

Onshore Grab Sample

Sample: OA-16-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 35.61"
Longitude: 86° 34' 47.19"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 63.277 grams
Total Fines in Sample 0.627 grams
Total Percent Fines 0.98 %

Dry Sieving Summary

Total Sample Weight 62.636 grams
Total Digested Weight 62.558 grams
Total Carbonate Weight 0.078 grams
Total Silica % 99.88 %
Total Carbonate % 0.12 %
Carbonate/Silica Ratio 0.001

General Comments:

-1.75 phi: clam shell; 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: 62.636 grams

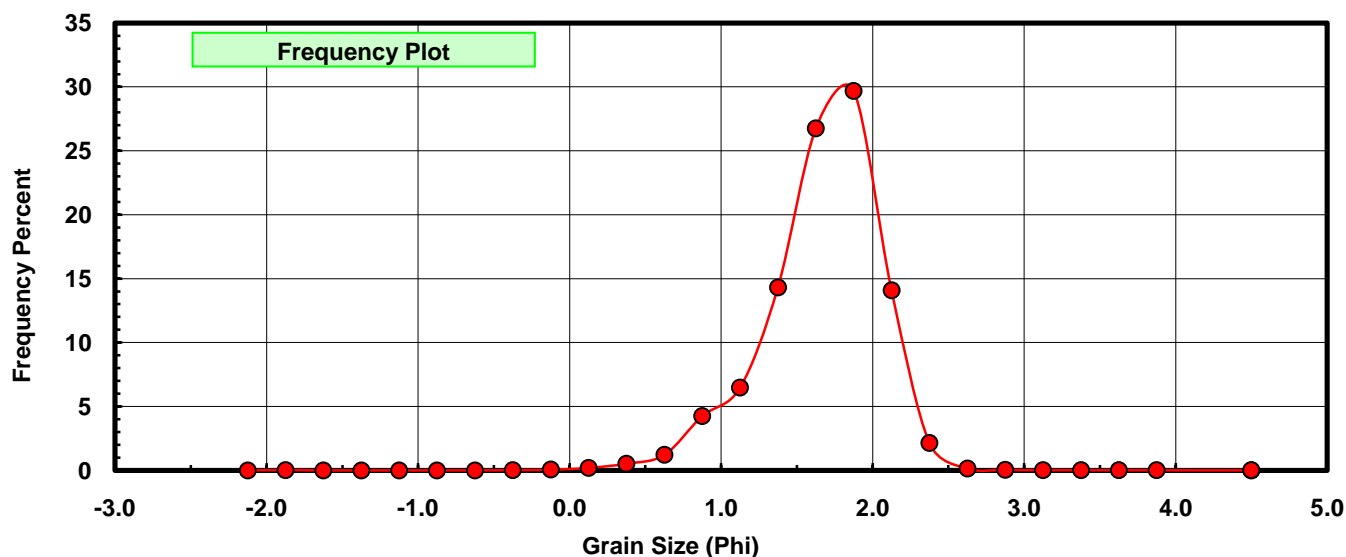
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.016	0.026	0.026
-1.50	-1.625	0.000	0.000	0.026
-1.25	-1.375	0.000	0.000	0.026
-1.00	-1.125	0.000	0.000	0.026
-0.75	-0.875	0.000	0.000	0.026
-0.50	-0.625	0.000	0.000	0.026
-0.25	-0.375	0.010	0.016	0.042
0.00	-0.125	0.034	0.054	0.096
0.25	0.125	0.118	0.188	0.284
0.50	0.375	0.329	0.525	0.809
0.75	0.625	0.756	1.207	2.016
1.00	0.875	2.663	4.252	6.268
1.25	1.125	4.054	6.472	12.740
1.50	1.375	8.971	14.322	27.063
1.75	1.625	16.762	26.761	53.824
2.00	1.875	18.600	29.695	83.519
2.25	2.125	8.828	14.094	97.613
2.50	2.375	1.344	2.146	99.759
2.75	2.625	0.092	0.147	99.906
3.00	2.875	0.023	0.037	99.943
3.25	3.125	0.010	0.016	99.958
3.50	3.375	0.010	0.016	99.974
3.75	3.625	0.006	0.010	99.984
4.00	3.875	0.005	0.008	99.992
5.00	4.500	0.000	0.000	99.992
5.00	4.500	0.005	0.008	100.000

Statistical Results			
Mean:	1.6652	phi	(0.3153 mm)
Standard Dev:	0.3873	phi-units	(0.7646 mm)
Skewness:	-0.9007	dimensionless	
Kurtosis:	6.1339	dimensionless	
5th Moment:	-22.1446	dimensionless	
6th Moment:	203.9499	dimensionless	
RARD *	0.2326	dimensionless	
Median	1.5893	phi	(0.3323 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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