

Onshore Grab Sample

Sample: OA-25-BB
Sample Taken By: J. Ladner
Sample Collected On: 9/12/06
Splits? Yes

County: Okaloosa
Latitude: 30° 22' 58.53"
Longitude: 86° 25' 53.46"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 66.31 grams
Total Fines in Sample 0.006 grams
Total Percent Fines 0.01 %

Dry Sieving Summary

Total Sample Weight 66.286 grams
Total Digested Weight 66.227 grams
Total Carbonate Weight 0.059 grams
Total Silica % 99.91 %
Total Carbonate % 0.09 %
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: 66.286 grams

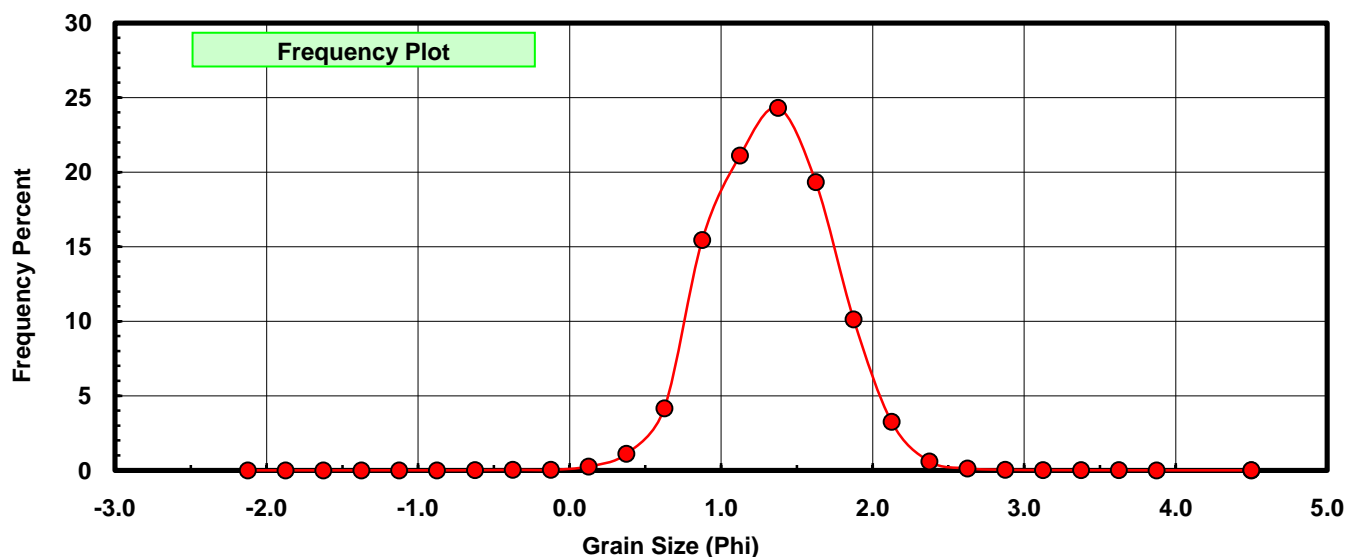
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.002	0.003	0.003
-0.75	-0.875	0.000	0.000	0.003
-0.50	-0.625	0.004	0.006	0.009
-0.25	-0.375	0.019	0.029	0.038
0.00	-0.125	0.021	0.032	0.069
0.25	0.125	0.172	0.259	0.329
0.50	0.375	0.734	1.107	1.436
0.75	0.625	2.759	4.162	5.598
1.00	0.875	10.237	15.444	21.042
1.25	1.125	13.998	21.118	42.160
1.50	1.375	16.119	24.317	66.477
1.75	1.625	12.814	19.331	85.808
2.00	1.875	6.715	10.130	95.939
2.25	2.125	2.161	3.260	99.199
2.50	2.375	0.397	0.599	99.798
2.75	2.625	0.086	0.130	99.928
3.00	2.875	0.024	0.036	99.964
3.25	3.125	0.010	0.015	99.979
3.50	3.375	0.005	0.008	99.986
3.75	3.625	0.004	0.006	99.992
4.00	3.875	0.001	0.002	99.994
5.00	4.500	0.000	0.000	99.994
5.00	4.500	0.004	0.006	100.000

Statistical Results			
Mean:	1.3306	phi	(0.3976 mm)
Standard Dev:	0.3989	phi-units	(0.7584 mm)
Skewness:	0.0710	dimensionless	
Kurtosis:	3.4212	dimensionless	
5th Moment:	2.4827	dimensionless	
6th Moment:	39.6426	dimensionless	
RARD *	0.2998	dimensionless	
Median	1.2056	phi	(0.4336 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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