

Onshore Grab Sample

Sample: MO-05
Sample Taken By: D. Phelps
Sample Collected On: 4/15/10
Splits? N/A

County: Monroe
Latitude: 24° 48' 28.5"
Longitude: 80° 50' 5.5"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	36.79 grams
Total Fines in Sample	0.381 grams
Total Percent Fines	1.02 %

Dry Sieving Summary

Total Sample Weight	36.604 grams
Total Digested Weight	0.800 grams
Total Carbonate Weight	35.804 grams
Total Silica %	2.19 %
Total Carbonate %	97.81 %
Carbonate/Silica Ratio	44.755

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: 36.604 grams

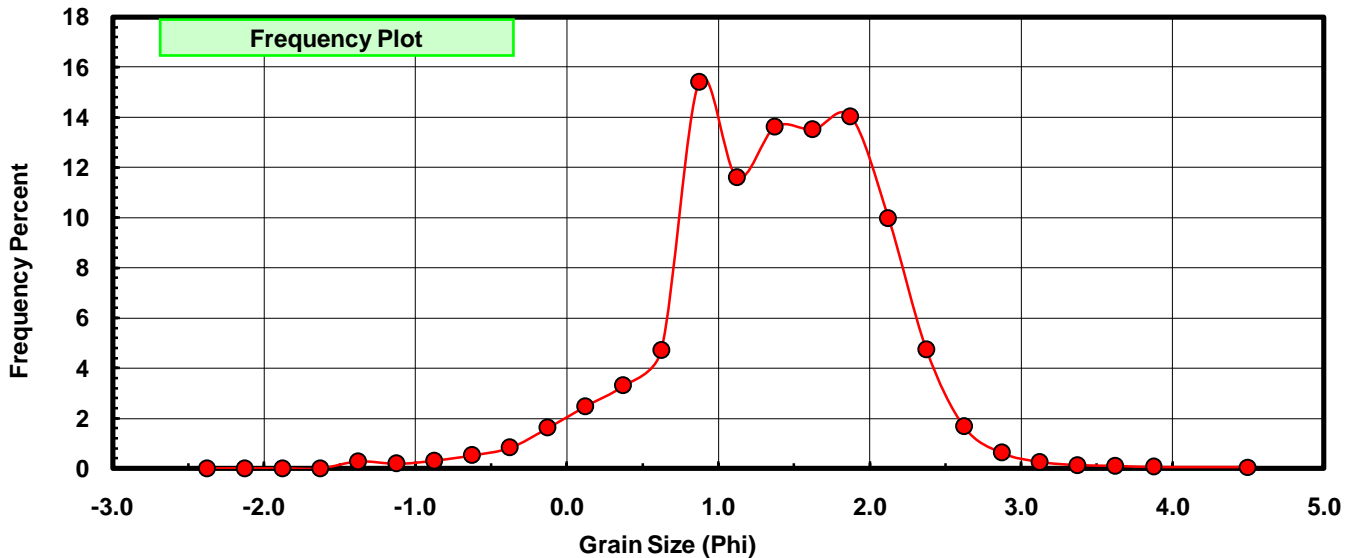
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.100	0.273	0.273
-1.00	-1.125	0.067	0.183	0.456
-0.75	-0.875	0.109	0.298	0.754
-0.50	-0.625	0.191	0.522	1.276
-0.25	-0.375	0.302	0.825	2.101
0.00	-0.125	0.592	1.617	3.718
0.25	0.125	0.906	2.475	6.193
0.50	0.375	1.210	3.306	9.499
0.75	0.625	1.726	4.715	14.214
1.00	0.875	5.642	15.414	29.628
1.25	1.125	4.251	11.613	41.241
1.50	1.375	4.987	13.624	54.866
1.75	1.625	4.948	13.518	68.383
2.00	1.875	5.136	14.031	82.414
2.25	2.125	3.650	9.972	92.386
2.50	2.375	1.738	4.748	97.134
2.75	2.625	0.611	1.669	98.803
3.00	2.875	0.225	0.615	99.418
3.25	3.125	0.093	0.254	99.672
3.50	3.375	0.046	0.126	99.798
3.75	3.625	0.035	0.096	99.893
4.00	3.875	0.020	0.055	99.948
5.00	4.50	0.019	0.052	100.000

Statistical Results			
Mean:	1.3700	phi	(0.3869 mm)
Standard Dev:	0.7075	phi-units	(0.6124 mm)
Skewness:	-0.4456	dimensionless	
Kurtosis:	3.9461	dimensionless	
5th Moment:	-4.5685	dimensionless	
6th Moment:	32.6263	dimensionless	
RARD *	0.5164	dimensionless	
Median	1.2857	phi	(0.4102 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-05

