

Onshore Grab Sample

Sample: MO-06
Sample Taken By: D. Phelps
Sample Collected On: 4/15/10
Splits? N/A

County: Monroe
Latitude: 24° 48' 10.7"
Longitude: 80° 50' 56.1"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 47.727 grams
Total Fines in Sample 0.627 grams
Total Percent Fines 1.30 %

Dry Sieving Summary

Total Sample Weight 47.305 grams
Total Digested Weight 0.501 grams
Total Carbonate Weight 46.804 grams
Total Silica % 1.06 %
Total Carbonate % 98.94 %
Carbonate/Silica Ratio 93.421

General Comments:

Not Enough Sample to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: MO-06

Total Sample Mass: 47.305 grams

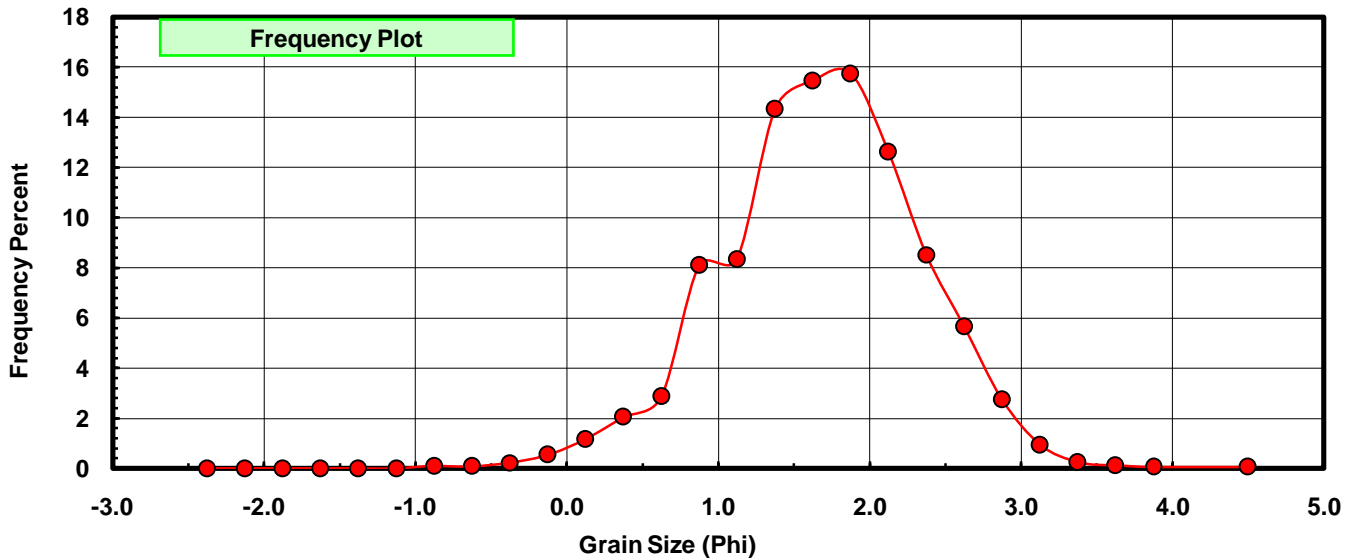
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.043	0.091	0.091
-0.50	-0.625	0.038	0.080	0.171
-0.25	-0.375	0.109	0.230	0.402
0.00	-0.125	0.255	0.539	0.941
0.25	0.125	0.554	1.171	2.112
0.50	0.375	0.968	2.046	4.158
0.75	0.625	1.358	2.871	7.029
1.00	0.875	3.834	8.105	15.134
1.25	1.125	3.945	8.339	23.473
1.50	1.375	6.786	14.345	37.818
1.75	1.625	7.313	15.459	53.278
2.00	1.875	7.449	15.747	69.024
2.25	2.125	5.969	12.618	81.643
2.50	2.375	4.034	8.528	90.170
2.75	2.625	2.678	5.661	95.831
3.00	2.875	1.304	2.757	98.588
3.25	3.125	0.443	0.936	99.524
3.50	3.375	0.117	0.247	99.772
3.75	3.625	0.056	0.118	99.890
4.00	3.875	0.025	0.053	99.943
5.00	4.50	0.027	0.057	100.000

Statistical Results			
Mean:	1.6777	phi	(0.3126 mm)
Standard Dev:	0.6589	phi-units	(0.6334 mm)
Skewness:	-0.1948	dimensionless	
Kurtosis:	3.3543	dimensionless	
5th Moment:	-1.6816	dimensionless	
6th Moment:	21.8107	dimensionless	
RARD *	0.3927	dimensionless	
Median	1.5720	phi	(0.3363 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-06

