

Onshore Grab Sample

Sample: OA-24-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/12/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 0.77"
Longitude: 86° 26' 48.47"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 74.565 grams
Total Fines in Sample 0.663 grams
Total Percent Fines 0.88 %

Dry Sieving Summary

Total Sample Weight 73.825 grams
Total Digested Weight 73.788 grams
Total Carbonate Weight 0.037 grams
Total Silica % 99.95 %
Total Carbonate % 0.05 %
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: 73.825 grams

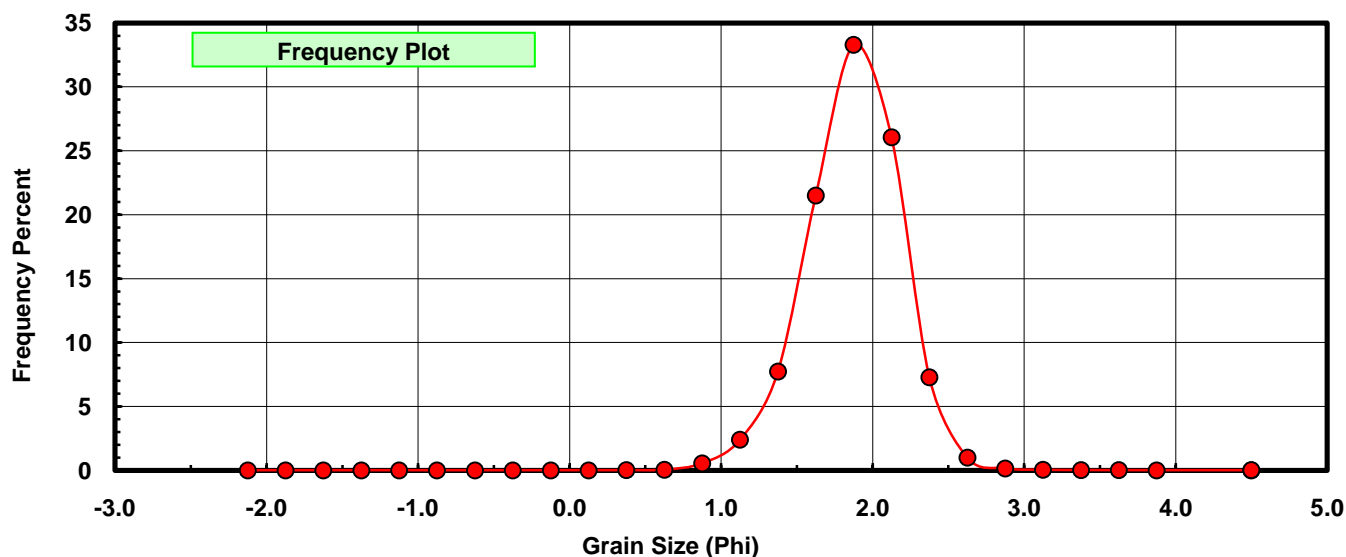
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.002	0.003	0.003
0.50	0.375	0.004	0.005	0.008
0.75	0.625	0.033	0.045	0.053
1.00	0.875	0.397	0.538	0.591
1.25	1.125	1.763	2.388	2.979
1.50	1.375	5.701	7.722	10.701
1.75	1.625	15.880	21.510	32.211
2.00	1.875	24.571	33.283	65.494
2.25	2.125	19.230	26.048	91.542
2.50	2.375	5.364	7.266	98.808
2.75	2.625	0.729	0.987	99.795
3.00	2.875	0.108	0.146	99.942
3.25	3.125	0.025	0.034	99.976
3.50	3.375	0.009	0.012	99.988
3.75	3.625	0.003	0.004	99.992
4.00	3.875	0.002	0.003	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:	1.8698	phi	(0.2736 mm)
Standard Dev:	0.3108	phi-units	(0.8062 mm)
Skewness:	-0.2336	dimensionless	
Kurtosis:	3.8051	dimensionless	
5th Moment:	0.5580	dimensionless	
6th Moment:	46.9269	dimensionless	
RARD *	0.1662	dimensionless	
Median	1.7586	phi	(0.2955 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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