

Onshore Grab Sample

Sample: MO-21
Sample Taken By: D. Phelps
Sample Collected On: 4/14/10
Splits? N/A

County: Monroe
Latitude: 24° 38' 0"
Longitude: 81° 21' 41"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 38.291 grams
Total Fines in Sample 0.594 grams
Total Percent Fines 1.53 %

Dry Sieving Summary

Total Sample Weight 37.976 grams
Total Digested Weight 0.028 grams
Total Carbonate Weight 37.948 grams
Total Silica % 0.07 %
Total Carbonate % 99.93 %
Carbonate/Silica Ratio 1355.286

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: 37.976 grams

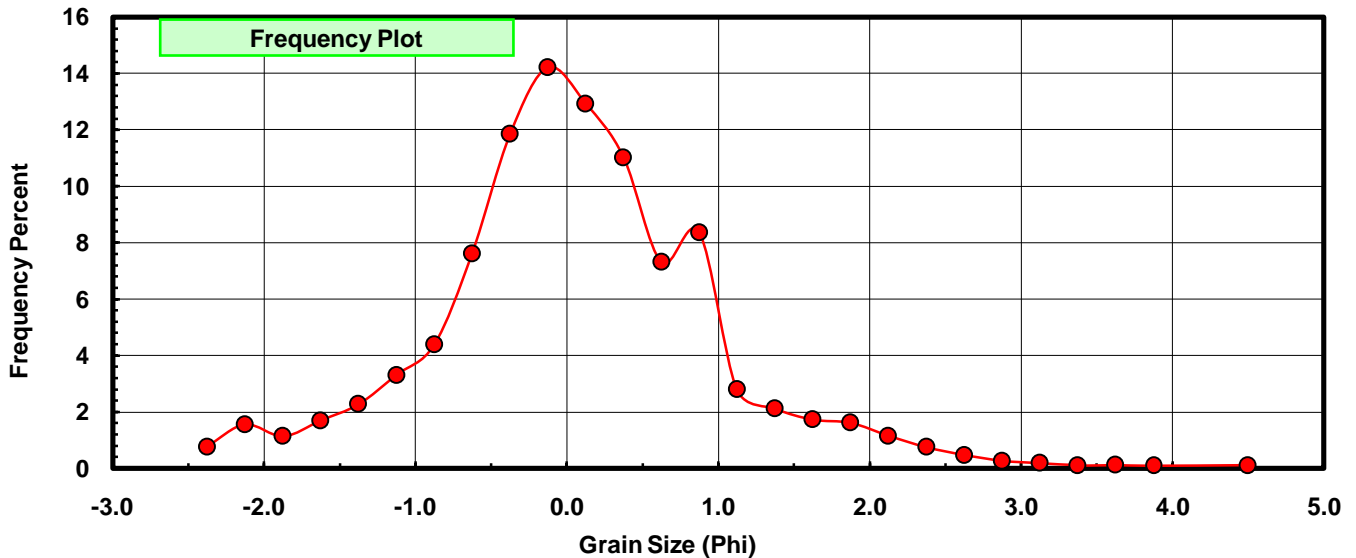
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.291	0.766	0.766
-2.00	-2.125	0.593	1.562	2.328
-1.75	-1.875	0.432	1.138	3.465
-1.50	-1.625	0.645	1.698	5.164
-1.25	-1.375	0.863	2.272	7.436
-1.00	-1.125	1.257	3.310	10.746
-0.75	-0.875	1.665	4.384	15.131
-0.50	-0.625	2.891	7.613	22.743
-0.25	-0.375	4.506	11.865	34.609
0.00	-0.125	5.400	14.220	48.828
0.25	0.125	4.912	12.934	61.763
0.50	0.375	4.188	11.028	72.791
0.75	0.625	2.777	7.313	80.103
1.00	0.875	3.176	8.363	88.466
1.25	1.125	1.061	2.794	91.260
1.50	1.375	0.804	2.117	93.377
1.75	1.625	0.658	1.733	95.110
2.00	1.875	0.616	1.622	96.732
2.25	2.125	0.438	1.153	97.886
2.50	2.375	0.285	0.750	98.636
2.75	2.625	0.179	0.471	99.107
3.00	2.875	0.101	0.266	99.373
3.25	3.125	0.073	0.192	99.566
3.50	3.375	0.043	0.113	99.679
3.75	3.625	0.045	0.118	99.797
4.00	3.875	0.035	0.092	99.889
5.00	4.50	0.042	0.111	100.000

Statistical Results			
Mean:	0.0635	phi	(0.9569 mm)
Standard Dev:	0.9519	phi-units	(0.517 mm)
Skewness:	0.3564	dimensionless	
Kurtosis:	4.3500	dimensionless	
5th Moment:	6.0158	dimensionless	
6th Moment:	37.3887	dimensionless	
RARD *	14.9826	dimensionless	
Median	-0.1024	phi	(1.0735 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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