

Onshore Grab Sample

Sample: OA-23-MB
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 62.517 grams
Total Fines in Sample 0.012 grams
Total Percent Fines 0.02 %

Dry Sieving Summary

Total Sample Weight 62.439 grams
Total Digested Weight 62.380 grams
Total Carbonate Weight 0.059 grams
Total Silica % 99.91 %
Total Carbonate % 0.09 %
Carbonate/Silica Ratio 0.001

General Comments:

-0.75 to -0.25 phi: Shell Material; 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: 62.439 grams

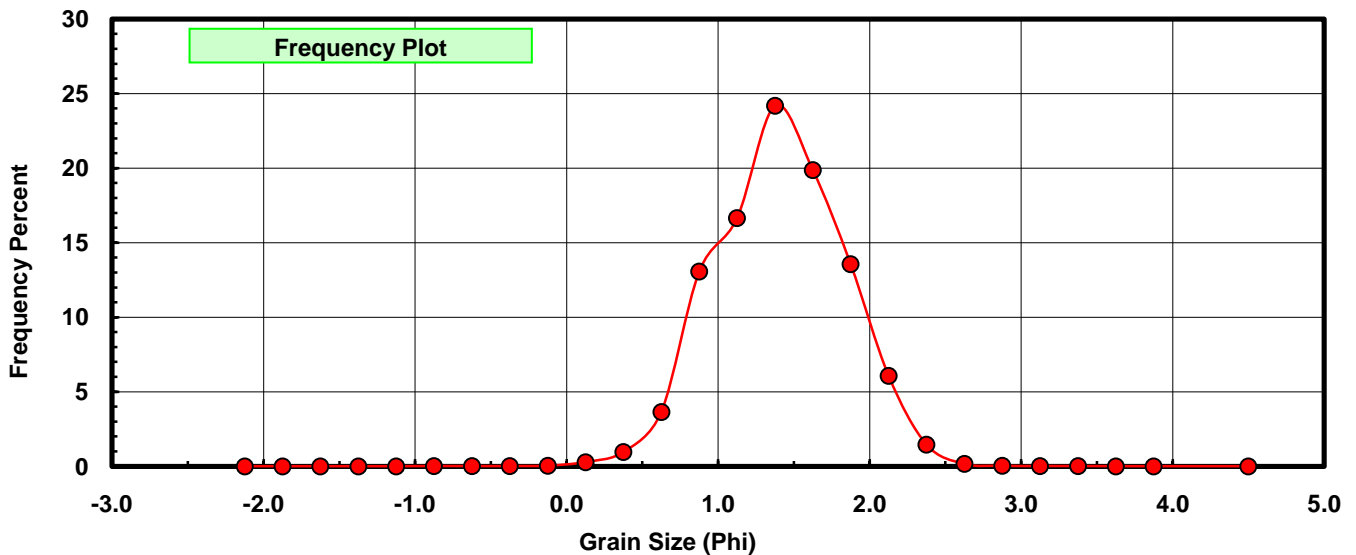
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.007	0.011	0.011
-0.50	-0.625	0.005	0.008	0.019
-0.25	-0.375	0.006	0.010	0.029
0.00	-0.125	0.024	0.038	0.067
0.25	0.125	0.175	0.280	0.348
0.50	0.375	0.596	0.955	1.302
0.75	0.625	2.277	3.647	4.949
1.00	0.875	8.151	13.054	18.003
1.25	1.125	10.390	16.640	34.643
1.50	1.375	15.098	24.180	58.824
1.75	1.625	12.407	19.871	78.694
2.00	1.875	8.463	13.554	92.248
2.25	2.125	3.793	6.075	98.323
2.50	2.375	0.913	1.462	99.785
2.75	2.625	0.098	0.157	99.942
3.00	2.875	0.017	0.027	99.970
3.25	3.125	0.008	0.013	99.982
3.50	3.375	0.007	0.011	99.994
3.75	3.625	0.002	0.003	99.997
4.00	3.875	0.001	0.002	99.998
5.00	4.500	0.000	0.000	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.4072	phi	(0.377 mm)
Standard Dev:	0.4252	phi-units	(0.7447 mm)
Skewness:	-0.0435	dimensionless	
Kurtosis:	3.0257	dimensionless	
5th Moment:	-0.4390	dimensionless	
6th Moment:	21.6295	dimensionless	
RARD *	0.3022	dimensionless	
Median	1.2838	phi	(0.4107 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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