

Onshore Grab Sample

Sample: OA-07-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 42.30"
Longitude: 86° 42' 30.26"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 61.815 grams
Total Fines in Sample 0.692 grams
Total Percent Fines 1.11 %

Dry Sieving Summary

Total Sample Weight 61.084 grams
Total Digested Weight 61.002 grams
Total Carbonate Weight 0.082 grams
Total Silica % 99.87 %
Total Carbonate % 0.13 %
Carbonate/Silica Ratio 0.001

General Comments:

Original Weight (with Beaker): 294.759; 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: 61.084 grams

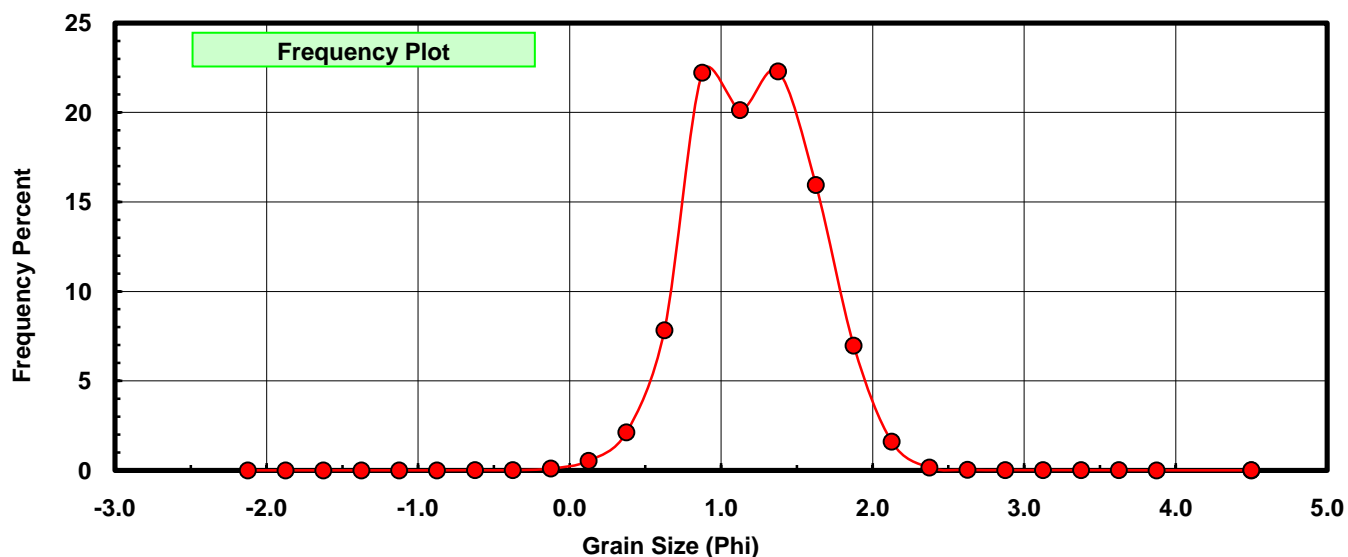
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.005	0.008	0.008
-0.25	-0.375	0.005	0.008	0.016
0.00	-0.125	0.061	0.100	0.116
0.25	0.125	0.326	0.534	0.650
0.50	0.375	1.301	2.130	2.780
0.75	0.625	4.786	7.835	10.615
1.00	0.875	13.574	22.222	32.837
1.25	1.125	12.294	20.126	52.963
1.50	1.375	13.615	22.289	75.252
1.75	1.625	9.742	15.949	91.201
2.00	1.875	4.256	6.967	98.168
2.25	2.125	0.981	1.606	99.774
2.50	2.375	0.092	0.151	99.925
2.75	2.625	0.014	0.023	99.948
3.00	2.875	0.007	0.011	99.959
3.25	3.125	0.006	0.010	99.969
3.50	3.375	0.005	0.008	99.977
3.75	3.625	0.004	0.007	99.984
4.00	3.875	0.001	0.002	99.985
5.00	4.500	0.000	0.000	99.985
5.00	4.500	0.009	0.015	100.000

Statistical Results			
Mean:	1.2147	phi	(0.4309 mm)
Standard Dev:	0.4034	phi-units	(0.7561 mm)
Skewness:	0.1222	dimensionless	
Kurtosis:	3.5325	dimensionless	
5th Moment:	6.3070	dimensionless	
6th Moment:	63.9411	dimensionless	
RARD *	0.3320	dimensionless	
Median	1.0882	phi	(0.4703 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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