

Onshore Grab Sample

Sample: OA-23-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/12/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 5.51"
Longitude: 86° 27' 45.26"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 82.56 grams
Total Fines in Sample 0.703 grams
Total Percent Fines 0.84 %

Dry Sieving Summary

Total Sample Weight 81.780 grams
Total Digested Weight 81.734 grams
Total Carbonate Weight 0.046 grams
Total Silica % 99.94 %
Total Carbonate % 0.06 %
Carbonate/Silica Ratio 0.001

General Comments:

-1.00 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: 81.780 grams

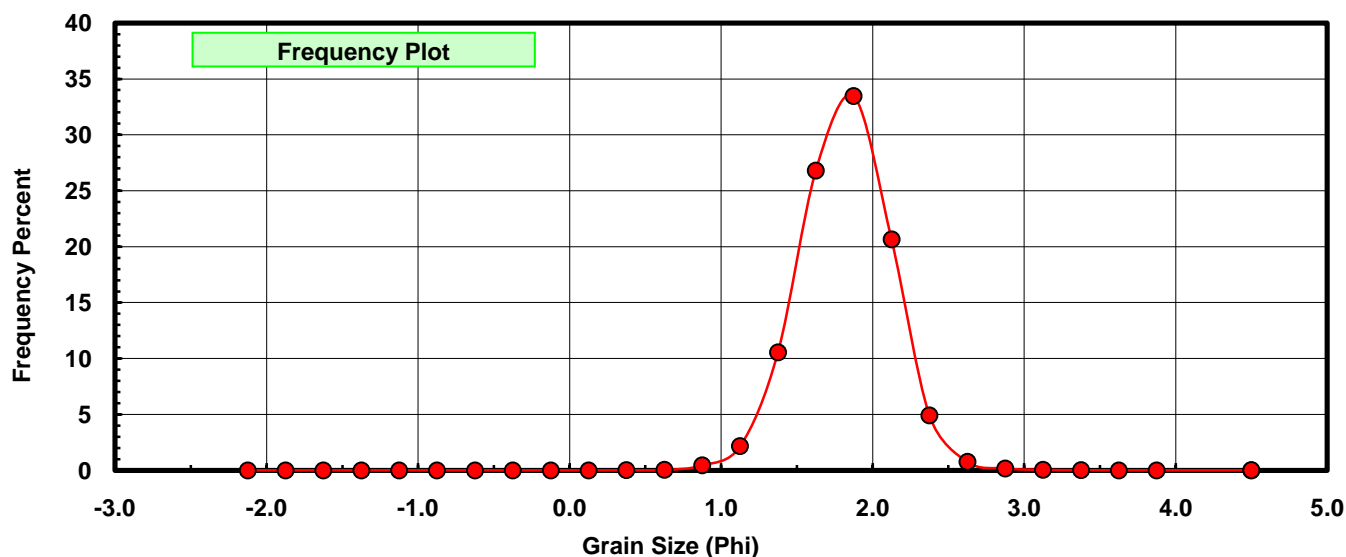
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.003	0.004	0.004
-0.75	-0.875	0.000	0.000	0.004
-0.50	-0.625	0.000	0.000	0.004
-0.25	-0.375	0.000	0.000	0.004
0.00	-0.125	0.000	0.000	0.004
0.25	0.125	0.000	0.000	0.004
0.50	0.375	0.005	0.006	0.010
0.75	0.625	0.030	0.037	0.046
1.00	0.875	0.355	0.434	0.481
1.25	1.125	1.759	2.151	2.631
1.50	1.375	8.628	10.550	13.182
1.75	1.625	21.916	26.799	39.980
2.00	1.875	27.363	33.459	73.440
2.25	2.125	16.884	20.646	94.085
2.50	2.375	4.027	4.924	99.010
2.75	2.625	0.618	0.756	99.765
3.00	2.875	0.139	0.170	99.935
3.25	3.125	0.035	0.043	99.978
3.50	3.375	0.011	0.013	99.991
3.75	3.625	0.001	0.001	99.993
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:	1.8187	phi	(0.2835 mm)
Standard Dev:	0.3020	phi-units	(0.8111 mm)
Skewness:	-0.0174	dimensionless	
Kurtosis:	4.1448	dimensionless	
5th Moment:	0.8216	dimensionless	
6th Moment:	88.0336	dimensionless	
RARD *	0.1660	dimensionless	
Median	1.6999	phi	(0.3078 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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