

Onshore Grab Sample

Sample: OA-18-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 23.27"
Longitude: 86° 33' 5.42"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 74.273 grams
Total Fines in Sample 0.028 grams
Total Percent Fines 0.04 %

Dry Sieving Summary

Total Sample Weight 74.203 grams
Total Digested Weight 67.942 grams
Total Carbonate Weight 6.261 grams
Total Silica % 91.56 %
Total Carbonate % 8.44 %
Carbonate/Silica Ratio 0.092

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: 74.203 grams

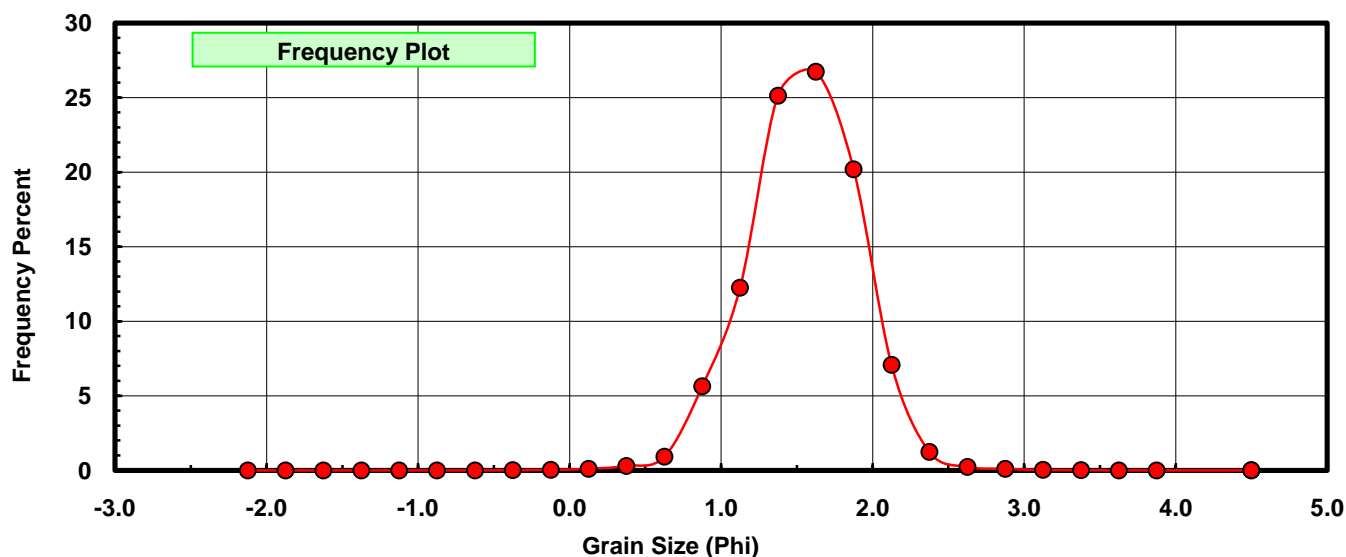
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.008	0.011	0.011
0.00	-0.125	0.026	0.035	0.046
0.25	0.125	0.079	0.106	0.152
0.50	0.375	0.223	0.301	0.453
0.75	0.625	0.680	0.916	1.369
1.00	0.875	4.177	5.629	6.998
1.25	1.125	9.091	12.252	19.250
1.50	1.375	18.647	25.130	44.380
1.75	1.625	19.837	26.733	71.113
2.00	1.875	14.974	20.180	91.293
2.25	2.125	5.252	7.078	98.371
2.50	2.375	0.918	1.237	99.608
2.75	2.625	0.175	0.236	99.844
3.00	2.875	0.076	0.102	99.946
3.25	3.125	0.025	0.034	99.980
3.50	3.375	0.008	0.011	99.991
3.75	3.625	0.002	0.003	99.993
4.00	3.875	0.001	0.001	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:	1.5430	phi	(0.3432 mm)
Standard Dev:	0.3658	phi-units	(0.7761 mm)
Skewness:	-0.1329	dimensionless	
Kurtosis:	3.7975	dimensionless	
5th Moment:	0.4595	dimensionless	
6th Moment:	45.1870	dimensionless	
RARD *	0.2370	dimensionless	
Median	1.4276	phi	(0.3718 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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