

Onshore Grab Sample

Sample: OA-19-BB
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 19.15"
Longitude: 86° 32' 8.55"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 59.666 grams
Total Fines in Sample 0.053 grams
Total Percent Fines 0.09 %

Dry Sieving Summary

Total Sample Weight 59.555 grams
Total Digested Weight 59.484 grams
Total Carbonate Weight 0.071 grams
Total Silica % 99.88 %
Total Carbonate % 0.12 %
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

Sample: OA-19-BB

Total Sample Mass: 59.555 grams

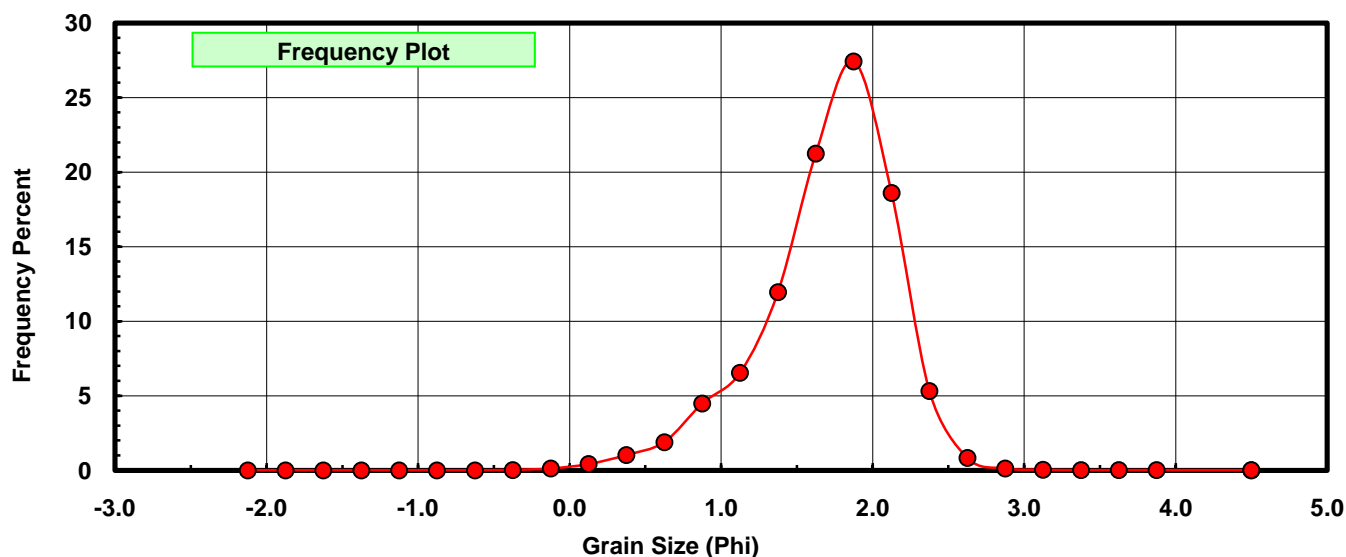
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.014	0.024	0.024
0.00	-0.125	0.067	0.113	0.136
0.25	0.125	0.245	0.411	0.547
0.50	0.375	0.608	1.021	1.568
0.75	0.625	1.125	1.889	3.457
1.00	0.875	2.665	4.475	7.932
1.25	1.125	3.890	6.532	14.464
1.50	1.375	7.111	11.940	26.404
1.75	1.625	12.652	21.244	47.648
2.00	1.875	16.335	27.428	75.077
2.25	2.125	11.082	18.608	93.685
2.50	2.375	3.166	5.316	99.001
2.75	2.625	0.493	0.828	99.829
3.00	2.875	0.069	0.116	99.945
3.25	3.125	0.017	0.029	99.973
3.50	3.375	0.004	0.007	99.980
3.75	3.625	0.004	0.007	99.987
4.00	3.875	0.004	0.007	99.993
5.00	4.500	0.000	0.000	99.993
5.00	4.50	0.004	0.007	100.000

Statistical Results			
Mean:	1.7009	phi	(0.3076 mm)
Standard Dev:	0.4480	phi-units	(0.733 mm)
Skewness:	-0.7936	dimensionless	
Kurtosis:	4.0946	dimensionless	
5th Moment:	-7.0675	dimensionless	
6th Moment:	35.9623	dimensionless	
RARD *	0.2634	dimensionless	
Median	1.6464	phi	(0.3194 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-19-BB

