

Onshore Grab Sample

Sample: FK-14-BB
Sample Taken By: D. Phelps
Sample Collected On: 9/3/10
Splits? N/A

County: Franklin
Latitude: 29° 35' 51.8" N
Longitude: 85° 3' 34.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	80.371 grams
Total Fines in Sample	0.014 grams
Total Percent Fines	0.02 %

Dry Sieving Summary

Total Sample Weight	80.224 grams
Total Digested Weight	78.282 grams
Total Carbonate Weight	1.942 grams
Total Silica %	97.58 %
Total Carbonate %	2.42 %
Carbonate/Silica Ratio	0.025

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: 80.224 grams

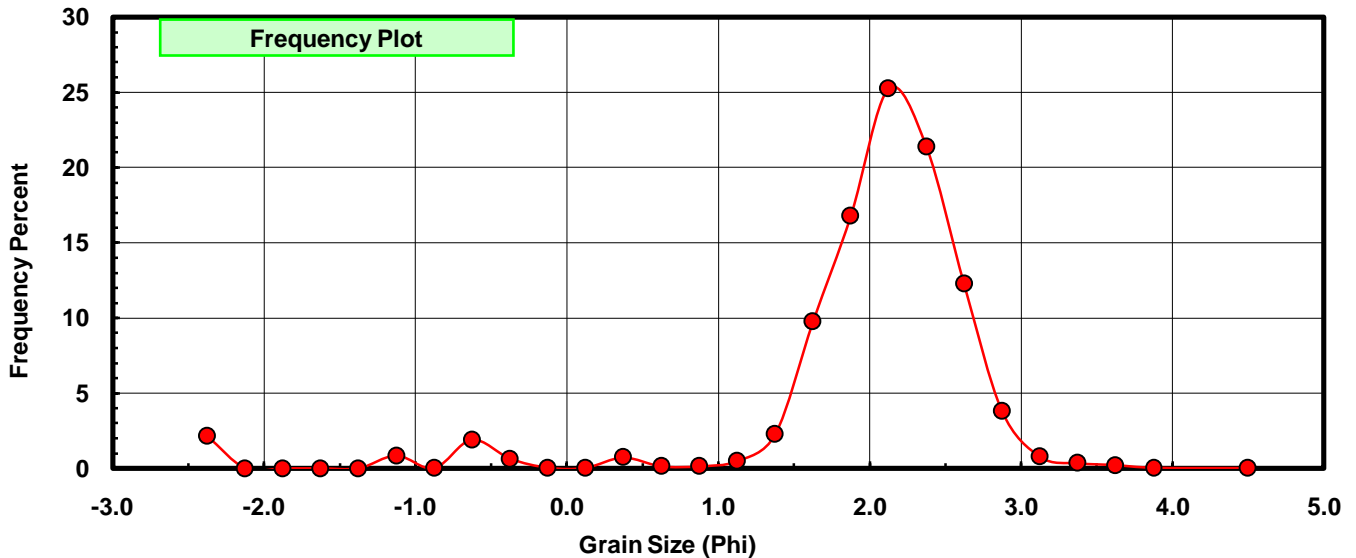
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	1.737	2.165	2.165
-2.00	-2.125	0.000	0.000	2.165
-1.75	-1.875	0.000	0.000	2.165
-1.50	-1.625	0.000	0.000	2.165
-1.25	-1.375	0.000	0.000	2.165
-1.00	-1.125	0.674	0.840	3.005
-0.75	-0.875	0.016	0.020	3.025
-0.50	-0.625	1.526	1.902	4.927
-0.25	-0.375	0.511	0.637	5.564
0.00	-0.125	0.030	0.037	5.602
0.25	0.125	0.021	0.026	5.628
0.50	0.375	0.584	0.728	6.356
0.75	0.625	0.107	0.133	6.489
1.00	0.875	0.110	0.137	6.626
1.25	1.125	0.389	0.485	7.111
1.50	1.375	1.822	2.271	9.382
1.75	1.625	7.830	9.760	19.143
2.00	1.875	13.457	16.774	35.917
2.25	2.125	20.247	25.238	61.155
2.50	2.375	17.167	21.399	82.554
2.75	2.625	9.848	12.276	94.829
3.00	2.875	3.058	3.812	98.641
3.25	3.125	0.618	0.770	99.412
3.50	3.375	0.278	0.347	99.758
3.75	3.625	0.169	0.211	99.969
4.00	3.875	0.021	0.026	99.995
5.00	4.50	0.004	0.005	100.000

Statistical Results			
Mean:	1.9602	phi	(0.257 mm)
Standard Dev:	0.9293	phi-units	(0.5251 mm)
Skewness:	-2.9769	dimensionless	
Kurtosis:	13.0842	dimensionless	
5th Moment:	-55.7635	dimensionless	
6th Moment:	248.5992	dimensionless	
RARD *	0.4741	dimensionless	
Median	2.0145	phi	(0.2475 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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