

Onshore Grab Sample

Sample: OA-07-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 42.30"
Longitude: 86° 42' 30.26"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 85.504 grams
Total Fines in Sample 0.025 grams
Total Percent Fines 0.03 %

Dry Sieving Summary

Total Sample Weight 85.389 grams
Total Digested Weight 85.313 grams
Total Carbonate Weight 0.076 grams
Total Silica % 99.91 %
Total Carbonate % 0.09 %
Carbonate/Silica Ratio 0.001

General Comments:

Original Weight (with Beaker): 383.952; Not enough Carbonate Material to run a Post-Digestion Analysis

Description

Worked By: M. Lachance

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: OA-07-MB

Total Sample Mass: 85.389 grams

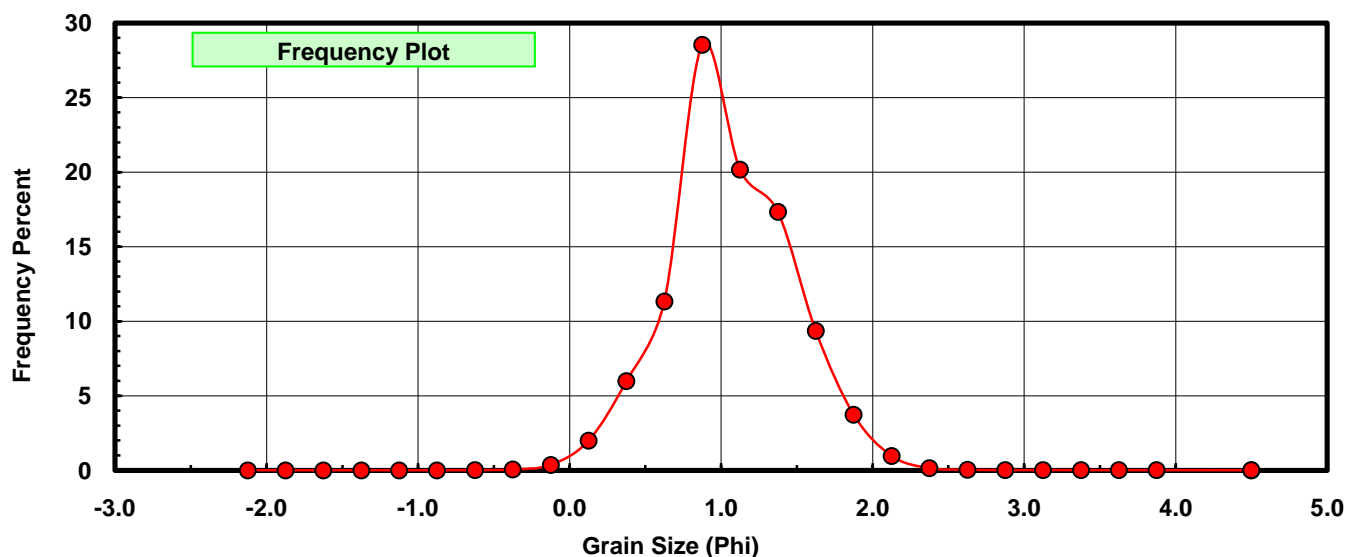
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.009	0.011	0.011
-0.25	-0.375	0.046	0.054	0.064
0.00	-0.125	0.306	0.358	0.423
0.25	0.125	1.700	1.991	2.414
0.50	0.375	5.108	5.982	8.396
0.75	0.625	9.675	11.330	19.726
1.00	0.875	24.360	28.528	48.254
1.25	1.125	17.222	20.169	68.423
1.50	1.375	14.795	17.327	85.750
1.75	1.625	7.977	9.342	95.092
2.00	1.875	3.186	3.731	98.823
2.25	2.125	0.825	0.966	99.789
2.50	2.375	0.120	0.141	99.930
2.75	2.625	0.028	0.033	99.963
3.00	2.875	0.008	0.009	99.972
3.25	3.125	0.007	0.008	99.980
3.50	3.375	0.005	0.006	99.986
3.75	3.625	0.004	0.005	99.991
4.00	3.875	0.003	0.004	99.994
5.00	4.500	0.000	0.000	99.994
5.00	4.500	0.005	0.006	100.000

Statistical Results			
Mean:	1.0576	phi	(0.4804 mm)
Standard Dev:	0.4174	phi-units	(0.7488 mm)
Skewness:	0.1554	dimensionless	
Kurtosis:	3.5324	dimensionless	
5th Moment:	4.2104	dimensionless	
6th Moment:	43.0256	dimensionless	
RARD *	0.3947	dimensionless	
Median	0.8966	phi	(0.5371 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)



OA-07-MB

