

Onshore Grab Sample

Sample: OA-03-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 24.11"
Longitude: 86° 46' 17.56"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 56.97 grams
Total Fines in Sample 0.518 grams
Total Percent Fines 0.90 %

Dry Sieving Summary

Total Sample Weight 56.439 grams
Total Digested Weight 56.182 grams
Total Carbonate Weight 0.257 grams
Total Silica % 99.54 %
Total Carbonate % 0.46 %
Carbonate/Silica Ratio 0.005

General Comments:

Original Weight (with Beaker): 333.135; 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: 56.439 grams

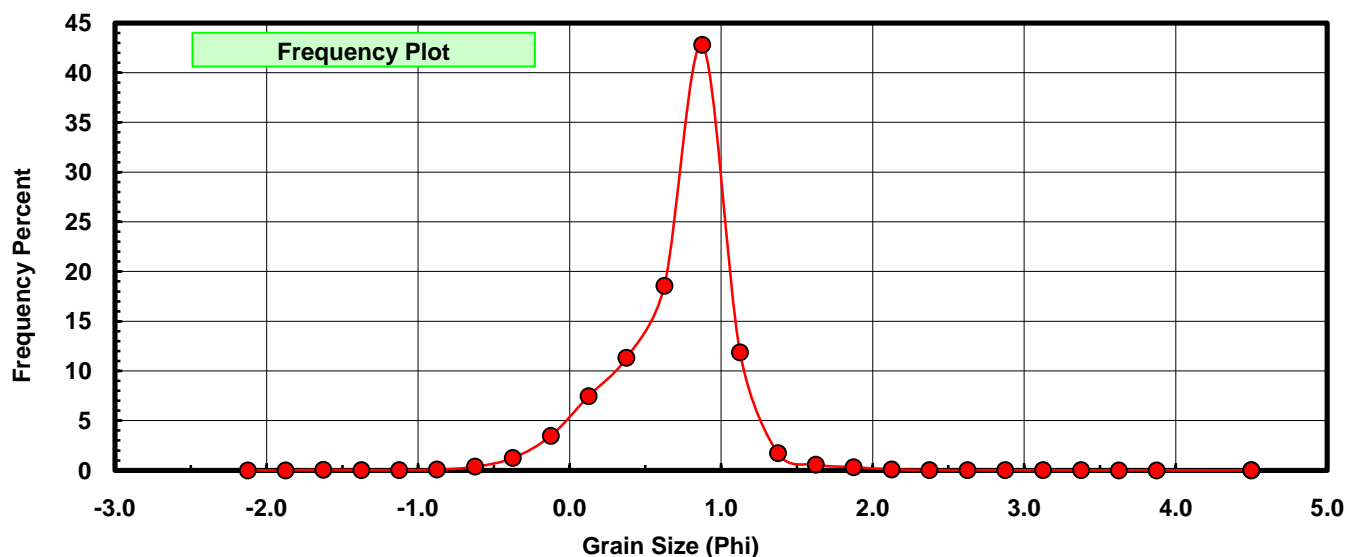
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.032	0.057	0.057
-1.25	-1.375	0.011	0.019	0.076
-1.00	-1.125	0.011	0.019	0.096
-0.75	-0.875	0.040	0.071	0.167
-0.50	-0.625	0.204	0.361	0.528
-0.25	-0.375	0.699	1.239	1.767
0.00	-0.125	1.955	3.464	5.230
0.25	0.125	4.214	7.466	12.697
0.50	0.375	6.383	11.310	24.006
0.75	0.625	10.474	18.558	42.565
1.00	0.875	24.154	42.797	85.361
1.25	1.125	6.694	11.861	97.222
1.50	1.375	0.969	1.717	98.939
1.75	1.625	0.321	0.569	99.507
2.00	1.875	0.178	0.315	99.823
2.25	2.125	0.057	0.101	99.924
2.50	2.375	0.018	0.032	99.956
2.75	2.625	0.007	0.012	99.968
3.00	2.875	0.005	0.009	99.977
3.25	3.125	0.004	0.007	99.984
3.50	3.375	0.004	0.007	99.991
3.75	3.625	0.001	0.002	99.993
4.00	3.875	0.001	0.002	99.995
5.00	4.500	0.000	0.000	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	0.7055	phi	(0.6133 mm)
Standard Dev:	0.3850	phi-units	(0.7658 mm)
Skewness:	-0.6741	dimensionless	
Kurtosis:	5.9899	dimensionless	
5th Moment:	-1.3459	dimensionless	
6th Moment:	140.9292	dimensionless	
RARD *	0.5458	dimensionless	
Median	0.6684	phi	(0.6292 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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