

Onshore Grab Sample

Sample: OA-11-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 49.54"
Longitude: 86° 38' 42.04"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 64.334 grams
Total Fines in Sample 1.006 grams
Total Percent Fines 1.54 %

Dry Sieving Summary

Total Sample Weight 64.323 grams
Total Digested Weight 64.242 grams
Total Carbonate Weight 0.081 grams
Total Silica % 99.87 %
Total Carbonate % 0.13 %
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: 64.323 grams

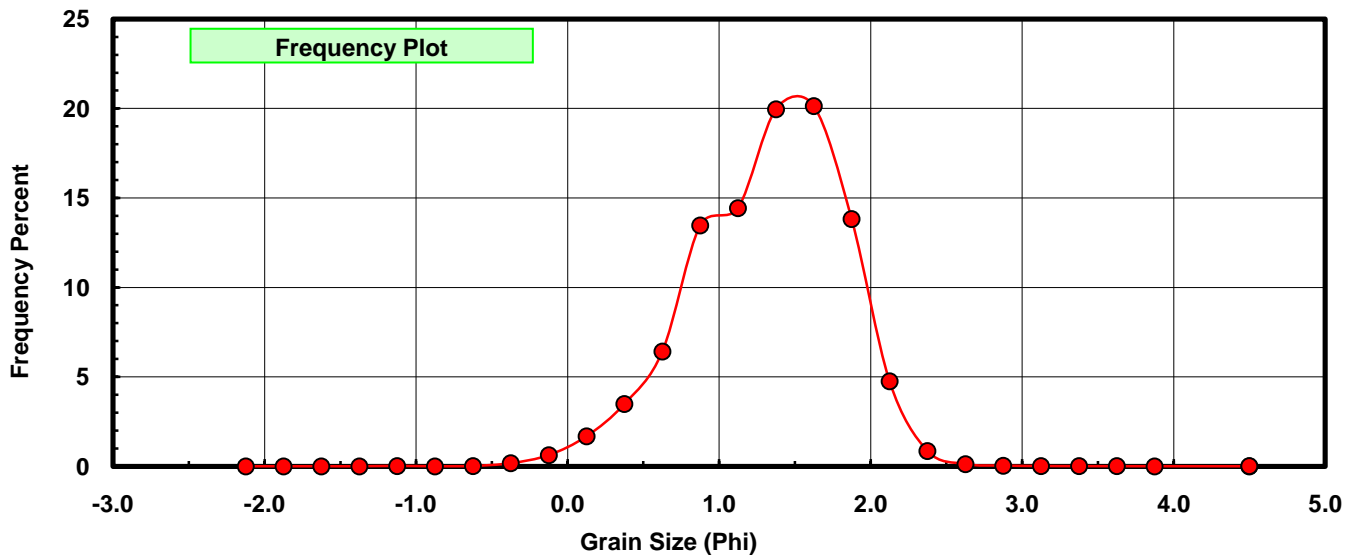
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.013	0.020	0.020
-0.75	-0.875	0.000	0.000	0.020
-0.50	-0.625	0.012	0.019	0.039
-0.25	-0.375	0.111	0.173	0.211
0.00	-0.125	0.401	0.623	0.835
0.25	0.125	1.080	1.679	2.514
0.50	0.375	2.242	3.486	5.999
0.75	0.625	4.125	6.413	12.412
1.00	0.875	8.658	13.460	25.873
1.25	1.125	9.283	14.432	40.304
1.50	1.375	12.835	19.954	60.258
1.75	1.625	12.946	20.127	80.385
2.00	1.875	8.883	13.810	94.195
2.25	2.125	3.057	4.753	98.947
2.50	2.375	0.553	0.860	99.807
2.75	2.625	0.081	0.126	99.933
3.00	2.875	0.024	0.037	99.970
3.25	3.125	0.009	0.014	99.984
3.50	3.375	0.004	0.006	99.991
3.75	3.625	0.002	0.003	99.994
4.00	3.875	0.001	0.002	99.995
5.00	4.500	0.000	0.000	99.995
5.00	4.500	0.003	0.005	100.000

Statistical Results			
Mean:	1.3208	phi	(0.4003 mm)
Standard Dev:	0.4987	phi-units	(0.7077 mm)
Skewness:	-0.4316	dimensionless	
Kurtosis:	3.1884	dimensionless	
5th Moment:	-3.2898	dimensionless	
6th Moment:	22.4916	dimensionless	
RARD *	0.3776	dimensionless	
Median	1.2465	phi	(0.4215 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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