

Onshore Grab Sample

Sample: MO-19
Sample Taken By: D. Phelps
Sample Collected On: 4/14/10
Splits? N/A

County: Monroe
Latitude: 24° 38' 30.1"
Longitude: 81° 19' 53"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 50.611 grams
Total Fines in Sample 0.377 grams
Total Percent Fines 0.74 %

Dry Sieving Summary

Total Sample Weight 50.362 grams
Total Digested Weight 0.041 grams
Total Carbonate Weight 50.321 grams
Total Silica % 0.08 %
Total Carbonate % 99.92 %
Carbonate/Silica Ratio 1227.341

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: 50.362 grams

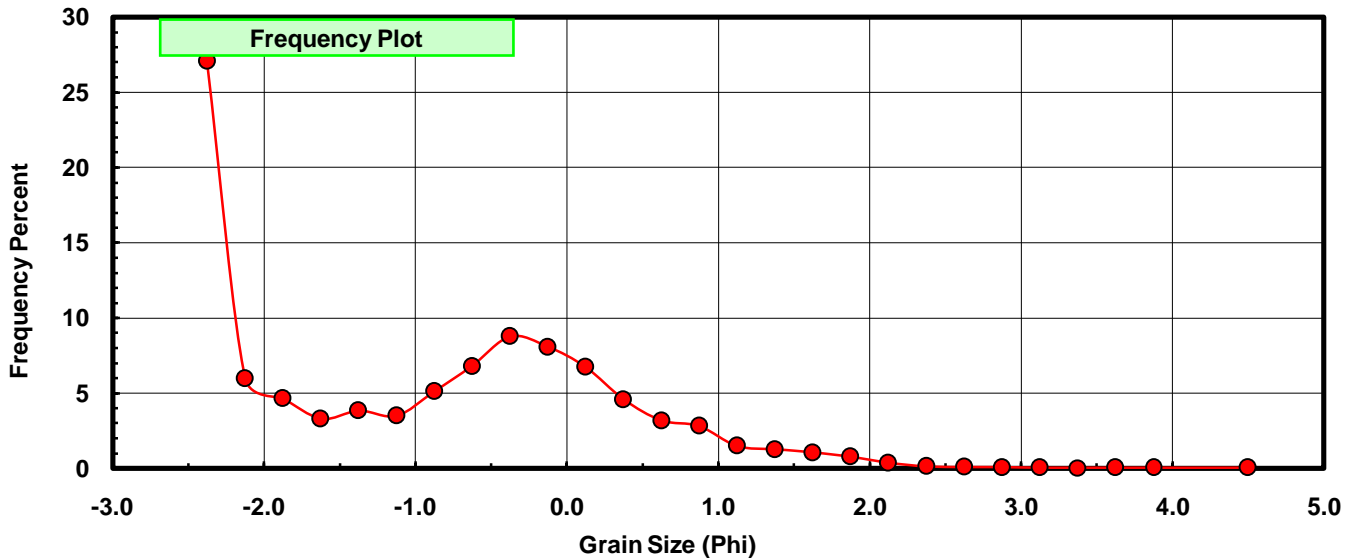
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	13.633	27.070	27.070
-2.00	-2.125	3.008	5.973	33.043
-1.75	-1.875	2.346	4.658	37.701
-1.50	-1.625	1.666	3.308	41.009
-1.25	-1.375	1.932	3.836	44.845
-1.00	-1.125	1.762	3.499	48.344
-0.75	-0.875	2.575	5.113	53.457
-0.50	-0.625	3.427	6.805	60.262
-0.25	-0.375	4.422	8.780	69.042
0.00	-0.125	4.069	8.080	77.122
0.25	0.125	3.397	6.745	83.867
0.50	0.375	2.306	4.579	88.446
0.75	0.625	1.606	3.189	91.635
1.00	0.875	1.424	2.828	94.462
1.25	1.125	0.756	1.501	95.963
1.50	1.375	0.638	1.267	97.230
1.75	1.625	0.536	1.064	98.294
2.00	1.875	0.392	0.778	99.073
2.25	2.125	0.184	0.365	99.438
2.50	2.375	0.075	0.149	99.587
2.75	2.625	0.051	0.101	99.688
3.00	2.875	0.036	0.071	99.760
3.25	3.125	0.025	0.050	99.809
3.50	3.375	0.022	0.044	99.853
3.75	3.625	0.026	0.052	99.905
4.00	3.875	0.024	0.048	99.952
5.00	4.50	0.024	0.048	100.000

Statistical Results			
Mean:	-0.9720	phi	(1.9615 mm)
Standard Dev:	1.2414	phi-units	(0.423 mm)
Skewness:	0.4625	dimensionless	
Kurtosis:	2.4777	dimensionless	
5th Moment:	4.3925	dimensionless	
6th Moment:	15.0776	dimensionless	
RARD *	1.2772	dimensionless	
Median	-1.0440	phi	(2.062 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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