

Onshore Grab Sample

Sample: OA-09-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 45.93"
Longitude: 86° 40' 36.15"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 54.14 grams
Total Fines in Sample 0.547 grams
Total Percent Fines 1.00 %

Dry Sieving Summary

Total Sample Weight 57.213 grams
Total Digested Weight 53.419 grams
Total Carbonate Weight 3.794 grams
Total Silica % 93.37 %
Total Carbonate % 6.63 %
Carbonate/Silica Ratio 0.071

General Comments:

Original Weight (with Beaker): 314.016; 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: 57.213 grams

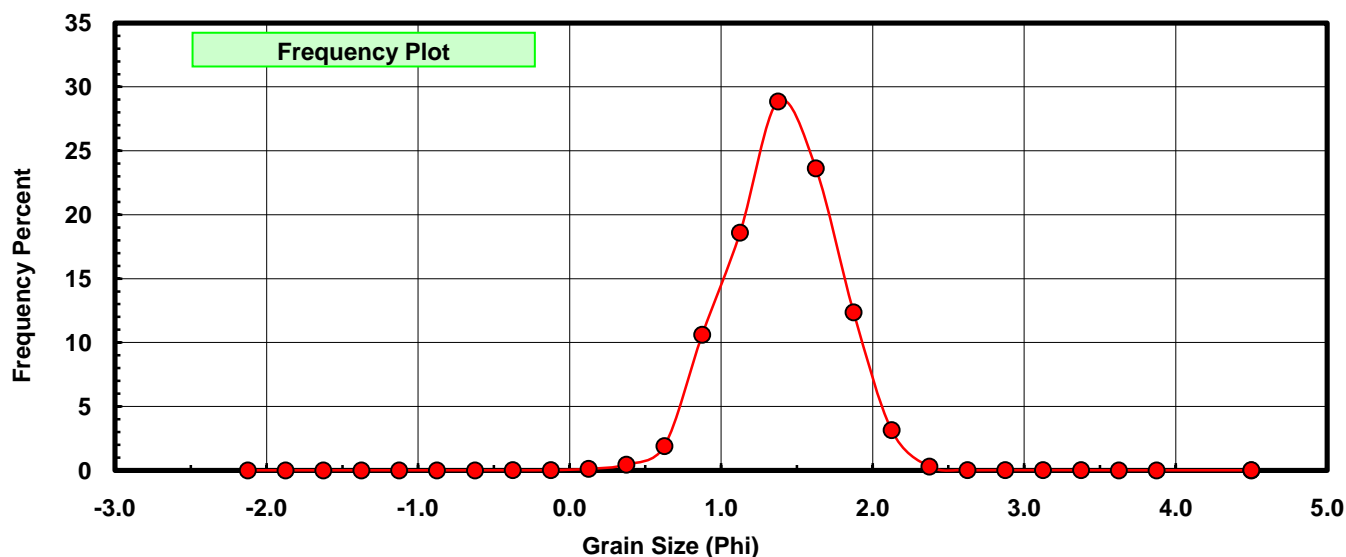
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.003	0.005	0.005
0.00	-0.125	0.006	0.010	0.016
0.25	0.125	0.064	0.112	0.128
0.50	0.375	0.256	0.447	0.575
0.75	0.625	1.084	1.895	2.470
1.00	0.875	6.067	10.604	13.074
1.25	1.125	10.633	18.585	31.659
1.50	1.375	16.510	28.857	60.516
1.75	1.625	13.524	23.638	84.154
2.00	1.875	7.067	12.352	96.506
2.25	2.125	1.801	3.148	99.654
2.50	2.375	0.162	0.283	99.937
2.75	2.625	0.015	0.026	99.963
3.00	2.875	0.006	0.010	99.974
3.25	3.125	0.005	0.009	99.983
3.50	3.375	0.004	0.007	99.990
3.75	3.625	0.002	0.003	99.993
4.00	3.875	0.001	0.002	99.995
5.00	4.500	0.000	0.000	99.995
5.00	4.500	0.003	0.005	100.000

Statistical Results			
Mean:	1.4035	phi	(0.378 mm)
Standard Dev:	0.3535	phi-units	(0.7827 mm)
Skewness:	-0.0593	dimensionless	
Kurtosis:	3.4153	dimensionless	
5th Moment:	2.5795	dimensionless	
6th Moment:	47.3251	dimensionless	
RARD *	0.2519	dimensionless	
Median	1.2839	phi	(0.4107 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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