

Onshore Grab Sample

Sample: FK-43-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/2/10
Splits? N/A

County: Franklin
Latitude: 29° 46' 45.4" N
Longitude: 84° 39' 45.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	46.199 grams
Total Fines in Sample	0.021 grams
Total Percent Fines	0.05 %

Dry Sieving Summary

Total Sample Weight	45.965 grams
Total Digested Weight	45.990 grams
Total Carbonate Weight	-0.025 grams
Total Silica %	100.05 %
Total Carbonate %	-0.05 %
Carbonate/Silica Ratio	-0.001

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: 45.965 grams

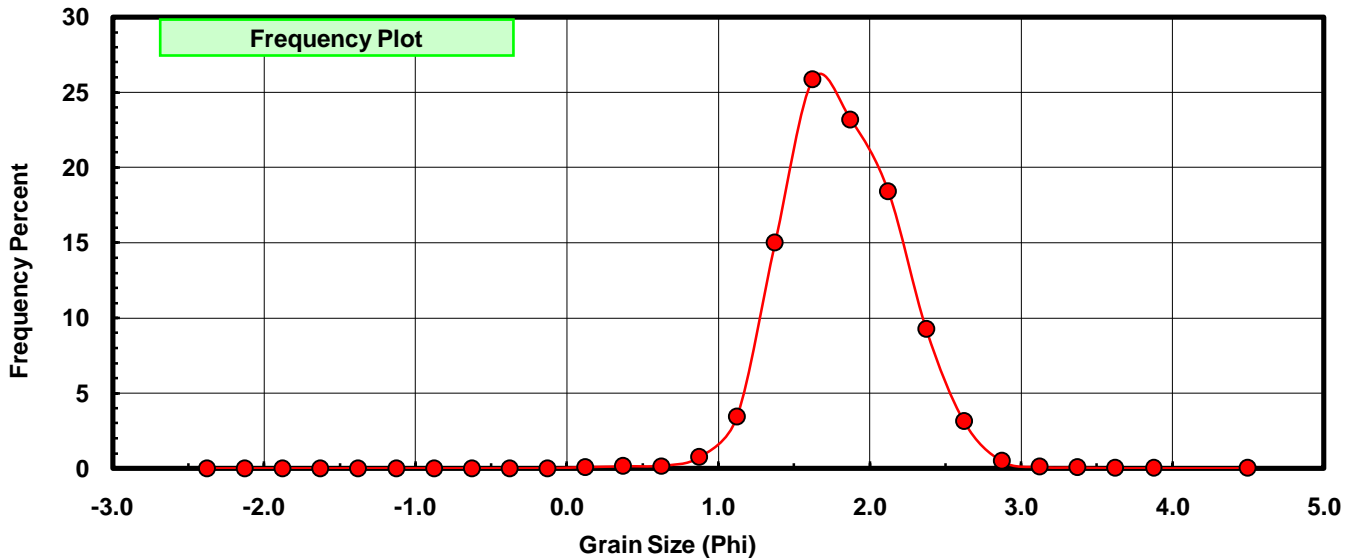
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.034	0.074	0.074
0.50	0.375	0.063	0.137	0.211
0.75	0.625	0.079	0.172	0.383
1.00	0.875	0.337	0.733	1.116
1.25	1.125	1.571	3.418	4.534
1.50	1.375	6.903	15.018	19.552
1.75	1.625	11.888	25.863	45.415
2.00	1.875	10.657	23.185	68.600
2.25	2.125	8.458	18.401	87.001
2.50	2.375	4.250	9.246	96.247
2.75	2.625	1.431	3.113	99.360
3.00	2.875	0.219	0.476	99.837
3.25	3.125	0.041	0.089	99.926
3.50	3.375	0.026	0.057	99.983
3.75	3.625	0.003	0.007	99.989
4.00	3.875	0.004	0.009	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.8194	phi	(0.2833 mm)
Standard Dev:	0.3856	phi-units	(0.7654 mm)
Skewness:	0.0950	dimensionless	
Kurtosis:	3.4340	dimensionless	
5th Moment:	0.1613	dimensionless	
6th Moment:	28.7384	dimensionless	
RARD *	0.2119	dimensionless	
Median	1.6744	phi	(0.3133 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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