

Onshore Grab Sample

Sample: OA-22-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/12/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 2.52"
Longitude: 86° 28' 46.86"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 65.601 grams
Total Fines in Sample 0.026 grams
Total Percent Fines 0.04 %

Dry Sieving Summary

Total Sample Weight 65.525 grams
Total Digested Weight 65.466 grams
Total Carbonate Weight 0.059 grams
Total Silica % 99.91 %
Total Carbonate % 0.09 %
Carbonate/Silica Ratio 0.001

General Comments:

-2.00 phi: Organics Only; 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: 65.525 grams

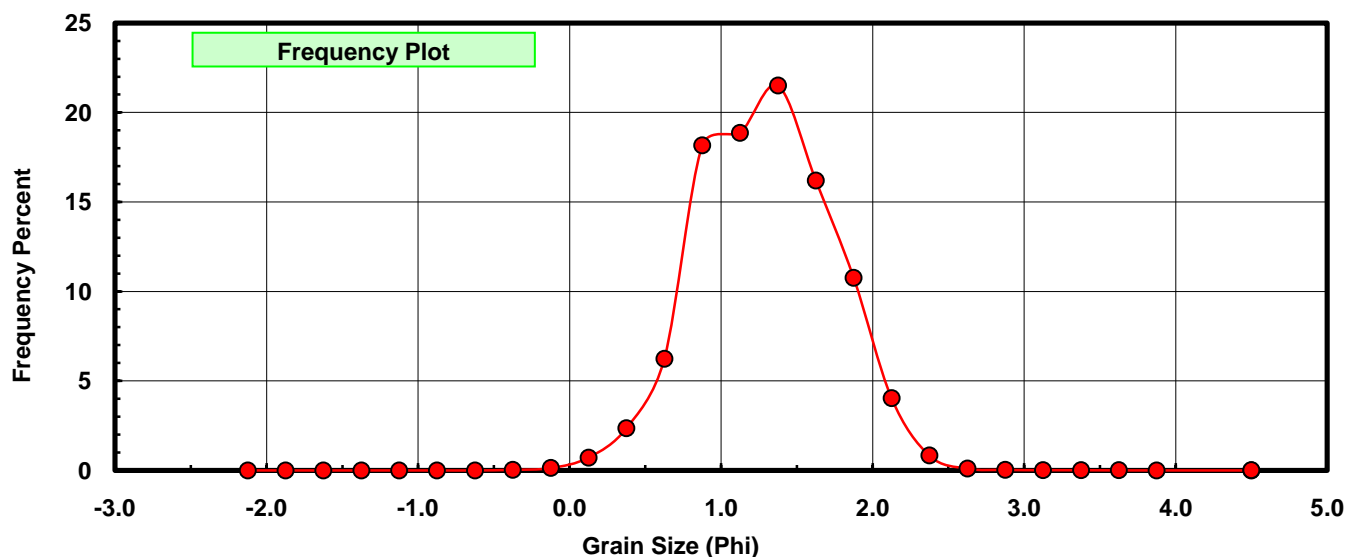
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.001	0.002	0.002
-1.75	-1.875	0.000	0.000	0.002
-1.50	-1.625	0.000	0.000	0.002
-1.25	-1.375	0.000	0.000	0.002
-1.00	-1.125	0.000	0.000	0.002
-0.75	-0.875	0.000	0.000	0.002
-0.50	-0.625	0.000	0.000	0.002
-0.25	-0.375	0.021	0.032	0.034
0.00	-0.125	0.086	0.131	0.165
0.25	0.125	0.470	0.717	0.882
0.50	0.375	1.548	2.362	3.245
0.75	0.625	4.085	6.234	9.479
1.00	0.875	11.897	18.156	27.635
1.25	1.125	12.357	18.858	46.494
1.50	1.375	14.088	21.500	67.994
1.75	1.625	10.618	16.205	84.198
2.00	1.875	7.056	10.768	94.967
2.25	2.125	2.650	4.044	99.011
2.50	2.375	0.542	0.827	99.838
2.75	2.625	0.064	0.098	99.936
3.00	2.875	0.018	0.027	99.963
3.25	3.125	0.009	0.014	99.977
3.50	3.375	0.007	0.011	99.988
3.75	3.625	0.002	0.003	99.991
4.00	3.875	0.001	0.002	99.992
5.00	4.500	0.000	0.000	99.992
5.00	4.50	0.005	0.008	100.000

Statistical Results			
Mean:	1.2905	phi	(0.4088 mm)
Standard Dev:	0.4463	phi-units	(0.7339 mm)
Skewness:	0.0296	dimensionless	
Kurtosis:	3.1023	dimensionless	
5th Moment:	1.1987	dimensionless	
6th Moment:	29.3426	dimensionless	
RARD *	0.3458	dimensionless	
Median	1.1658	phi	(0.4457 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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