

Onshore Grab Sample

Sample: MO-22
Sample Taken By: D. Phelps
Sample Collected On: 4/17/10
Splits? N/A

County: Monroe
Latitude: 24° 37' 51.4"
Longitude: 81° 22' 8.9"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 47.107 grams
Total Fines in Sample 0.252 grams
Total Percent Fines 0.53 %

Dry Sieving Summary

Total Sample Weight 47.099 grams
Total Digested Weight 0.031 grams
Total Carbonate Weight 47.068 grams
Total Silica % 0.07 %
Total Carbonate % 99.93 %
Carbonate/Silica Ratio 1518.323

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: 47.099 grams

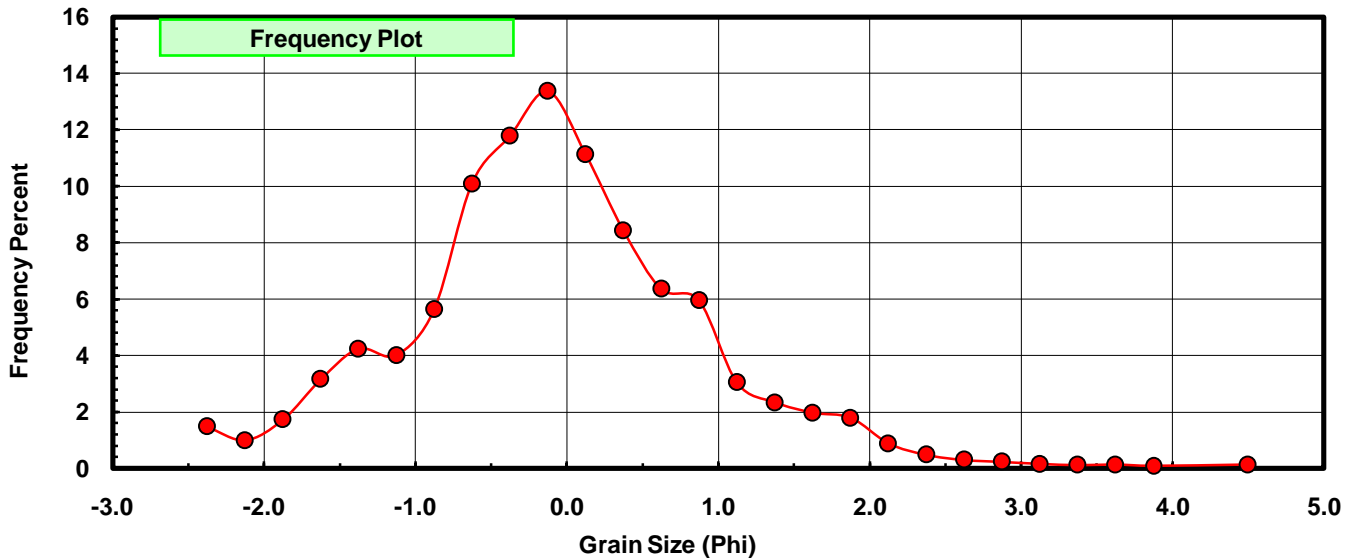
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.700	1.486	1.486
-2.00	-2.125	0.466	0.989	2.476
-1.75	-1.875	0.814	1.728	4.204
-1.50	-1.625	1.487	3.157	7.361
-1.25	-1.375	1.994	4.234	11.595
-1.00	-1.125	1.888	4.009	15.603
-0.75	-0.875	2.653	5.633	21.236
-0.50	-0.625	4.754	10.094	31.330
-0.25	-0.375	5.555	11.794	43.124
0.00	-0.125	6.297	13.370	56.494
0.25	0.125	5.242	11.130	67.624
0.50	0.375	3.968	8.425	76.048
0.75	0.625	2.996	6.361	82.409
1.00	0.875	2.801	5.947	88.356
1.25	1.125	1.435	3.047	91.403
1.50	1.375	1.100	2.336	93.739
1.75	1.625	0.927	1.968	95.707
2.00	1.875	0.844	1.792	97.499
2.25	2.125	0.414	0.879	98.378
2.50	2.375	0.226	0.480	98.858
2.75	2.625	0.141	0.299	99.157
3.00	2.875	0.108	0.229	99.386
3.25	3.125	0.073	0.155	99.541
3.50	3.375	0.054	0.115	99.656
3.75	3.625	0.060	0.127	99.783
4.00	3.875	0.042	0.089	99.873
5.00	4.50	0.060	0.127	100.000

Statistical Results			
Mean:	-0.0803	phi	(1.0573 mm)
Standard Dev:	0.9957	phi-units	(0.5015 mm)
Skewness:	0.4129	dimensionless	
Kurtosis:	4.0266	dimensionless	
5th Moment:	6.4827	dimensionless	
6th Moment:	34.4934	dimensionless	
RARD *	12.3934	dimensionless	
Median	-0.2464	phi	(1.1863 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-22

