

Onshore Grab Sample

Sample: OA-04-MB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 29.83"
Longitude: 86° 45' 20.85"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	81.93 grams
Total Fines in Sample	0.018 grams
Total Percent Fines	0.02 %

Dry Sieving Summary

Total Sample Weight	81.889 grams
Total Digested Weight	81.807 grams
Total Carbonate Weight	0.082 grams
Total Silica %	99.90 %
Total Carbonate %	0.10 %
Carbonate/Silica Ratio	0.001

General Comments:

Original Weight (with Beaker): 388.897; 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: 81.889 grams

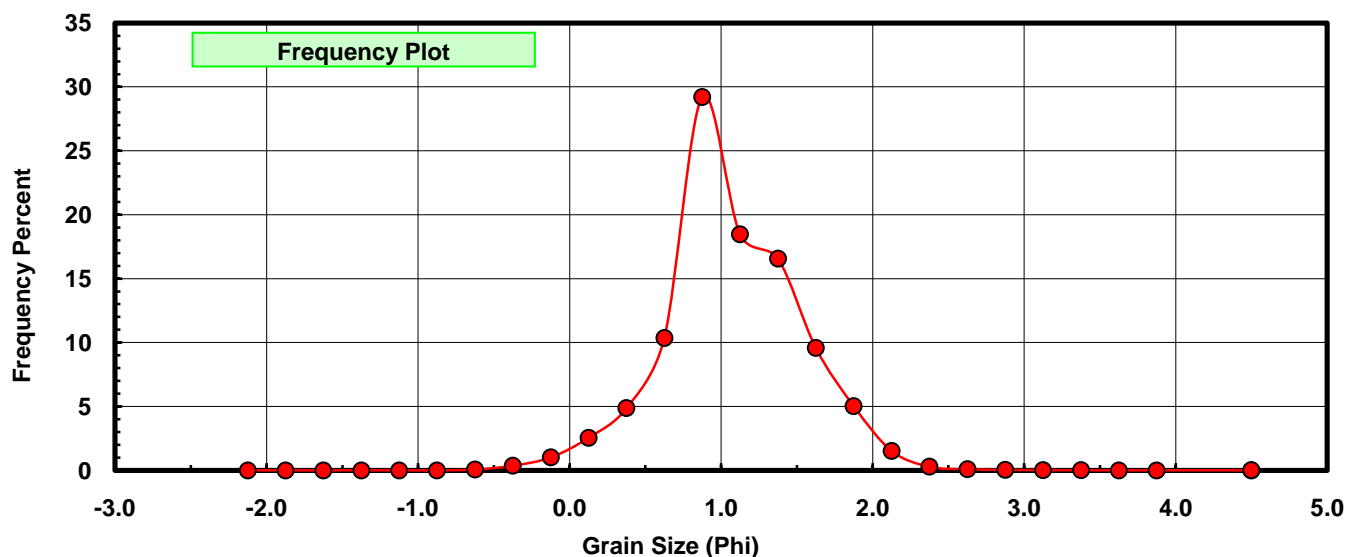
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.049	0.060	0.060
-0.25	-0.375	0.293	0.358	0.418
0.00	-0.125	0.824	1.006	1.424
0.25	0.125	2.086	2.547	3.971
0.50	0.375	3.982	4.863	8.834
0.75	0.625	8.481	10.357	19.191
1.00	0.875	23.921	29.211	48.402
1.25	1.125	15.127	18.473	66.875
1.50	1.375	13.570	16.571	83.446
1.75	1.625	7.845	9.580	93.026
2.00	1.875	4.117	5.028	98.053
2.25	2.125	1.248	1.524	99.577
2.50	2.375	0.229	0.280	99.857
2.75	2.625	0.067	0.082	99.939
3.00	2.875	0.026	0.032	99.971
3.25	3.125	0.012	0.015	99.985
3.50	3.375	0.006	0.007	99.993
3.75	3.625	0.001	0.001	99.994
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:	1.0675	phi	(0.4771 mm)
Standard Dev:	0.4566	phi-units	(0.7287 mm)
Skewness:	0.0272	dimensionless	
Kurtosis:	3.6492	dimensionless	
5th Moment:	1.0626	dimensionless	
6th Moment:	31.9055	dimensionless	
RARD *	0.4278	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)



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