

Onshore Grab Sample

Sample: OA-11-SS
Sample Taken By: J. Ladner
Sample Collected On: 9/14/06
Splits? Yes

County: Okaloosa
Latitude: 30° 23' 49.54"
Longitude: 86° 38' 42.04"
Datum: NAD 83
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	57.343 grams
Total Fines in Sample	0.622 grams
Total Percent Fines	1.07 %

Dry Sieving Summary

Total Sample Weight	56.743 grams
Total Digested Weight	56.651 grams
Total Carbonate Weight	0.092 grams
Total Silica %	99.84 %
Total Carbonate %	0.16 %
Carbonate/Silica Ratio	0.002

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: 56.743 grams

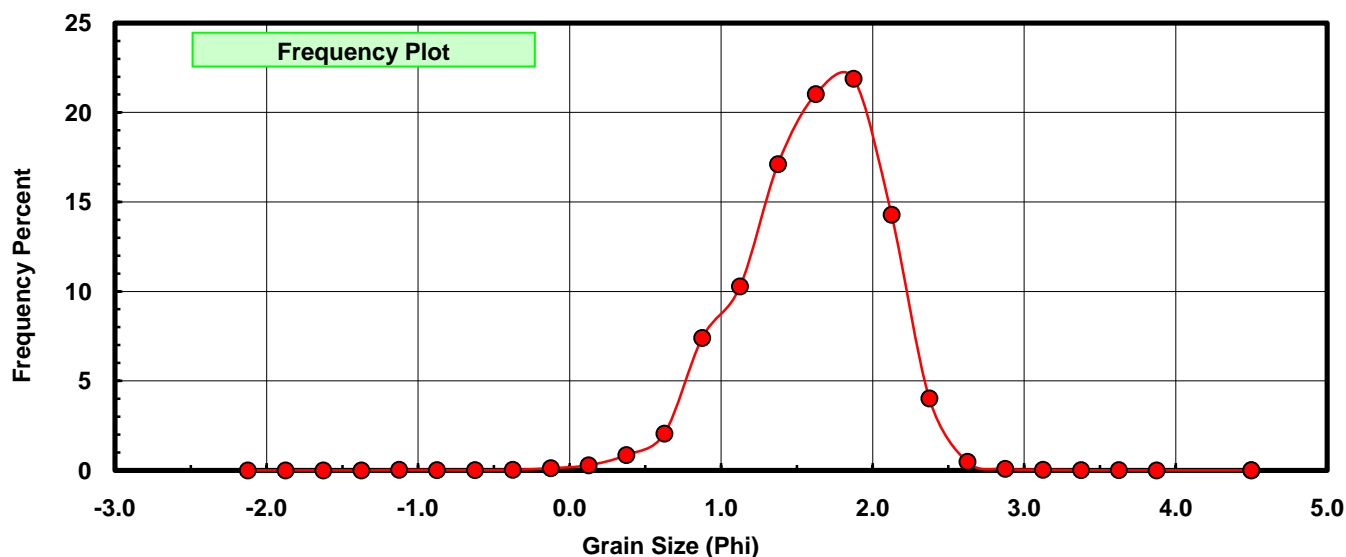
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.012	0.021	0.021
-0.75	-0.875	0.011	0.019	0.041
-0.50	-0.625	0.004	0.007	0.048
-0.25	-0.375	0.020	0.035	0.083
0.00	-0.125	0.068	0.120	0.203
0.25	0.125	0.163	0.287	0.490
0.50	0.375	0.488	0.860	1.350
0.75	0.625	1.165	2.053	3.403
1.00	0.875	4.202	7.405	10.808
1.25	1.125	5.830	10.274	21.083
1.50	1.375	9.710	17.112	38.195
1.75	1.625	11.931	21.026	59.221
2.00	1.875	12.417	21.883	81.104
2.25	2.125	8.102	14.278	95.383
2.50	2.375	2.275	4.009	99.392
2.75	2.625	0.268	0.472	99.864
3.00	2.875	0.045	0.079	99.944
3.25	3.125	0.021	0.037	99.981
3.50	3.375	0.005	0.009	99.989
3.75	3.625	0.002	0.004	99.993
4.00	3.875	0.001	0.002	99.995
5.00	4.500	0.000	0.000	99.995
5.00	4.500	0.003	0.005	100.000

Statistical Results			
Mean:	1.5985	phi	(0.3302 mm)
Standard Dev:	0.4576	phi-units	(0.7282 mm)
Skewness:	-0.4994	dimensionless	
Kurtosis:	3.6126	dimensionless	
5th Moment:	-5.9730	dimensionless	
6th Moment:	38.1341	dimensionless	
RARD *	0.2862	dimensionless	
Median	1.5154	phi	(0.3498 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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