

Onshore Grab Sample

Sample: OA-05-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 35.03"
Longitude: 86° 44' 24.08"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 77.247 grams
Total Fines in Sample 0.012 grams
Total Percent Fines 0.02 %

Dry Sieving Summary

Total Sample Weight 77.182 grams
Total Digested Weight 77.134 grams
Total Carbonate Weight 0.048 grams
Total Silica % 99.94 %
Total Carbonate % 0.06 %
Carbonate/Silica Ratio 0.001

General Comments:

Original Weight (with Beaker): 377.35; 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: 77.182 grams

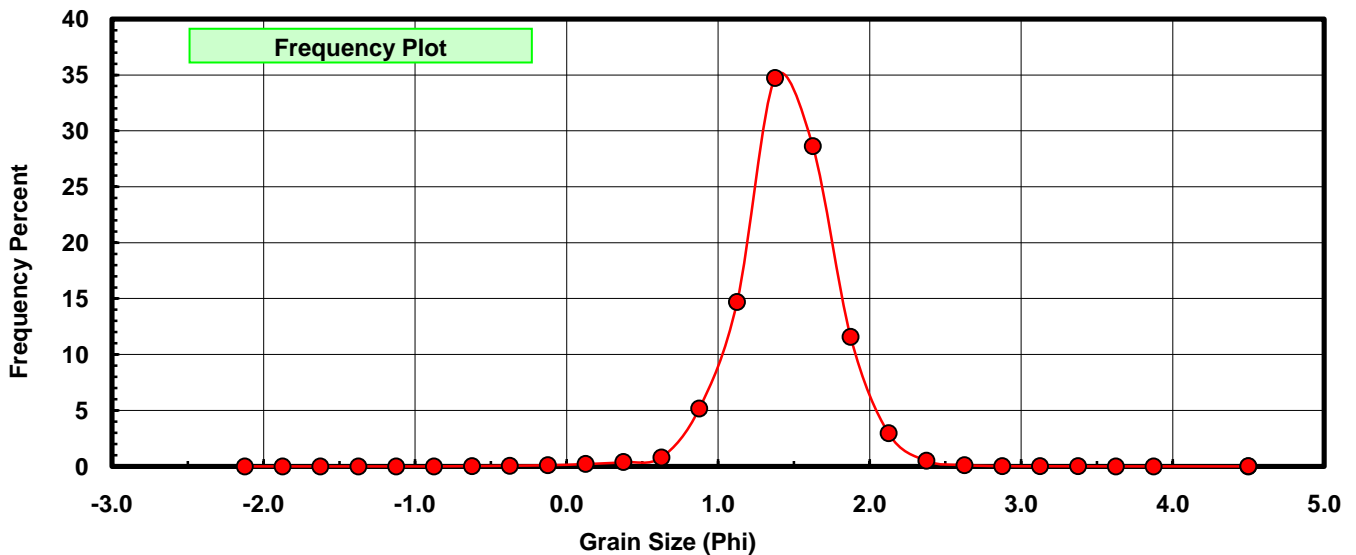
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.019	0.025	0.025
-0.25	-0.375	0.046	0.060	0.084
0.00	-0.125	0.078	0.101	0.185
0.25	0.125	0.160	0.207	0.393
0.50	0.375	0.294	0.381	0.773
0.75	0.625	0.617	0.799	1.573
1.00	0.875	3.981	5.158	6.731
1.25	1.125	11.340	14.693	21.423
1.50	1.375	26.804	34.728	56.152
1.75	1.625	22.105	28.640	84.792
2.00	1.875	8.941	11.584	96.376
2.25	2.125	2.289	2.966	99.342
2.50	2.375	0.382	0.495	99.837
2.75	2.625	0.089	0.115	99.952
3.00	2.875	0.017	0.022	99.974
3.25	3.125	0.008	0.010	99.984
3.50	3.375	0.005	0.006	99.991
3.75	3.625	0.001	0.001	99.992
4.00	3.875	0.001	0.001	99.994
5.00	4.500	0.000	0.000	99.994
5.00	4.50	0.005	0.006	100.000

Statistical Results			
Mean:	1.4561	phi	(0.3645 mm)
Standard Dev:	0.3250	phi-units	(0.7983 mm)
Skewness:	-0.3433	dimensionless	
Kurtosis:	5.9100	dimensionless	
5th Moment:	-5.3462	dimensionless	
6th Moment:	131.1482	dimensionless	
RARD *	0.2232	dimensionless	
Median	1.3307	phi	(0.3976 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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