

Onshore Grab Sample

Sample: OA-05-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 35.03"
Longitude: 86° 44' 24.08"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 59.097 grams
Total Fines in Sample 0.609 grams
Total Percent Fines 1.02 %

Dry Sieving Summary

Total Sample Weight 58.399 grams
Total Digested Weight 58.337 grams
Total Carbonate Weight 0.062 grams
Total Silica % 99.89 %
Total Carbonate % 0.11 %
Carbonate/Silica Ratio 0.001

General Comments:

Original Weight (with Beaker): 315.580; 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: 58.399 grams

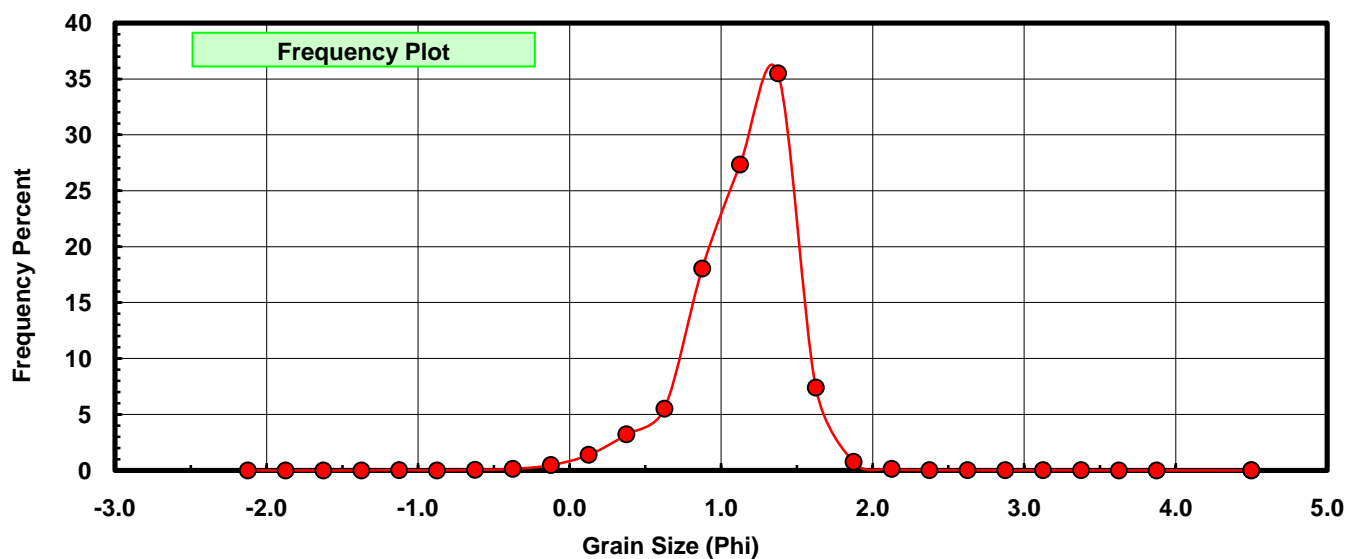
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.017	0.029	0.029
-0.75	-0.875	0.000	0.000	0.029
-0.50	-0.625	0.027	0.046	0.075
-0.25	-0.375	0.080	0.137	0.212
0.00	-0.125	0.274	0.469	0.682
0.25	0.125	0.805	1.378	2.060
0.50	0.375	1.875	3.211	5.271
0.75	0.625	3.212	5.500	10.771
1.00	0.875	10.532	18.035	28.805
1.25	1.125	15.966	27.340	56.145
1.50	1.375	20.740	35.514	91.659
1.75	1.625	4.317	7.392	99.051
2.00	1.875	0.441	0.755	99.807
2.25	2.125	0.071	0.122	99.928
2.50	2.375	0.016	0.027	99.955
2.75	2.625	0.008	0.014	99.969
3.00	2.875	0.004	0.007	99.976
3.25	3.125	0.004	0.007	99.983
3.50	3.375	0.004	0.007	99.990
3.75	3.625	0.001	0.002	99.991
4.00	3.875	0.002	0.003	99.995
5.00	4.500	0.000	0.000	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	1.1391	phi	(0.4541 mm)
Standard Dev:	0.3474	phi-units	(0.786 mm)
Skewness:	-0.8922	dimensionless	
Kurtosis:	5.8639	dimensionless	
5th Moment:	-6.8083	dimensionless	
6th Moment:	129.6871	dimensionless	
RARD *	0.3050	dimensionless	
Median	1.0688	phi	(0.4767 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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