

Onshore Grab Sample

Sample: OA-21-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/12/06
Splits? Yes

County: Okaloosa
Latitude: 30° 22' 59.62"
Longitude: 86° 29' 47.64"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 62.721 grams
Total Fines in Sample 0.672 grams
Total Percent Fines 1.06 %

Dry Sieving Summary

Total Sample Weight 61.993 grams
Total Digested Weight 61.936 grams
Total Carbonate Weight 0.057 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: 61.993 grams

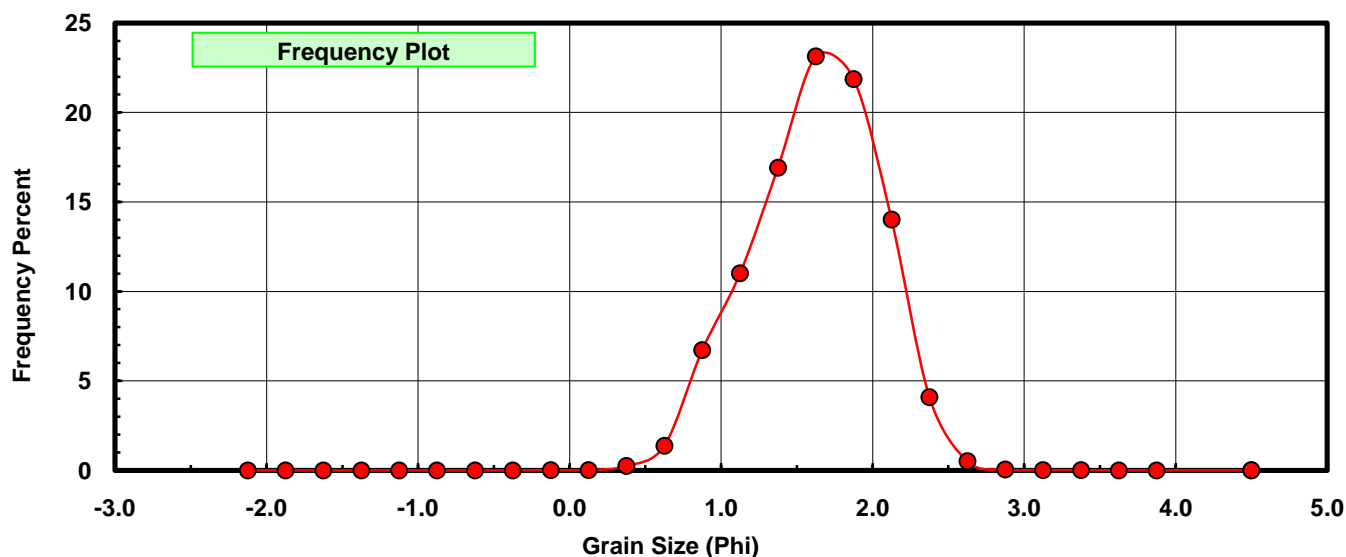
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.006	0.010	0.010
0.25	0.125	0.012	0.019	0.029
0.50	0.375	0.149	0.240	0.269
0.75	0.625	0.854	1.378	1.647
1.00	0.875	4.163	6.715	8.362
1.25	1.125	6.823	11.006	19.368
1.50	1.375	10.486	16.915	36.283
1.75	1.625	14.340	23.132	59.415
2.00	1.875	13.561	21.875	81.290
2.25	2.125	8.692	14.021	95.311
2.50	2.375	2.540	4.097	99.408
2.75	2.625	0.318	0.513	99.921
3.00	2.875	0.027	0.044	99.965
3.25	3.125	0.011	0.018	99.982
3.50	3.375	0.006	0.010	99.992
3.75	3.625	0.001	0.002	99.994
4.00	3.875	0.001	0.002	99.995
5.00	4.500	0.000	0.000	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	1.6219	phi	(0.3249 mm)
Standard Dev:	0.4193	phi-units	(0.7478 mm)
Skewness:	-0.2204	dimensionless	
Kurtosis:	2.7854	dimensionless	
5th Moment:	-0.6072	dimensionless	
6th Moment:	17.4185	dimensionless	
RARD *	0.2585	dimensionless	
Median	1.5232	phi	(0.3479 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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