median	0.9862	phi	(0.5048 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)



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