

Onshore Grab Sample

Sample: OA-17-BB
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	79.527 grams
Total Fines in Sample	0.027 grams
Total Percent Fines	0.03 %

Dry Sieving Summary

Total Sample Weight	79.430 grams
Total Digested Weight	79.394 grams
Total Carbonate Weight	0.036 grams
Total Silica %	99.95 %
Total Carbonate %	0.05 %
Carbonate/Silica Ratio	0.000

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: 79.430 grams

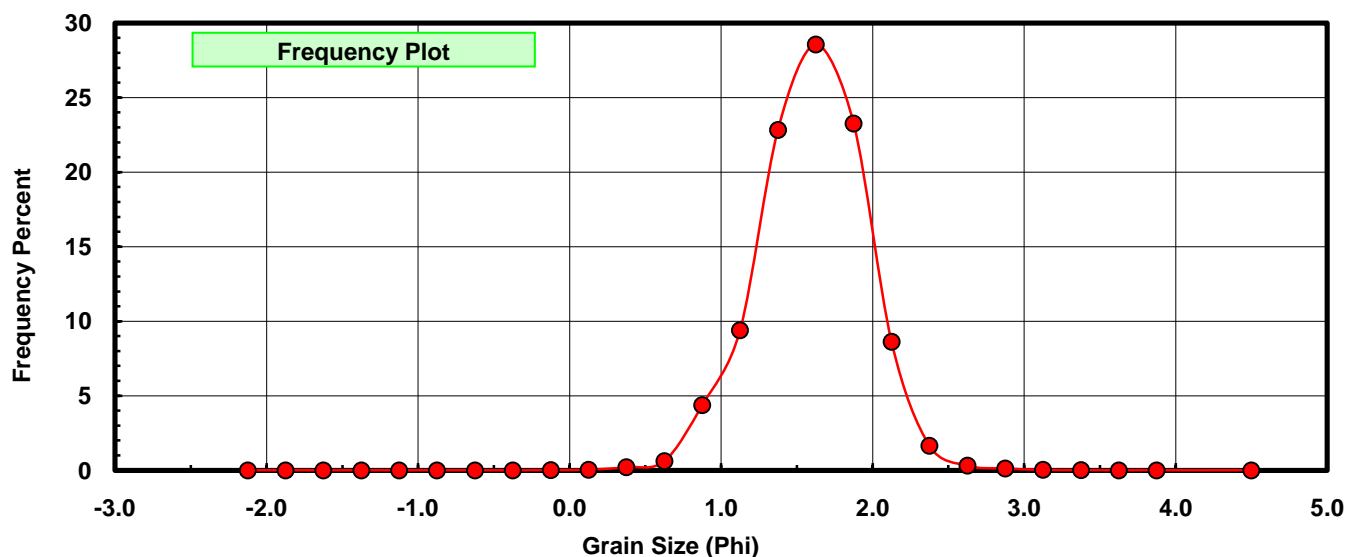
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.006	0.008	0.008
0.25	0.125	0.033	0.042	0.049
0.50	0.375	0.162	0.204	0.253
0.75	0.625	0.488	0.614	0.867
1.00	0.875	3.467	4.365	5.232
1.25	1.125	7.464	9.397	14.629
1.50	1.375	18.138	22.835	37.464
1.75	1.625	22.685	28.560	66.024
2.00	1.875	18.470	23.253	89.277
2.25	2.125	6.844	8.616	97.894
2.50	2.375	1.308	1.647	99.540
2.75	2.625	0.242	0.305	99.845
3.00	2.875	0.090	0.113	99.958
3.25	3.125	0.023	0.029	99.987
3.50	3.375	0.006	0.008	99.995
3.75	3.625	0.002	0.003	99.997
4.00	3.875	0.001	0.001	99.999
5.00	4.500	0.000	0.000	99.999
5.00	4.500	0.001	0.001	100.000

Statistical Results			
Mean:	1.5975	phi	(0.3305 mm)
Standard Dev:	0.3535	phi-units	(0.7827 mm)
Skewness:	-0.1562	dimensionless	
Kurtosis:	3.5217	dimensionless	
5th Moment:	-0.3583	dimensionless	
6th Moment:	29.4478	dimensionless	
RARD *	0.2213	dimensionless	
Median	1.4847	phi	(0.3573 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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