

Onshore Grab Sample

Sample: OA-13-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 48.20"
Longitude: 86° 37' 9.58"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 67.457 grams
Total Fines in Sample 0.005 grams
Total Percent Fines 0.01 %

Dry Sieving Summary

Total Sample Weight 67.419 grams
Total Digested Weight 67.382 grams
Total Carbonate Weight 0.037 grams
Total Silica % 99.95 %
Total Carbonate % 0.05 %
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: 67.419 grams

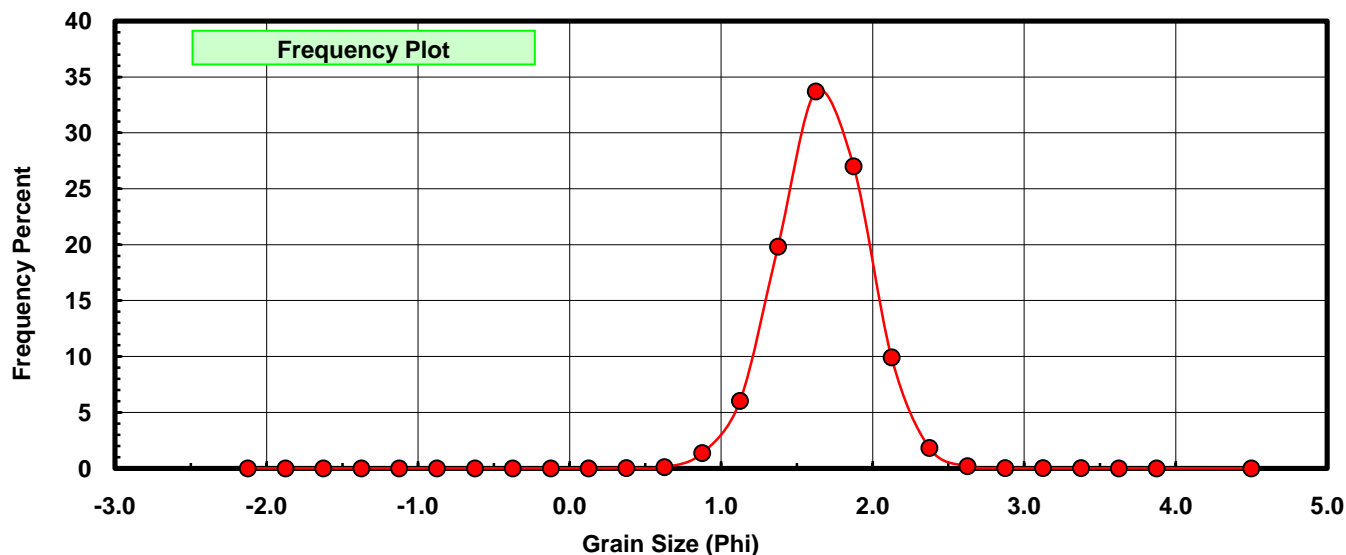
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.002	0.003	0.003
0.50	0.375	0.013	0.019	0.022
0.75	0.625	0.064	0.095	0.117
1.00	0.875	0.910	1.350	1.467
1.25	1.125	4.069	6.035	7.502
1.50	1.375	13.367	19.827	27.329
1.75	1.625	22.726	33.709	61.038
2.00	1.875	18.196	26.989	88.027
2.25	2.125	6.691	9.925	97.952
2.50	2.375	1.229	1.823	99.775
2.75	2.625	0.122	0.181	99.956
3.00	2.875	0.017	0.025	99.981
3.25	3.125	0.006	0.009	99.990
3.50	3.375	0.003	0.004	99.994
3.75	3.625	0.001	0.001	99.996
4.00	3.875	0.001	0.001	99.997
5.00	4.500	0.000	0.000	99.997
5.00	4.50	0.002	0.003	100.000

Statistical Results			
Mean:	1.6672	phi	(0.3149 mm)
Standard Dev:	0.3014	phi-units	(0.8115 mm)
Skewness:	-0.0372	dimensionless	
Kurtosis:	3.5154	dimensionless	
5th Moment:	2.3355	dimensionless	
6th Moment:	44.3954	dimensionless	
RARD *	0.1808	dimensionless	
Median	1.5431	phi	(0.3431 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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