

Onshore Grab Sample

Sample: OA-15-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 37.27"
Longitude: 86° 35' 8.42"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 74.431 grams
Total Fines in Sample 0.053 grams
Total Percent Fines 0.07 %

Dry Sieving Summary

Total Sample Weight 74.338 grams
Total Digested Weight 74.288 grams
Total Carbonate Weight 0.050 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: 74.338 grams

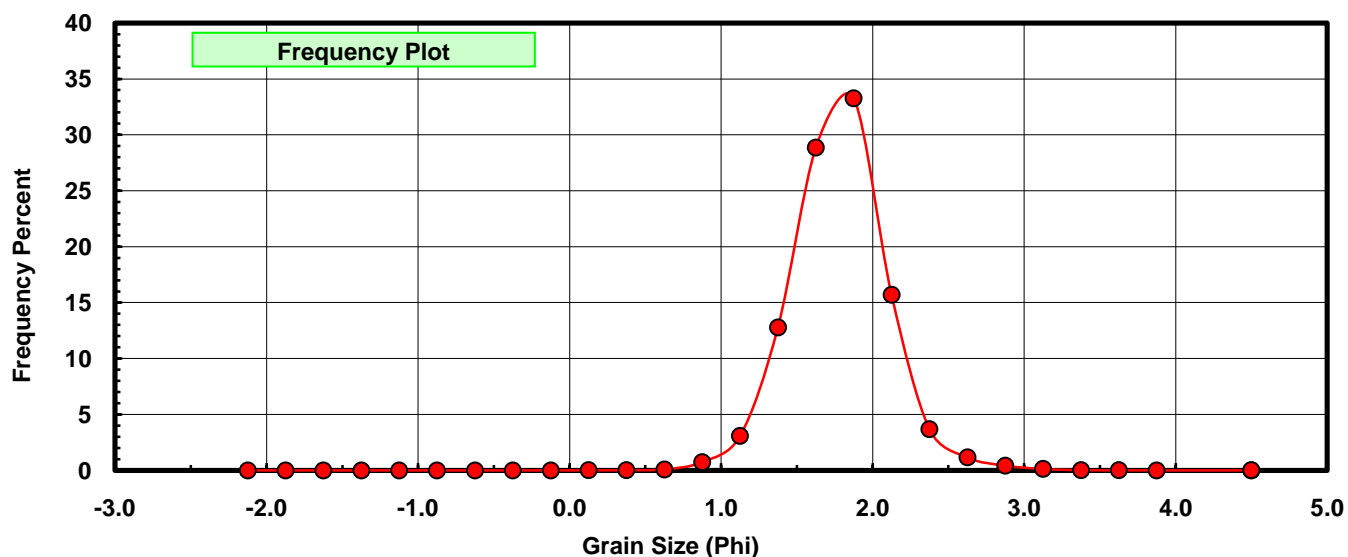
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.004	0.005	0.005
0.50	0.375	0.013	0.017	0.023
0.75	0.625	0.066	0.089	0.112
1.00	0.875	0.554	0.745	0.857
1.25	1.125	2.291	3.082	3.939
1.50	1.375	9.508	12.790	16.729
1.75	1.625	21.448	28.852	45.581
2.00	1.875	24.731	33.268	78.849
2.25	2.125	11.678	15.709	94.559
2.50	2.375	2.745	3.693	98.251
2.75	2.625	0.864	1.162	99.413
3.00	2.875	0.316	0.425	99.839
3.25	3.125	0.093	0.125	99.964
3.50	3.375	0.017	0.023	99.987
3.75	3.625	0.005	0.007	99.993
4.00	3.875	0.001	0.001	99.995
5.00	4.500	0.000	0.000	99.995
5.00	4.50	0.004	0.005	100.000

Statistical Results			
Mean:	1.7798	phi	(0.2912 mm)
Standard Dev:	0.3194	phi-units	(0.8014 mm)
Skewness:	0.2154	dimensionless	
Kurtosis:	4.4270	dimensionless	
5th Moment:	6.1100	dimensionless	
6th Moment:	59.1464	dimensionless	
RARD *	0.1794	dimensionless	
Median	1.6582	phi	(0.3168 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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