

Onshore Grab Sample

Sample: SR-04-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Santa Rosa
Latitude: 30° 23' 9.91"
Longitude: 86° 48' 22.38"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 82.251 grams
Total Fines in Sample 0.020 grams
Total Percent Fines 0.02 %

Dry Sieving Summary

Total Sample Weight 82.176 grams
Total Digested Weight 82.133 grams
Total Carbonate Weight 0.043 grams
Total Silica % 99.95 %
Total Carbonate % 0.05 %
Carbonate/Silica Ratio 0.001

General Comments:

Original Weight (with Beaker): 352.715; Not enough Carbonate Material to run a Post-Digestion Analysis

Description

Worked By: M. Lachance

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

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Total Sample Mass: 82.176 grams

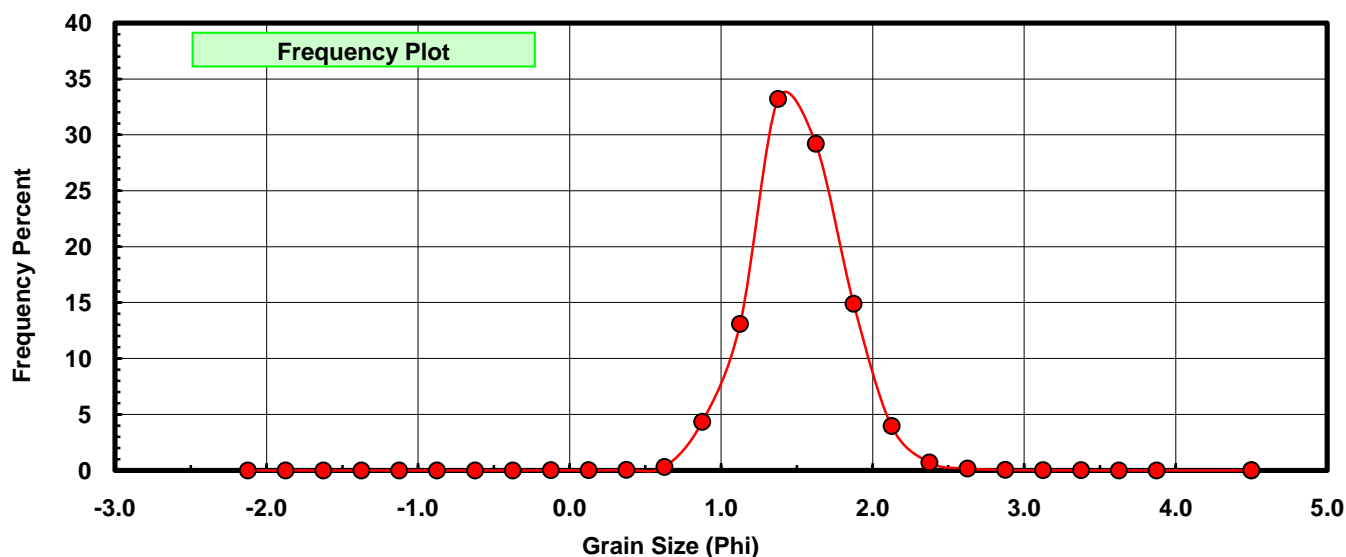
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.006	0.007	0.007
0.25	0.125	0.008	0.010	0.017
0.50	0.375	0.038	0.046	0.063
0.75	0.625	0.259	0.315	0.378
1.00	0.875	3.567	4.341	4.719
1.25	1.125	10.755	13.088	17.807
1.50	1.375	27.282	33.199	51.006
1.75	1.625	23.997	29.202	80.208
2.00	1.875	12.238	14.892	95.101
2.25	2.125	3.253	3.959	99.059
2.50	2.375	0.578	0.703	99.763
2.75	2.625	0.142	0.173	99.936
3.00	2.875	0.032	0.039	99.974
3.25	3.125	0.008	0.010	99.984
3.50	3.375	0.005	0.006	99.990
3.75	3.625	0.002	0.002	99.993
4.00	3.875	0.002	0.002	99.995
5.00	4.500	0.000	0.000	99.995
5.00	4.500	0.004	0.005	100.000

Statistical Results			
Mean:	1.5050	phi	(0.3523 mm)
Standard Dev:	0.3090	phi-units	(0.8072 mm)
Skewness:	0.2080	dimensionless	
Kurtosis:	4.0615	dimensionless	
5th Moment:	7.5313	dimensionless	
6th Moment:	75.8645	dimensionless	
RARD *	0.2053	dimensionless	
Median	1.3674	phi	(0.3876 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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