

Onshore Grab Sample

Sample: OA-23-BB
Sample Taken By: J. Ladner
Sample Collected On: 9/12/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 5.51"
Longitude: 86° 27' 45.26"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 82.887 grams
Total Fines in Sample 0.018 grams
Total Percent Fines 0.02 %

Dry Sieving Summary

Total Sample Weight 82.786 grams
Total Digested Weight 82.708 grams
Total Carbonate Weight 0.078 grams
Total Silica % 99.91 %
Total Carbonate % 0.09 %
Carbonate/Silica Ratio 0.001

General Comments:

-1.25 & -0.50 phi: Organics Only; 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: 82.786 grams

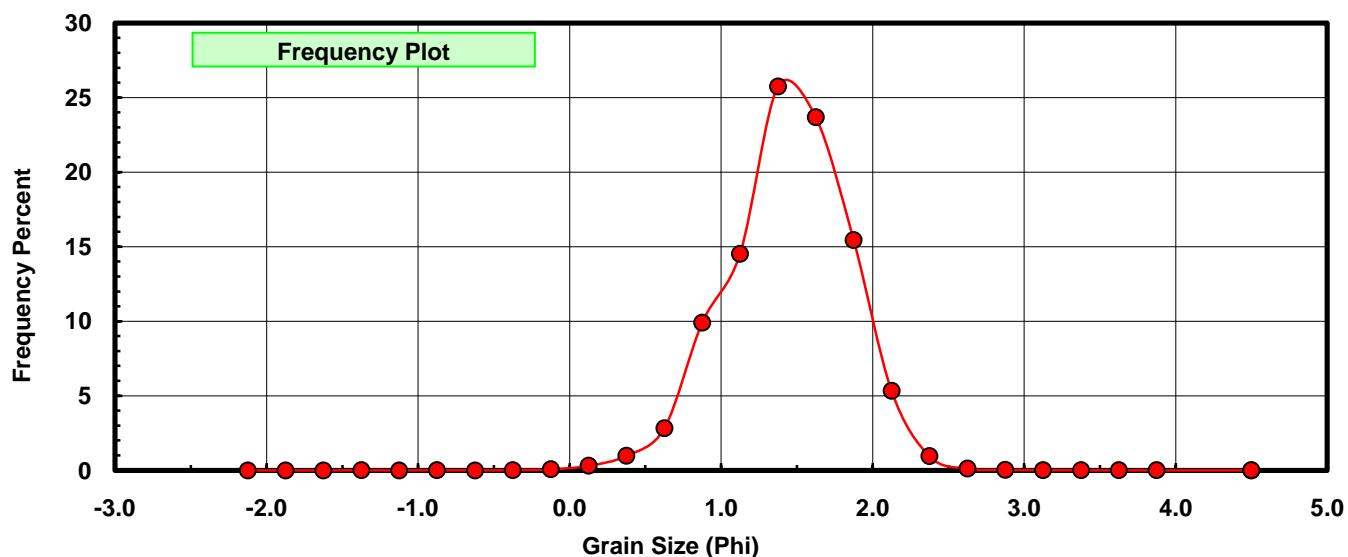
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.008	0.010	0.010
-1.00	-1.125	0.000	0.000	0.010
-0.75	-0.875	0.010	0.012	0.022
-0.50	-0.625	0.002	0.002	0.024
-0.25	-0.375	0.011	0.013	0.037
0.00	-0.125	0.061	0.074	0.111
0.25	0.125	0.256	0.309	0.420
0.50	0.375	0.808	0.976	1.396
0.75	0.625	2.331	2.816	4.212
1.00	0.875	8.203	9.909	14.121
1.25	1.125	12.029	14.530	28.651
1.50	1.375	21.316	25.748	54.399
1.75	1.625	19.600	23.676	78.075
2.00	1.875	12.789	15.448	93.523
2.25	2.125	4.421	5.340	98.863
2.50	2.375	0.790	0.954	99.818
2.75	2.625	0.092	0.111	99.929
3.00	2.875	0.027	0.033	99.961
3.25	3.125	0.015	0.018	99.979
3.50	3.375	0.006	0.007	99.987
3.75	3.625	0.004	0.005	99.992
4.00	3.875	0.003	0.004	99.995
5.00	4.500	0.000	0.000	99.995
5.00	4.500	0.004	0.005	100.000

Statistical Results			
Mean:	1.4412	phi	(0.3683 mm)
Standard Dev:	0.4033	phi-units	(0.7561 mm)
Skewness:	-0.2902	dimensionless	
Kurtosis:	3.7968	dimensionless	
5th Moment:	-3.1452	dimensionless	
6th Moment:	48.3634	dimensionless	
RARD *	0.2798	dimensionless	
Median	1.3323	phi	(0.3971 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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