

Onshore Grab Sample

Sample: OA-18-BB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 23.27"
Longitude: 86° 33' 5.42"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 68.09 grams
Total Fines in Sample 0.031 grams
Total Percent Fines 0.05 %

Dry Sieving Summary

Total Sample Weight 68.014 grams
Total Digested Weight 61.746 grams
Total Carbonate Weight 6.268 grams
Total Silica % 90.78 %
Total Carbonate % 9.22 %
Carbonate/Silica Ratio 0.102

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: 68.014 grams

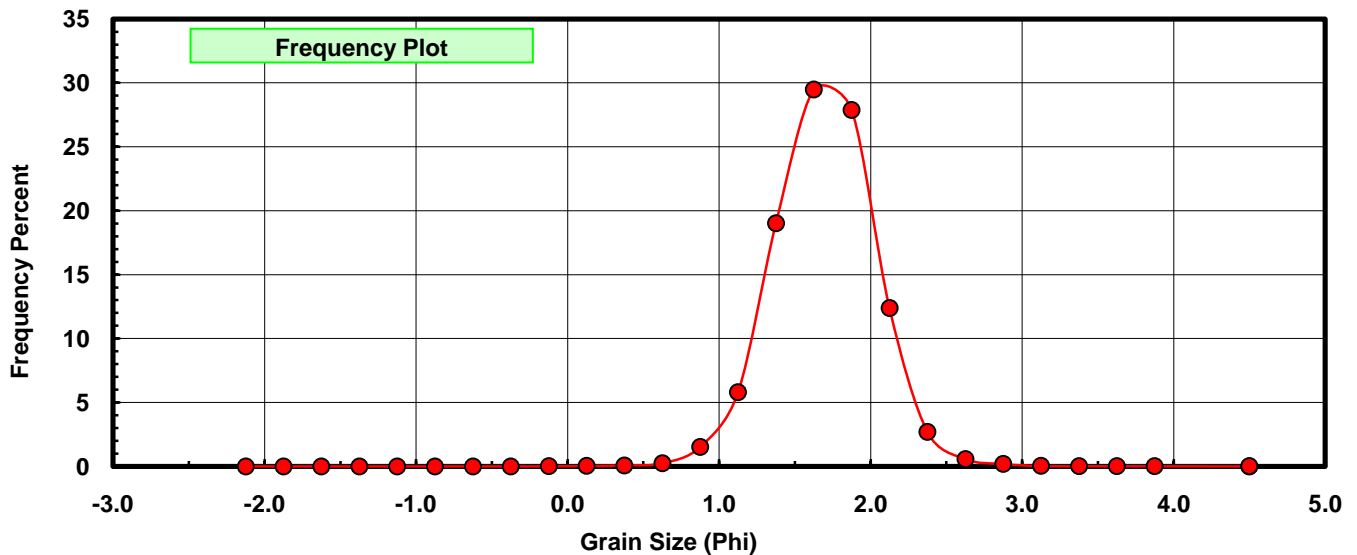
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.001	0.001	0.001
0.00	-0.125	0.005	0.007	0.009
0.25	0.125	0.025	0.037	0.046
0.50	0.375	0.053	0.078	0.124
0.75	0.625	0.167	0.246	0.369
1.00	0.875	1.036	1.523	1.892
1.25	1.125	3.943	5.797	7.690
1.50	1.375	12.936	19.020	26.709
1.75	1.625	20.059	29.492	56.202
2.00	1.875	18.969	27.890	84.092
2.25	2.125	8.420	12.380	96.471
2.50	2.375	1.838	2.702	99.174
2.75	2.625	0.390	0.573	99.747
3.00	2.875	0.123	0.181	99.928
3.25	3.125	0.020	0.029	99.957
3.50	3.375	0.012	0.018	99.975
3.75	3.625	0.007	0.010	99.985
4.00	3.875	0.005	0.007	99.993
5.00	4.500	0.000	0.000	99.993
5.00	4.500	0.005	0.007	100.000

Statistical Results			
Mean:	1.6941	phi	(0.309 mm)
Standard Dev:	0.3337	phi-units	(0.7935 mm)
Skewness:	0.0108	dimensionless	
Kurtosis:	4.2809	dimensionless	
5th Moment:	3.8153	dimensionless	
6th Moment:	67.3790	dimensionless	
RARD *	0.1969	dimensionless	
Median	1.5724	phi	(0.3362 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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