

Onshore Grab Sample

Sample: FK-24-BB
Sample Taken By: D. Phelps
Sample Collected On: 10/11/10
Splits? N/A

County: Franklin
Latitude: 29° 37' 44.7" N
Longitude: 84° 55' 38.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	59.836 grams
Total Fines in Sample	0.014 grams
Total Percent Fines	0.02 %

Dry Sieving Summary

Total Sample Weight	59.863 grams
Total Digested Weight	59.487 grams
Total Carbonate Weight	0.376 grams
Total Silica %	99.37 %
Total Carbonate %	0.63 %
Carbonate/Silica Ratio	0.006

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: 59.863 grams

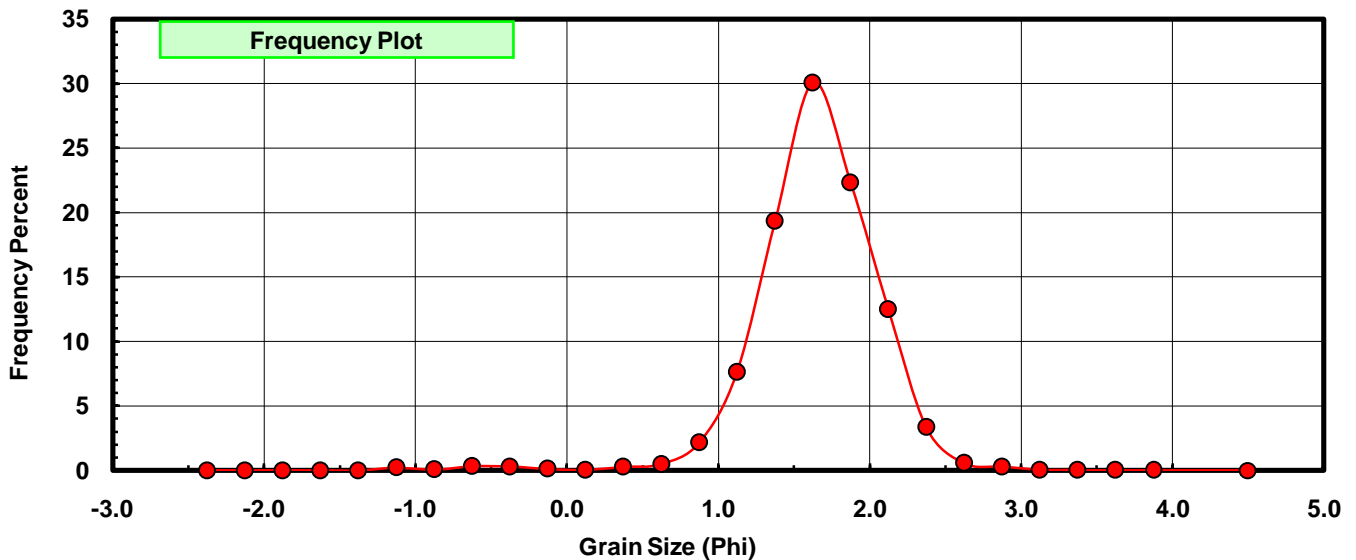
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.127	0.212	0.212
-0.75	-0.875	0.041	0.068	0.281
-0.50	-0.625	0.185	0.309	0.590
-0.25	-0.375	0.166	0.277	0.867
0.00	-0.125	0.061	0.102	0.969
0.25	0.125	0.025	0.042	1.011
0.50	0.375	0.161	0.269	1.280
0.75	0.625	0.288	0.481	1.761
1.00	0.875	1.287	2.150	3.911
1.25	1.125	4.562	7.621	11.531
1.50	1.375	11.583	19.349	30.881
1.75	1.625	18.008	30.082	60.963
2.00	1.875	13.350	22.301	83.263
2.25	2.125	7.466	12.472	95.735
2.50	2.375	2.007	3.353	99.088
2.75	2.625	0.334	0.558	99.646
3.00	2.875	0.172	0.287	99.933
3.25	3.125	0.022	0.037	99.970
3.50	3.375	0.010	0.017	99.987
3.75	3.625	0.004	0.007	99.993
4.00	3.875	0.003	0.005	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.6453	phi	(0.3197 mm)
Standard Dev:	0.4267	phi-units	(0.744 mm)
Skewness:	-1.4880	dimensionless	
Kurtosis:	10.8824	dimensionless	
5th Moment:	-50.5932	dimensionless	
6th Moment:	312.6600	dimensionless	
RARD *	0.2593	dimensionless	
Median	1.5339	phi	(0.3453 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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