

Onshore Grab Sample

Sample: SR-04-SS
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 74.417 grams
Total Fines in Sample 0.731 grams
Total Percent Fines 0.97 %

Dry Sieving Summary

Total Sample Weight 73.665 grams
Total Digested Weight 73.491 grams
Total Carbonate Weight 0.174 grams
Total Silica % 99.76 %
Total Carbonate % 0.24 %
Carbonate/Silica Ratio 0.002

General Comments:

Original Weight (with Beaker): 335.188; 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: 73.665 grams

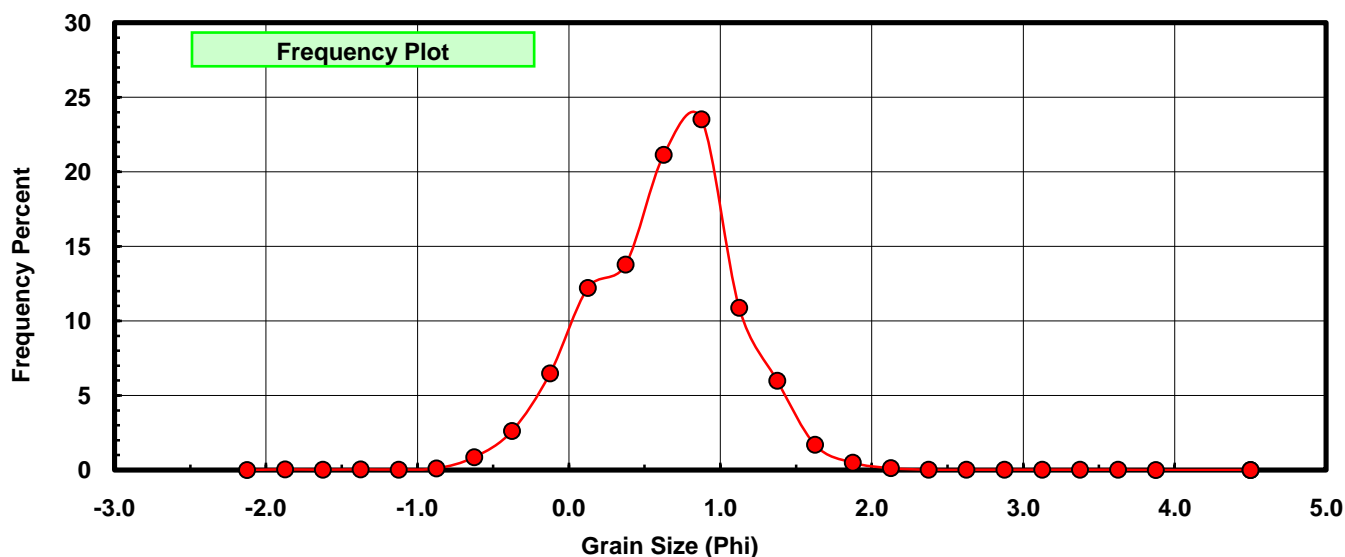
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.026	0.035	0.035
-1.50	-1.625	0.015	0.020	0.056
-1.25	-1.375	0.019	0.026	0.081
-1.00	-1.125	0.013	0.018	0.099
-0.75	-0.875	0.075	0.102	0.201
-0.50	-0.625	0.629	0.854	1.055
-0.25	-0.375	1.917	2.602	3.657
0.00	-0.125	4.771	6.477	10.134
0.25	0.125	9.001	12.219	22.353
0.50	0.375	10.142	13.768	36.120
0.75	0.625	15.570	21.136	57.256
1.00	0.875	17.335	23.532	80.789
1.25	1.125	8.007	10.869	91.658
1.50	1.375	4.409	5.985	97.643
1.75	1.625	1.241	1.685	99.328
2.00	1.875	0.358	0.486	99.814
2.25	2.125	0.091	0.124	99.938
2.50	2.375	0.014	0.019	99.957
2.75	2.625	0.008	0.011	99.967
3.00	2.875	0.006	0.008	99.976
3.25	3.125	0.007	0.010	99.985
3.50	3.375	0.005	0.007	99.992
3.75	3.625	0.003	0.004	99.996
4.00	3.875	0.001	0.001	99.997
5.00	4.500	0.000	0.000	99.997
5.00	4.500	0.002	0.003	100.000

Statistical Results			
Mean:	0.6248	phi	(0.6485 mm)
Standard Dev:	0.4811	phi-units	(0.7165 mm)
Skewness:	-0.1795	dimensionless	
Kurtosis:	3.6198	dimensionless	
5th Moment:	-0.3000	dimensionless	
6th Moment:	40.3159	dimensionless	
RARD *	0.7699	dimensionless	
Median	0.5392	phi	(0.6882 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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