

Onshore Grab Sample

Sample: OA-02-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 22.97"
Longitude: 86° 46' 28.90"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 81.89 grams
Total Fines in Sample 0.024 grams
Total Percent Fines 0.03 %

Dry Sieving Summary

Total Sample Weight 80.813 grams
Total Digested Weight 81.747 grams
Total Carbonate Weight -0.934 grams
Total Silica % 101.16 %
Total Carbonate % -1.16 %
Carbonate/Silica Ratio -0.011

General Comments:

Original Weight (with Beaker): 355.347; 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: 80.813 grams

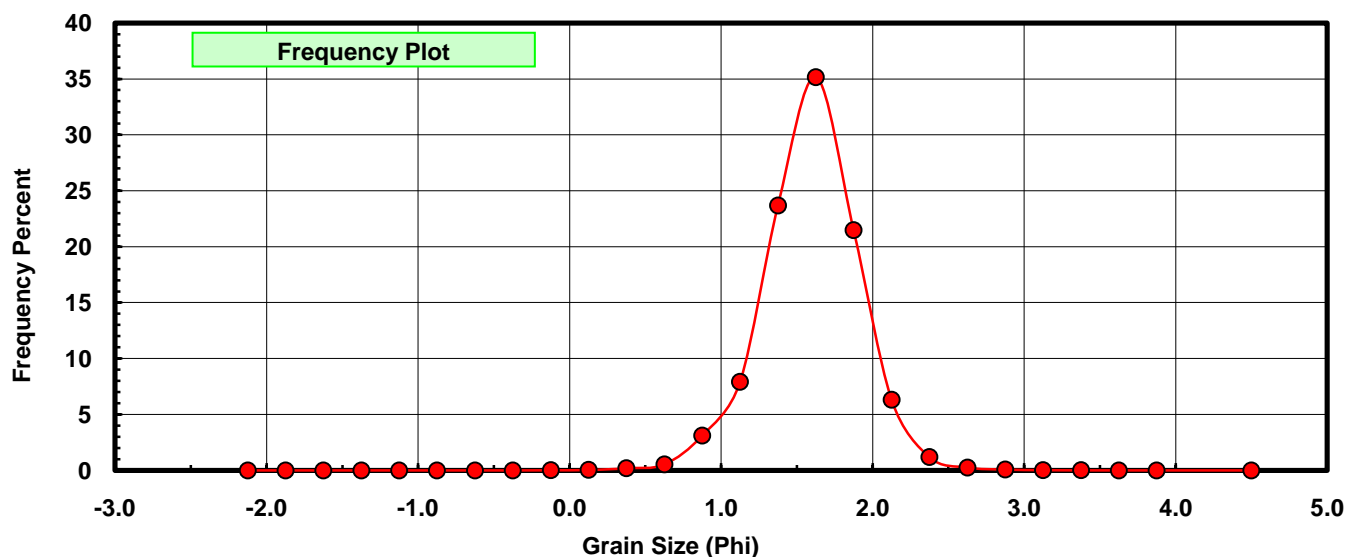
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.009	0.011	0.011
0.25	0.125	0.028	0.035	0.046
0.50	0.375	0.156	0.193	0.239
0.75	0.625	0.431	0.533	0.772
1.00	0.875	2.517	3.115	3.887
1.25	1.125	6.399	7.918	11.805
1.50	1.375	19.142	23.687	35.492
1.75	1.625	28.422	35.170	70.662
2.00	1.875	17.348	21.467	92.129
2.25	2.125	5.110	6.323	98.452
2.50	2.375	0.957	1.184	99.636
2.75	2.625	0.207	0.256	99.892
3.00	2.875	0.059	0.073	99.965
3.25	3.125	0.018	0.022	99.988
3.50	3.375	0.004	0.005	99.993
3.75	3.625	0.002	0.002	99.995
4.00	3.875	0.001	0.001	99.996
5.00	4.500	0.000	0.000	99.996
5.00	4.500	0.003	0.004	100.000

Statistical Results			
Mean:	1.5926	phi	(0.3316 mm)
Standard Dev:	0.3202	phi-units	(0.801 mm)
Skewness:	-0.1622	dimensionless	
Kurtosis:	4.3330	dimensionless	
5th Moment:	0.8059	dimensionless	
6th Moment:	59.2910	dimensionless	
RARD *	0.2010	dimensionless	
Median	1.4781	phi	(0.359 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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