

Onshore Grab Sample

Sample: FK-35-BB
Sample Taken By: D. Phelps
Sample Collected On: 10/11/10
Splits? N/A

County: Franklin
Latitude: 29° 42' 8.1" N
Longitude: 84° 45' 45.9" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	57.545 grams
Total Fines in Sample	0.021 grams
Total Percent Fines	0.04 %

Dry Sieving Summary

Total Sample Weight	57.611 grams
Total Digested Weight	57.330 grams
Total Carbonate Weight	0.281 grams
Total Silica %	99.51 %
Total Carbonate %	0.49 %
Carbonate/Silica Ratio	0.005

General Comments:

Not Enough Carbonate Material to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

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Total Sample Mass: 57.611 grams

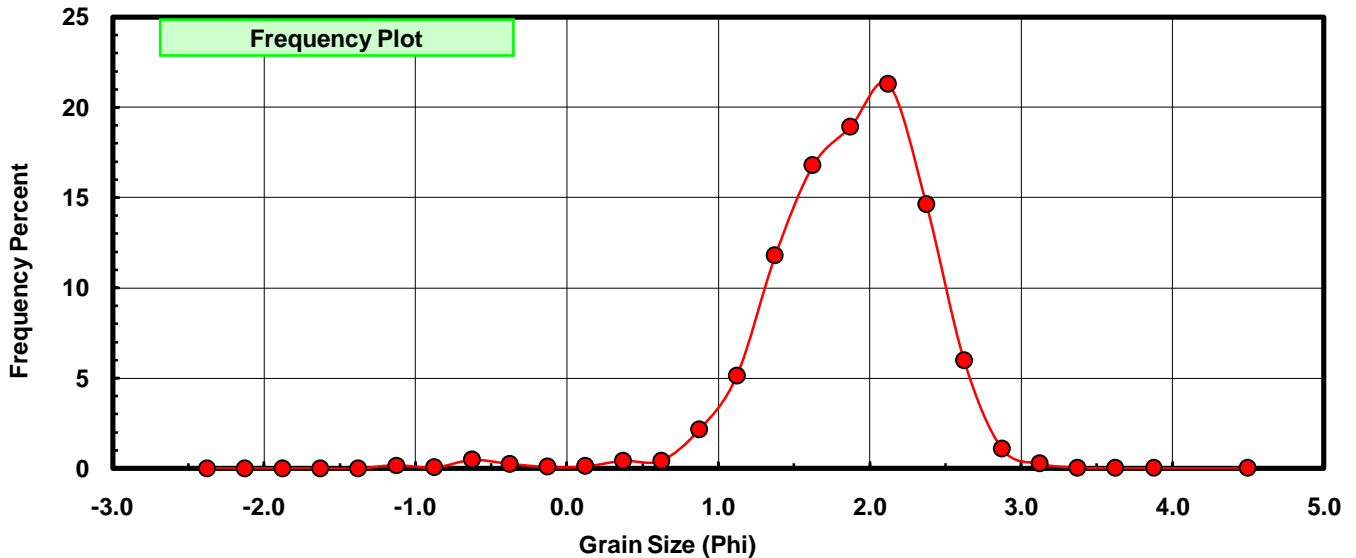
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.103	0.179	0.179
-0.75	-0.875	0.024	0.042	0.220
-0.50	-0.625	0.270	0.469	0.689
-0.25	-0.375	0.137	0.238	0.927
0.00	-0.125	0.042	0.073	1.000
0.25	0.125	0.065	0.113	1.113
0.50	0.375	0.237	0.411	1.524
0.75	0.625	0.243	0.422	1.946
1.00	0.875	1.234	2.142	4.088
1.25	1.125	2.958	5.134	9.222
1.50	1.375	6.791	11.788	21.010
1.75	1.625	9.664	16.775	37.784
2.00	1.875	10.905	18.929	56.713
2.25	2.125	12.261	21.282	77.996
2.50	2.375	8.435	14.641	92.637
2.75	2.625	3.444	5.978	98.615
3.00	2.875	0.628	1.090	99.705
3.25	3.125	0.144	0.250	99.955
3.50	3.375	0.019	0.033	99.988
3.75	3.625	0.004	0.007	99.995
4.00	3.875	0.002	0.003	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.8617	phi	(0.2751 mm)
Standard Dev:	0.5265	phi-units	(0.6942 mm)
Skewness:	-1.2281	dimensionless	
Kurtosis:	7.3050	dimensionless	
5th Moment:	-28.5907	dimensionless	
6th Moment:	146.4350	dimensionless	
RARD *	0.2828	dimensionless	
Median	1.7863	phi	(0.2899 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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