

Onshore Grab Sample

Sample: OA-20-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 15.72"
Longitude: 86° 31' 11.6"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 61.27 grams
Total Fines in Sample 0.003 grams
Total Percent Fines 0.00 %

Dry Sieving Summary

Total Sample Weight 61.156 grams
Total Digested Weight 61.112 grams
Total Carbonate Weight 0.044 grams
Total Silica % 99.93 %
Total Carbonate % 0.07 %
Carbonate/Silica Ratio 0.001

General Comments:

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: 61.156 grams

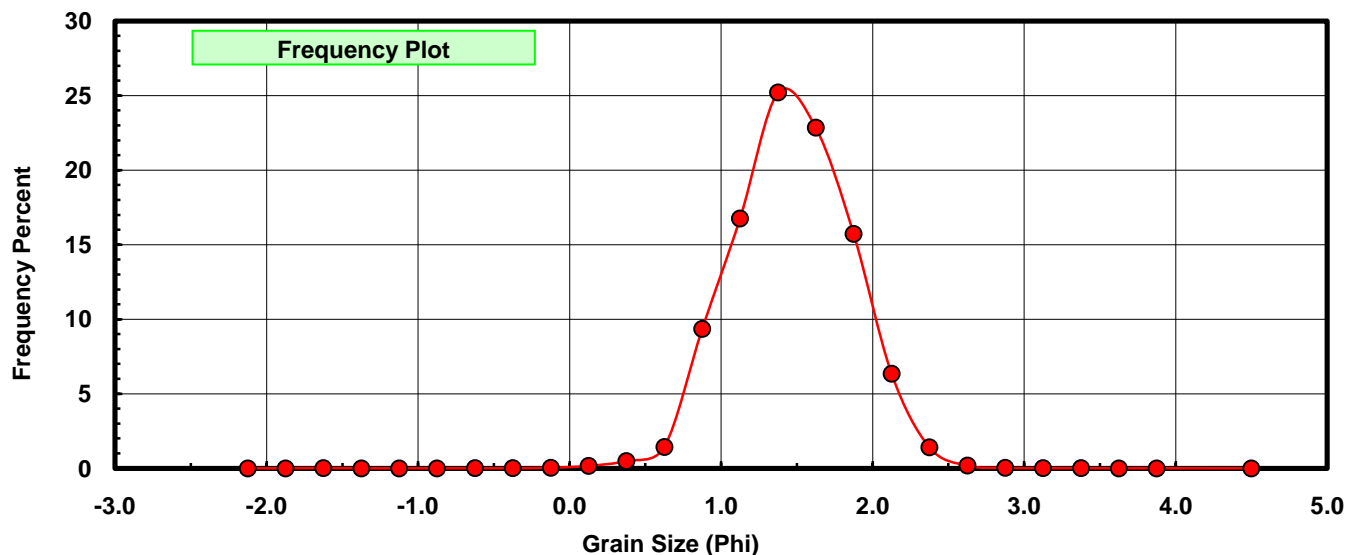
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.010	0.016	0.016
-1.25	-1.375	0.000	0.000	0.016
-1.00	-1.125	0.000	0.000	0.016
-0.75	-0.875	0.000	0.000	0.016
-0.50	-0.625	0.002	0.003	0.020
-0.25	-0.375	0.002	0.003	0.023
0.00	-0.125	0.023	0.038	0.061
0.25	0.125	0.099	0.162	0.222
0.50	0.375	0.301	0.492	0.715
0.75	0.625	0.878	1.436	2.150
1.00	0.875	5.715	9.345	11.495
1.25	1.125	10.250	16.760	28.256
1.50	1.375	15.413	25.203	53.458
1.75	1.625	13.973	22.848	76.306
2.00	1.875	9.612	15.717	92.024
2.25	2.125	3.884	6.351	98.375
2.50	2.375	0.858	1.403	99.778
2.75	2.625	0.107	0.175	99.953
3.00	2.875	0.017	0.028	99.980
3.25	3.125	0.005	0.008	99.989
3.50	3.375	0.004	0.007	99.995
3.75	3.625	0.001	0.002	99.997
4.00	3.875	0.001	0.002	99.998
5.00	4.500	0.000	0.000	99.998
5.00	4.500	0.001	0.002	100.000

Statistical Results			
Mean:	1.4679	phi	(0.3615 mm)
Standard Dev:	0.3916	phi-units	(0.7623 mm)
Skewness:	-0.1199	dimensionless	
Kurtosis:	3.7007	dimensionless	
5th Moment:	-5.3370	dimensionless	
6th Moment:	62.8882	dimensionless	
RARD *	0.2668	dimensionless	
Median	1.3407	phi	(0.3948 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)



OA-20-MB

