

Onshore Grab Sample

Sample: OA-03-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 24.11"
Longitude: 86° 46' 17.56"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 56.843 grams
Total Fines in Sample 0.010 grams
Total Percent Fines 0.02 %

Dry Sieving Summary

Total Sample Weight 56.763 grams
Total Digested Weight 56.723 grams
Total Carbonate Weight 0.040 grams
Total Silica % 99.93 %
Total Carbonate % 0.07 %
Carbonate/Silica Ratio 0.001

General Comments:

Original Weight (with Beaker): 417.353; 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: 56.763 grams

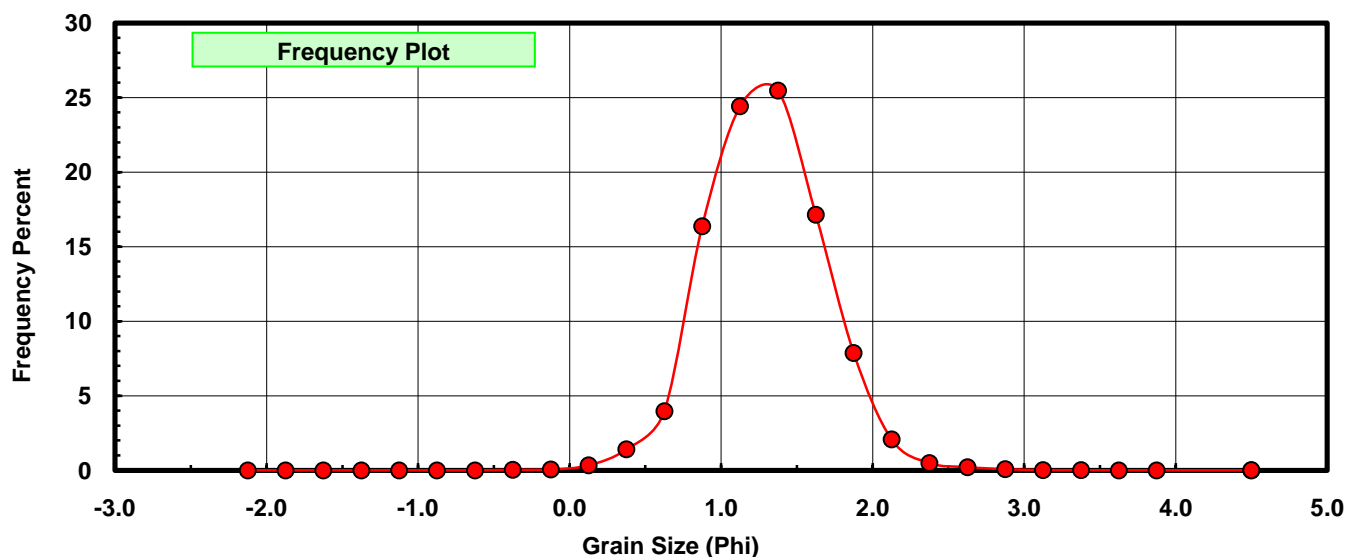
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.019	0.033	0.033
0.00	-0.125	0.033	0.058	0.092
0.25	0.125	0.190	0.335	0.426
0.50	0.375	0.801	1.411	1.837
0.75	0.625	2.253	3.969	5.807
1.00	0.875	9.296	16.377	22.183
1.25	1.125	13.858	24.414	46.597
1.50	1.375	14.459	25.473	72.070
1.75	1.625	9.735	17.150	89.220
2.00	1.875	4.471	7.877	97.097
2.25	2.125	1.182	2.082	99.179
2.50	2.375	0.278	0.490	99.669
2.75	2.625	0.122	0.215	99.884
3.00	2.875	0.045	0.079	99.963
3.25	3.125	0.011	0.019	99.982
3.50	3.375	0.006	0.011	99.993
3.75	3.625	0.001	0.002	99.995
4.00	3.875	0.001	0.002	99.996
5.00	4.500	0.000	0.000	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.2900	phi	(0.409 mm)
Standard Dev:	0.3864	phi-units	(0.765 mm)
Skewness:	0.1609	dimensionless	
Kurtosis:	3.7959	dimensionless	
5th Moment:	3.7145	dimensionless	
6th Moment:	42.3921	dimensionless	
RARD *	0.2996	dimensionless	
Median	1.1584	phi	(0.448 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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