

Onshore Grab Sample

Sample: SR-04-BB
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 77.247 grams
Total Fines in Sample 0.021 grams
Total Percent Fines 0.03 %

Dry Sieving Summary

Total Sample Weight 77.094 grams
Total Digested Weight 77.030 grams
Total Carbonate Weight 0.064 grams
Total Silica % 99.92 %
Total Carbonate % 0.08 %
Carbonate/Silica Ratio 0.001

General Comments:

Original Weight (with Beaker): 348.735; 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: 77.094 grams

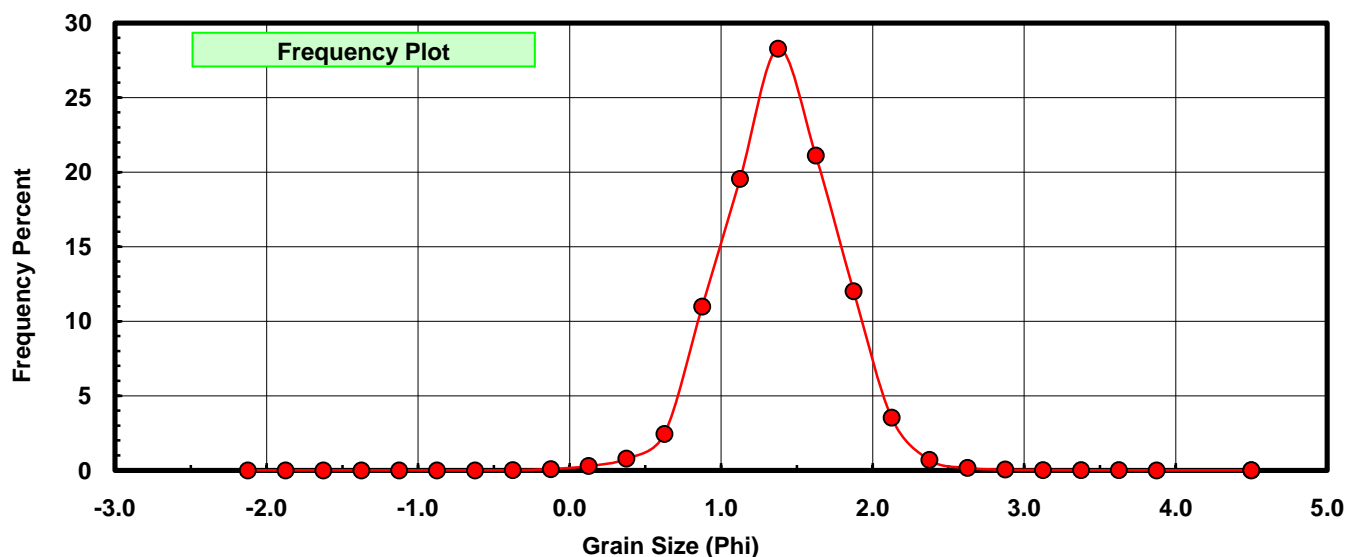
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.007	0.009	0.009
0.00	-0.125	0.067	0.087	0.096
0.25	0.125	0.220	0.285	0.381
0.50	0.375	0.599	0.777	1.158
0.75	0.625	1.876	2.433	3.592
1.00	0.875	8.471	10.988	14.580
1.25	1.125	15.060	19.535	34.114
1.50	1.375	21.798	28.275	62.389
1.75	1.625	16.270	21.104	83.493
2.00	1.875	9.262	12.014	95.507
2.25	2.125	2.732	3.544	99.051
2.50	2.375	0.540	0.700	99.751
2.75	2.625	0.124	0.161	99.912
3.00	2.875	0.036	0.047	99.958
3.25	3.125	0.016	0.021	99.979
3.50	3.375	0.007	0.009	99.988
3.75	3.625	0.003	0.004	99.992
4.00	3.875	0.001	0.001	99.994
5.00	4.500	0.000	0.000	99.994
5.00	4.500	0.005	0.006	100.000

Statistical Results			
Mean:	1.3902	phi	(0.3815 mm)
Standard Dev:	0.3809	phi-units	(0.7679 mm)
Skewness:	-0.0162	dimensionless	
Kurtosis:	3.8056	dimensionless	
5th Moment:	2.1484	dimensionless	
6th Moment:	47.2486	dimensionless	
RARD *	0.2740	dimensionless	
Median	1.2655	phi	(0.416 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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