

Onshore Grab Sample

Sample: FK-51
Sample Taken By: D. Phelps
Sample Collected On: 12/8/10
Splits? N/A

County: Franklin
Latitude: 29° 54' 32.5" N
Longitude: 84° 29' 32.9" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	68.025 grams
Total Fines in Sample	0.083 grams
Total Percent Fines	0.12 %

Dry Sieving Summary

Total Sample Weight	68.187 grams
Total Digested Weight	67.918 grams
Total Carbonate Weight	0.269 grams
Total Silica %	99.61 %
Total Carbonate %	0.39 %
Carbonate/Silica Ratio	0.004

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: 68.187 grams

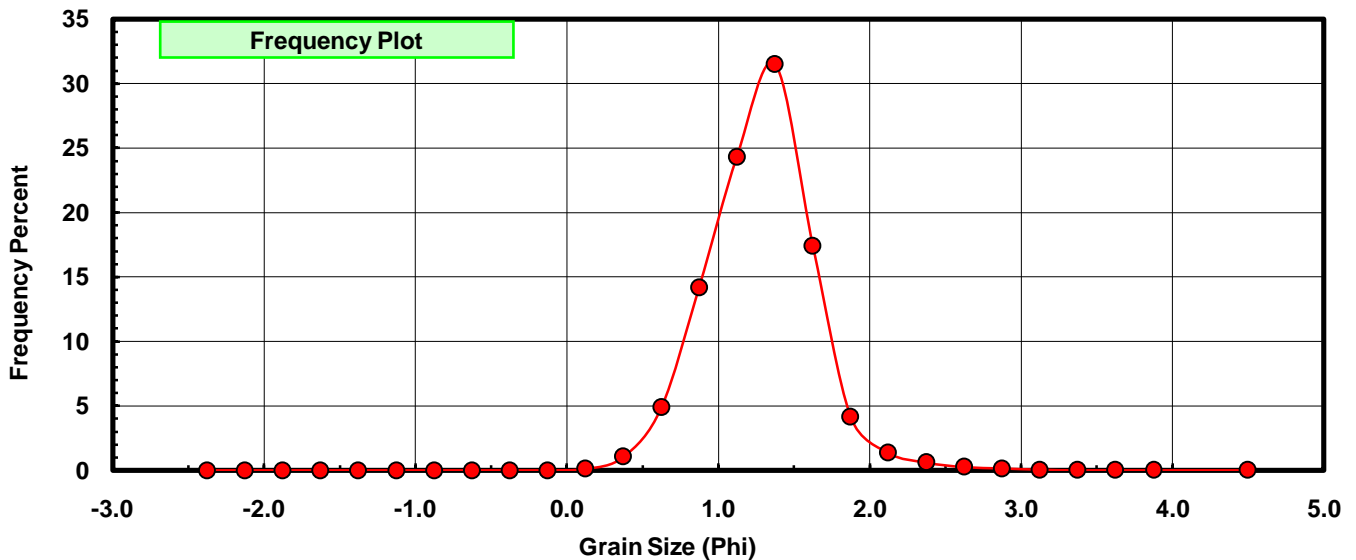
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.077	0.113	0.113
0.50	0.375	0.726	1.065	1.178
0.75	0.625	3.325	4.876	6.054
1.00	0.875	9.673	14.186	20.240
1.25	1.125	16.575	24.308	44.548
1.50	1.375	21.475	31.494	76.042
1.75	1.625	11.865	17.401	93.443
2.00	1.875	2.812	4.124	97.567
2.25	2.125	0.921	1.351	98.918
2.50	2.375	0.409	0.600	99.518
2.75	2.625	0.171	0.251	99.768
3.00	2.875	0.095	0.139	99.908
3.25	3.125	0.031	0.045	99.953
3.50	3.375	0.016	0.023	99.977
3.75	3.625	0.007	0.010	99.987
4.00	3.875	0.004	0.006	99.993
5.00	4.50	0.005	0.007	100.000

Statistical Results			
Mean:	1.2820	phi	(0.4112 mm)
Standard Dev:	0.3599	phi-units	(0.7792 mm)
Skewness:	0.4193	dimensionless	
Kurtosis:	5.1881	dimensionless	
5th Moment:	14.5023	dimensionless	
6th Moment:	103.5187	dimensionless	
RARD *	0.2807	dimensionless	
Median	1.1683	phi	(0.445 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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