

Onshore Grab Sample

Sample: OA-04-SS
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 80.116 grams
Total Fines in Sample 0.802 grams
Total Percent Fines 0.99 %

Dry Sieving Summary

Total Sample Weight 79.247 grams
Total Digested Weight 79.108 grams
Total Carbonate Weight 0.139 grams
Total Silica % 99.82 %
Total Carbonate % 0.18 %
Carbonate/Silica Ratio 0.002

General Comments:

Original Weight (with Beaker): 377.892; 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: 79.247 grams

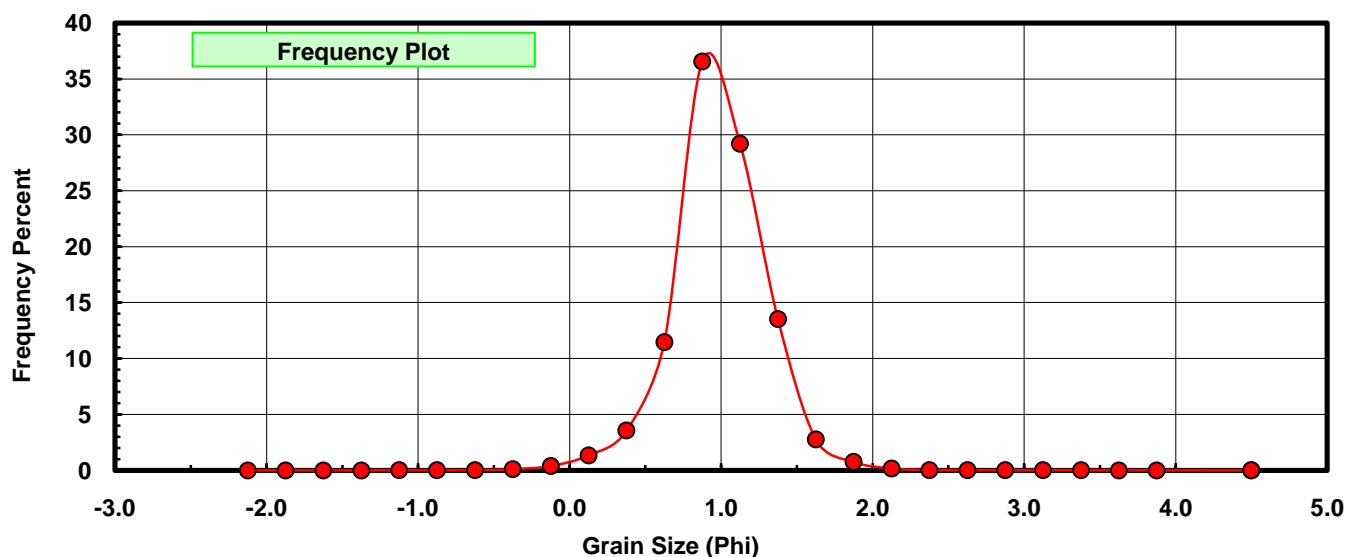
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.006	0.008	0.008
-0.75	-0.875	0.005	0.006	0.014
-0.50	-0.625	0.012	0.015	0.029
-0.25	-0.375	0.086	0.109	0.138
0.00	-0.125	0.308	0.389	0.526
0.25	0.125	1.064	1.343	1.869
0.50	0.375	2.819	3.557	5.426
0.75	0.625	9.096	11.478	16.904
1.00	0.875	28.972	36.559	53.463
1.25	1.125	23.153	29.216	82.679
1.50	1.375	10.727	13.536	96.216
1.75	1.625	2.202	2.779	98.994
2.00	1.875	0.600	0.757	99.751
2.25	2.125	0.134	0.169	99.921
2.50	2.375	0.024	0.030	99.951
2.75	2.625	0.011	0.014	99.965
3.00	2.875	0.007	0.009	99.974
3.25	3.125	0.007	0.009	99.982
3.50	3.375	0.004	0.005	99.987
3.75	3.625	0.001	0.001	99.989
4.00	3.875	0.003	0.004	99.992
5.00	4.500	0.000	0.000	99.992
5.00	4.50	0.006	0.008	100.000

Statistical Results			
Mean:	0.9856	phi	(0.505 mm)
Standard Dev:	0.3173	phi-units	(0.8026 mm)
Skewness:	-0.0145	dimensionless	
Kurtosis:	6.4171	dimensionless	
5th Moment:	14.7419	dimensionless	
6th Moment:	237.4106	dimensionless	
RARD *	0.3219	dimensionless	
Median	0.8513	phi	(0.5543 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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