

Onshore Grab Sample

Sample: OA-15-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 37.27"
Longitude: 86° 35' 8.42"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 72.099 grams
Total Fines in Sample 0.724 grams
Total Percent Fines 0.99 %

Dry Sieving Summary

Total Sample Weight 71.348 grams
Total Digested Weight 71.285 grams
Total Carbonate Weight 0.063 grams
Total Silica % 99.91 %
Total Carbonate % 0.09 %
Carbonate/Silica Ratio 0.001

General Comments:

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: 71.348 grams

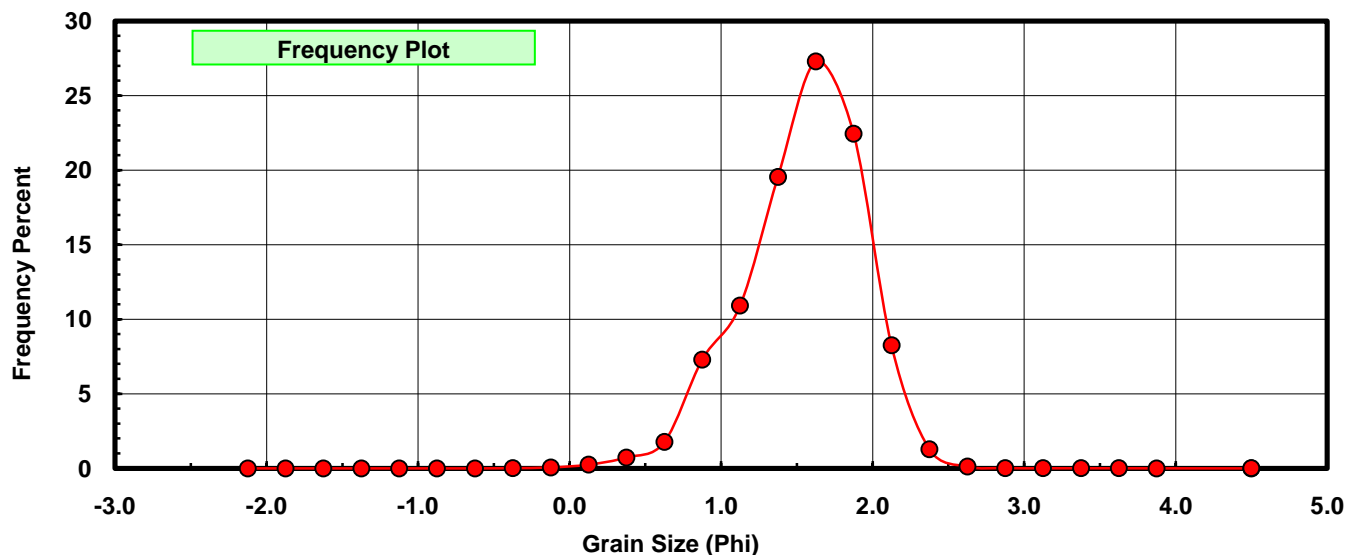
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.011	0.015	0.015
0.00	-0.125	0.044	0.062	0.077
0.25	0.125	0.179	0.251	0.328
0.50	0.375	0.522	0.732	1.060
0.75	0.625	1.262	1.769	2.828
1.00	0.875	5.203	7.292	10.121
1.25	1.125	7.784	10.910	21.031
1.50	1.375	13.946	19.546	40.577
1.75	1.625	19.465	27.282	67.859
2.00	1.875	16.010	22.439	90.298
2.25	2.125	5.883	8.246	98.544
2.50	2.375	0.919	1.288	99.832
2.75	2.625	0.087	0.122	99.954
3.00	2.875	0.013	0.018	99.972
3.25	3.125	0.005	0.007	99.979
3.50	3.375	0.005	0.007	99.986
3.75	3.625	0.004	0.006	99.992
4.00	3.875	0.002	0.003	99.994
5.00	4.500	0.000	0.000	99.994
5.00	4.50	0.004	0.006	100.000

Statistical Results			
Mean:	1.5439	phi	(0.343 mm)
Standard Dev:	0.3975	phi-units	(0.7592 mm)
Skewness:	-0.4920	dimensionless	
Kurtosis:	3.6280	dimensionless	
5th Moment:	-3.2951	dimensionless	
6th Moment:	35.6860	dimensionless	
RARD *	0.2575	dimensionless	
Median	1.4613	phi	(0.3632 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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