

Onshore Grab Sample

Sample: OA-09-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 45.93"
Longitude: 86° 40' 36.15"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 77.479 grams
Total Fines in Sample 0.031 grams
Total Percent Fines 0.04 %

Dry Sieving Summary

Total Sample Weight 77.351 grams
Total Digested Weight 77.239 grams
Total Carbonate Weight 0.112 grams
Total Silica % 99.86 %
Total Carbonate % 0.14 %
Carbonate/Silica Ratio 0.001

General Comments:

Original Weight (with Beaker): 375.559; 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: 77.351 grams

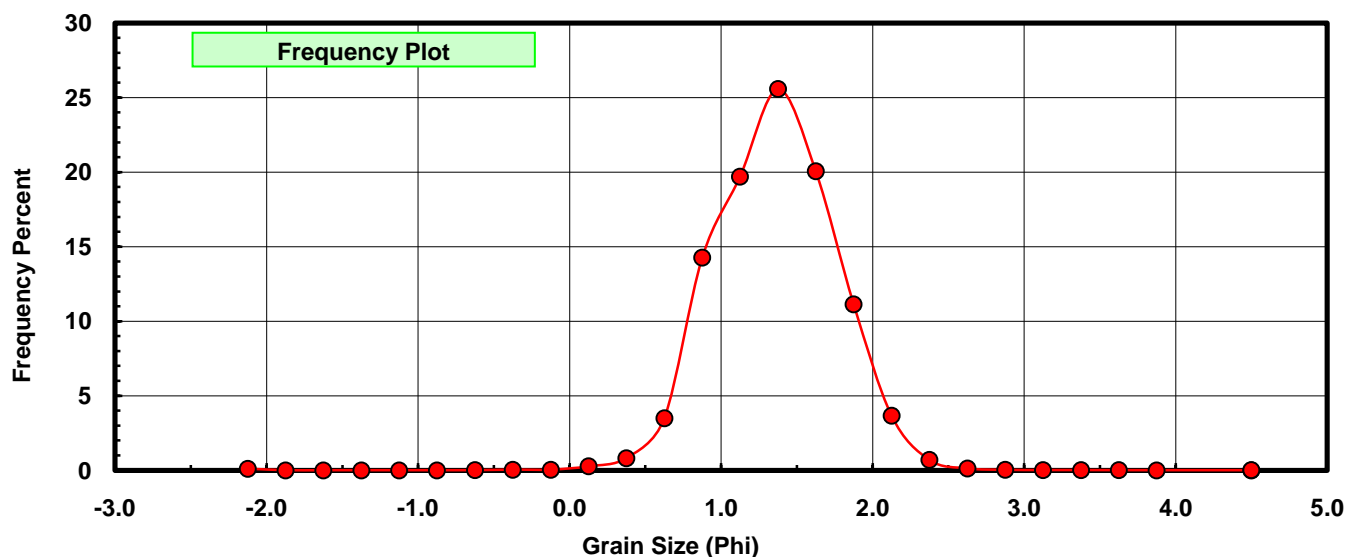
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.080	0.103	0.103
-1.75	-1.875	0.000	0.000	0.103
-1.50	-1.625	0.000	0.000	0.103
-1.25	-1.375	0.000	0.000	0.103
-1.00	-1.125	0.000	0.000	0.103
-0.75	-0.875	0.000	0.000	0.103
-0.50	-0.625	0.003	0.004	0.107
-0.25	-0.375	0.029	0.037	0.145
0.00	-0.125	0.030	0.039	0.184
0.25	0.125	0.202	0.261	0.445
0.50	0.375	0.632	0.817	1.262
0.75	0.625	2.698	3.488	4.750
1.00	0.875	11.026	14.255	19.004
1.25	1.125	15.238	19.700	38.704
1.50	1.375	19.775	25.565	64.269
1.75	1.625	15.513	20.055	84.325
2.00	1.875	8.617	11.140	95.465
2.25	2.125	2.836	3.666	99.131
2.50	2.375	0.534	0.690	99.822
2.75	2.625	0.094	0.122	99.943
3.00	2.875	0.020	0.026	99.969
3.25	3.125	0.008	0.010	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:	1.3548	phi	(0.391 mm)
Standard Dev:	0.4104	phi-units	(0.7524 mm)
Skewness:	-0.5891	dimensionless	
Kurtosis:	8.3408	dimensionless	
5th Moment:	-44.0860	dimensionless	
6th Moment:	420.4847	dimensionless	
RARD *	0.3029	dimensionless	
Median	1.2355	phi	(0.4247 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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