

Onshore Grab Sample

Sample: MO-20
Sample Taken By: D. Phelps
Sample Collected On: 4/14/10
Splits? N/A

County: Monroe
Latitude: 24° 38' 11.3"
Longitude: 81° 20' 45.3"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 32.512 grams
Total Fines in Sample 1.083 grams
Total Percent Fines 3.22 %

Dry Sieving Summary

Total Sample Weight 31.757 grams
Total Digested Weight 0.104 grams
Total Carbonate Weight 31.653 grams
Total Silica % 0.33 %
Total Carbonate % 99.67 %
Carbonate/Silica Ratio 304.356

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: 31.757 grams

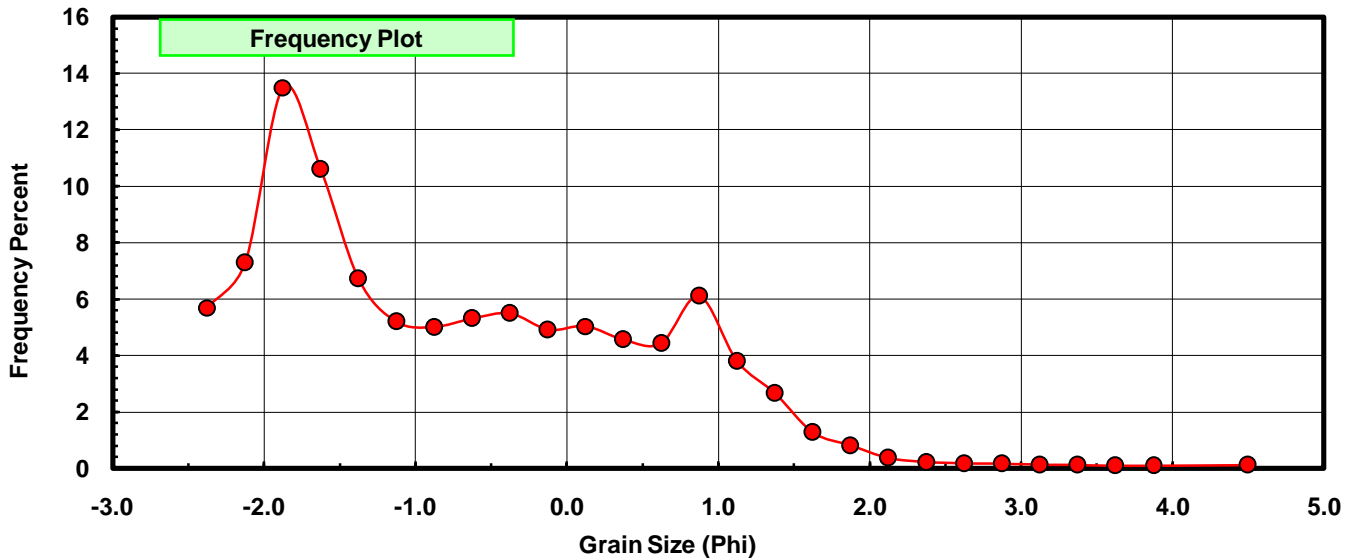
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	1.809	5.696	5.696
-2.00	-2.125	2.318	7.299	12.996
-1.75	-1.875	4.288	13.503	26.498
-1.50	-1.625	3.369	10.609	37.107
-1.25	-1.375	2.134	6.720	43.827
-1.00	-1.125	1.653	5.205	49.032
-0.75	-0.875	1.591	5.010	54.042
-0.50	-0.625	1.688	5.315	59.357
-0.25	-0.375	1.747	5.501	64.858
0.00	-0.125	1.561	4.915	69.774
0.25	0.125	1.600	5.038	74.812
0.50	0.375	1.450	4.566	79.378
0.75	0.625	1.410	4.440	83.818
1.00	0.875	1.942	6.115	89.933
1.25	1.125	1.210	3.810	93.743
1.50	1.375	0.846	2.664	96.407
1.75	1.625	0.405	1.275	97.682
2.00	1.875	0.258	0.812	98.495
2.25	2.125	0.119	0.375	98.870
2.50	2.375	0.071	0.224	99.093
2.75	2.625	0.057	0.179	99.273
3.00	2.875	0.054	0.170	99.443
3.25	3.125	0.040	0.126	99.569
3.50	3.375	0.038	0.120	99.688
3.75	3.625	0.031	0.098	99.786
4.00	3.875	0.030	0.094	99.880
5.00	4.50	0.038	0.120	100.000

Statistical Results			
Mean:	-0.7072	phi	(1.6326 mm)
Standard Dev:	1.2575	phi-units	(0.4183 mm)
Skewness:	0.6312	dimensionless	
Kurtosis:	2.7046	dimensionless	
5th Moment:	5.3924	dimensionless	
6th Moment:	18.3002	dimensionless	
RARD *	1.7782	dimensionless	
Median	-1.0767	phi	(2.1092 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-20

