

Onshore Grab Sample

Sample: OA-17-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 30.12"
Longitude: 86° 34' 1.96"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 59.954 grams
Total Fines in Sample 0.376 grams
Total Percent Fines 0.62 %

Dry Sieving Summary

Total Sample Weight 59.521 grams
Total Digested Weight 59.458 grams
Total Carbonate Weight 0.063 grams
Total Silica % 99.89 %
Total Carbonate % 0.11 %
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: 59.521 grams

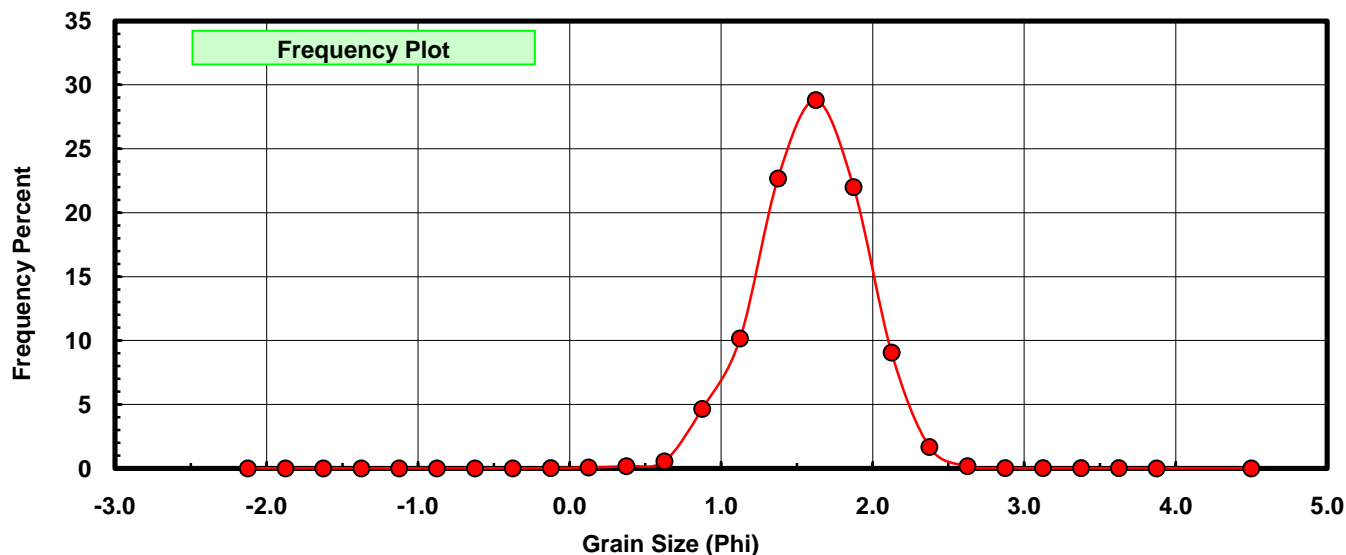
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.004	0.007	0.007
0.25	0.125	0.034	0.057	0.064
0.50	0.375	0.105	0.176	0.240
0.75	0.625	0.329	0.553	0.793
1.00	0.875	2.767	4.649	5.442
1.25	1.125	6.039	10.146	15.588
1.50	1.375	13.503	22.686	38.274
1.75	1.625	17.141	28.798	67.072
2.00	1.875	13.090	21.992	89.064
2.25	2.125	5.392	9.059	98.123
2.50	2.375	0.993	1.668	99.792
2.75	2.625	0.098	0.165	99.956
3.00	2.875	0.009	0.015	99.971
3.25	3.125	0.006	0.010	99.982
3.50	3.375	0.006	0.010	99.992
3.75	3.625	0.003	0.005	99.997
4.00	3.875	0.001	0.002	99.998
5.00	4.500	0.000	0.000	99.998
5.00	4.500	0.001	0.002	100.000

Statistical Results			
Mean:	1.5891	phi	(0.3324 mm)
Standard Dev:	0.3534	phi-units	(0.7827 mm)
Skewness:	-0.1894	dimensionless	
Kurtosis:	3.3133	dimensionless	
5th Moment:	-0.7530	dimensionless	
6th Moment:	28.3636	dimensionless	
RARD *	0.2224	dimensionless	
Median	1.4768	phi	(0.3593 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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