

Onshore Grab Sample

Sample: OA-01-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 18.39"
Longitude: 86° 47' 14.26"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 75.432 grams
Total Fines in Sample 0.799 grams
Total Percent Fines 1.05 %

Dry Sieving Summary

Total Sample Weight 74.609 grams
Total Digested Weight 74.526 grams
Total Carbonate Weight 0.083 grams
Total Silica % 99.89 %
Total Carbonate % 0.11 %
Carbonate/Silica Ratio 0.001

General Comments:

Original Weight (with Beaker): 373.895; 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: 74.609 grams

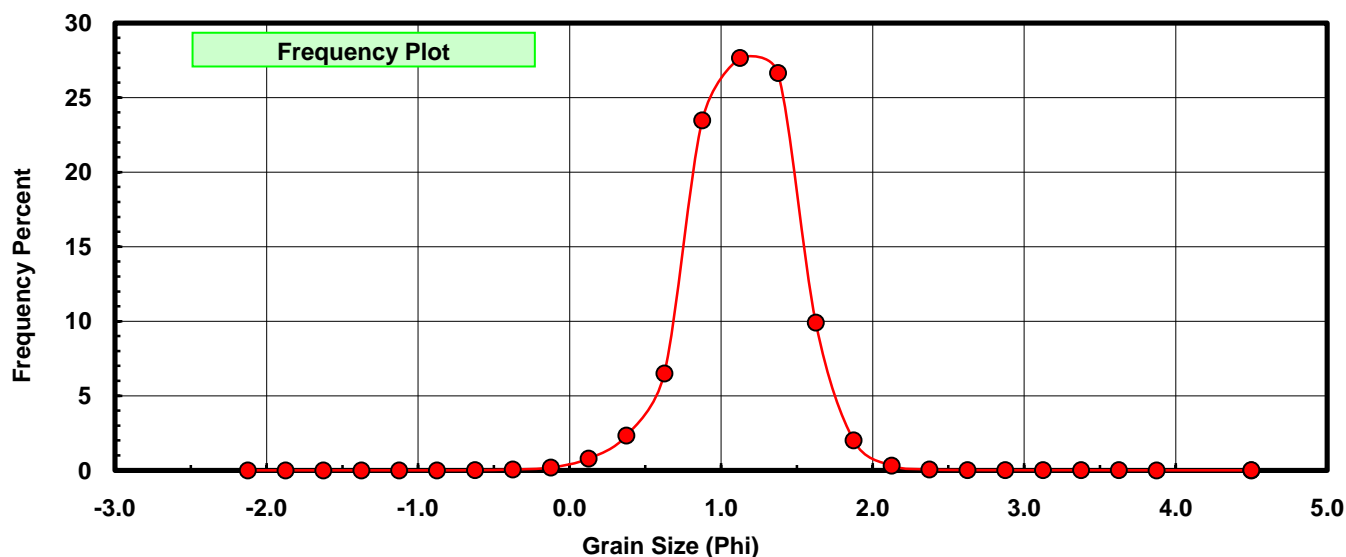
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.006	0.008	0.008
-0.25	-0.375	0.041	0.055	0.063
0.00	-0.125	0.140	0.188	0.251
0.25	0.125	0.586	0.785	1.036
0.50	0.375	1.741	2.333	3.370
0.75	0.625	4.854	6.506	9.875
1.00	0.875	17.513	23.473	33.349
1.25	1.125	20.626	27.645	60.994
1.50	1.375	19.887	26.655	87.649
1.75	1.625	7.392	9.908	97.557
2.00	1.875	1.499	2.009	99.566
2.25	2.125	0.237	0.318	99.883
2.50	2.375	0.045	0.060	99.944
2.75	2.625	0.012	0.016	99.960
3.00	2.875	0.008	0.011	99.971
3.25	3.125	0.004	0.005	99.976
3.50	3.375	0.007	0.009	99.985
3.75	3.625	0.003	0.004	99.989
4.00	3.875	0.002	0.003	99.992
5.00	4.500	0.000	0.000	99.992
5.00	4.50	0.006	0.008	100.000

Statistical Results			
Mean:	1.1415	phi	(0.4533 mm)
Standard Dev:	0.3424	phi-units	(0.7887 mm)
Skewness:	-0.1238	dimensionless	
Kurtosis:	4.8186	dimensionless	
5th Moment:	7.4006	dimensionless	
6th Moment:	123.6859	dimensionless	
RARD *	0.2999	dimensionless	
Median	1.0256	phi	(0.4912 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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