

Onshore Grab Sample

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

County: Okaloosa
Latitude: 30° 23' 39.87"
Longitude: 86° 43' 27.26"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 70.755 grams
Total Fines in Sample 0.015 grams
Total Percent Fines 0.02 %

Dry Sieving Summary

Total Sample Weight 70.664 grams
Total Digested Weight 70.600 grams
Total Carbonate Weight 0.064 grams
Total Silica % 99.91 %
Total Carbonate % 0.09 %
Carbonate/Silica Ratio 0.001

General Comments:

Original Weight (with Beaker): 355.949; 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: 70.664 grams

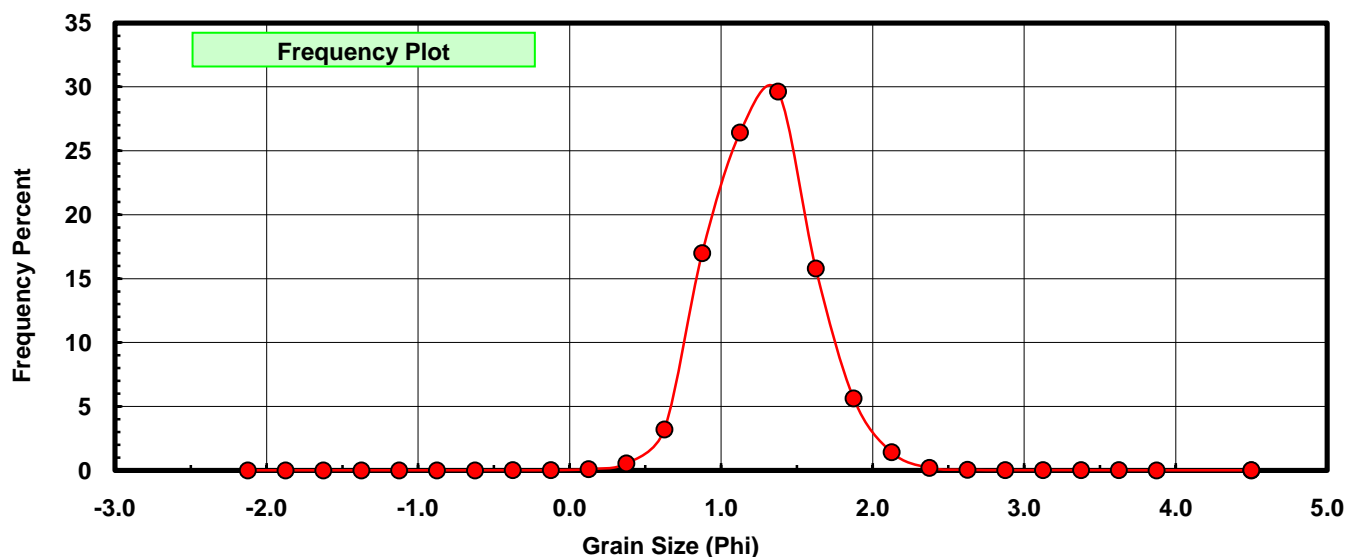
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.004	0.006	0.006
0.00	-0.125	0.004	0.006	0.011
0.25	0.125	0.067	0.095	0.106
0.50	0.375	0.377	0.534	0.640
0.75	0.625	2.256	3.193	3.832
1.00	0.875	12.013	17.000	20.832
1.25	1.125	18.676	26.429	47.262
1.50	1.375	20.950	29.647	76.909
1.75	1.625	11.157	15.789	92.698
2.00	1.875	3.970	5.618	98.316
2.25	2.125	1.000	1.415	99.731
2.50	2.375	0.136	0.192	99.924
2.75	2.625	0.025	0.035	99.959
3.00	2.875	0.006	0.008	99.967
3.25	3.125	0.007	0.010	99.977
3.50	3.375	0.006	0.008	99.986
3.75	3.625	0.004	0.006	99.992
4.00	3.875	0.001	0.001	99.993
5.00	4.500	0.000	0.000	99.993
5.00	4.500	0.005	0.007	100.000

Statistical Results			
Mean:	1.2747	phi	(0.4133 mm)
Standard Dev:	0.3345	phi-units	(0.7931 mm)
Skewness:	0.2784	dimensionless	
Kurtosis:	4.0895	dimensionless	
5th Moment:	10.0960	dimensionless	
6th Moment:	94.0420	dimensionless	
RARD *	0.2624	dimensionless	
Median	1.1481	phi	(0.4512 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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