

Onshore Grab Sample

Sample: OA-10-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 47.74"
Longitude: 86° 39' 39.10"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 80.79 grams
Total Fines in Sample 0.849 grams
Total Percent Fines 1.04 %

Dry Sieving Summary

Total Sample Weight 79.882 grams
Total Digested Weight 79.812 grams
Total Carbonate Weight 0.070 grams
Total Silica % 99.91 %
Total Carbonate % 0.09 %
Carbonate/Silica Ratio 0.001

General Comments:

Original Weight (with Beaker): 360.696; 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: 79.882 grams

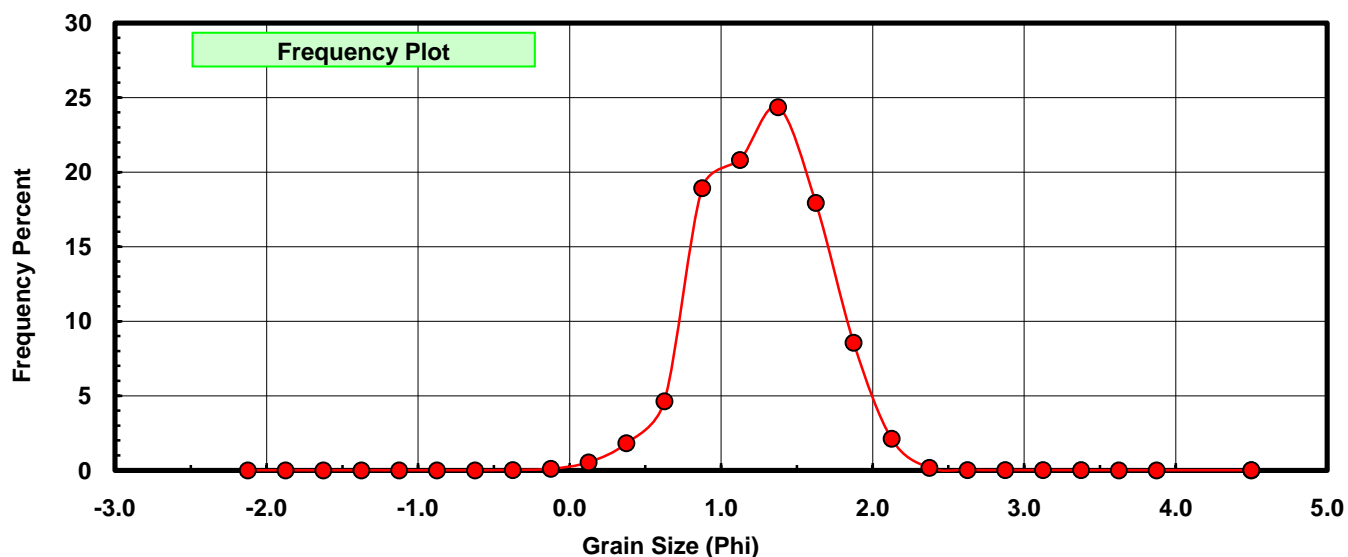
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.015	0.019	0.019
0.00	-0.125	0.074	0.093	0.111
0.25	0.125	0.426	0.533	0.645
0.50	0.375	1.447	1.811	2.456
0.75	0.625	3.693	4.623	7.079
1.00	0.875	15.119	18.927	26.006
1.25	1.125	16.631	20.819	46.825
1.50	1.375	19.457	24.357	71.182
1.75	1.625	14.327	17.935	89.118
2.00	1.875	6.832	8.553	97.670
2.25	2.125	1.690	2.116	99.786
2.50	2.375	0.129	0.161	99.947
2.75	2.625	0.017	0.021	99.969
3.00	2.875	0.006	0.008	99.976
3.25	3.125	0.006	0.008	99.984
3.50	3.375	0.003	0.004	99.987
3.75	3.625	0.002	0.003	99.990
4.00	3.875	0.002	0.003	99.992
5.00	4.500	0.000	0.000	99.992
5.00	4.50	0.006	0.008	100.000

Statistical Results			
Mean:	1.2732	phi	(0.4138 mm)
Standard Dev:	0.3937	phi-units	(0.7612 mm)
Skewness:	-0.0479	dimensionless	
Kurtosis:	3.3458	dimensionless	
5th Moment:	2.1585	dimensionless	
6th Moment:	42.8464	dimensionless	
RARD *	0.3092	dimensionless	
Median	1.1576	phi	(0.4483 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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