

Onshore Grab Sample

Sample: FK-57-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/8/10
Splits? N/A

County: Franklin
Latitude: 29° 54' 8.8" N
Longitude: 84° 24' 47.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	48.028 grams
Total Fines in Sample	0.125 grams
Total Percent Fines	0.26 %

Dry Sieving Summary

Total Sample Weight	47.734 grams
Total Digested Weight	47.682 grams
Total Carbonate Weight	0.052 grams
Total Silica %	99.89 %
Total Carbonate %	0.11 %
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: 47.734 grams

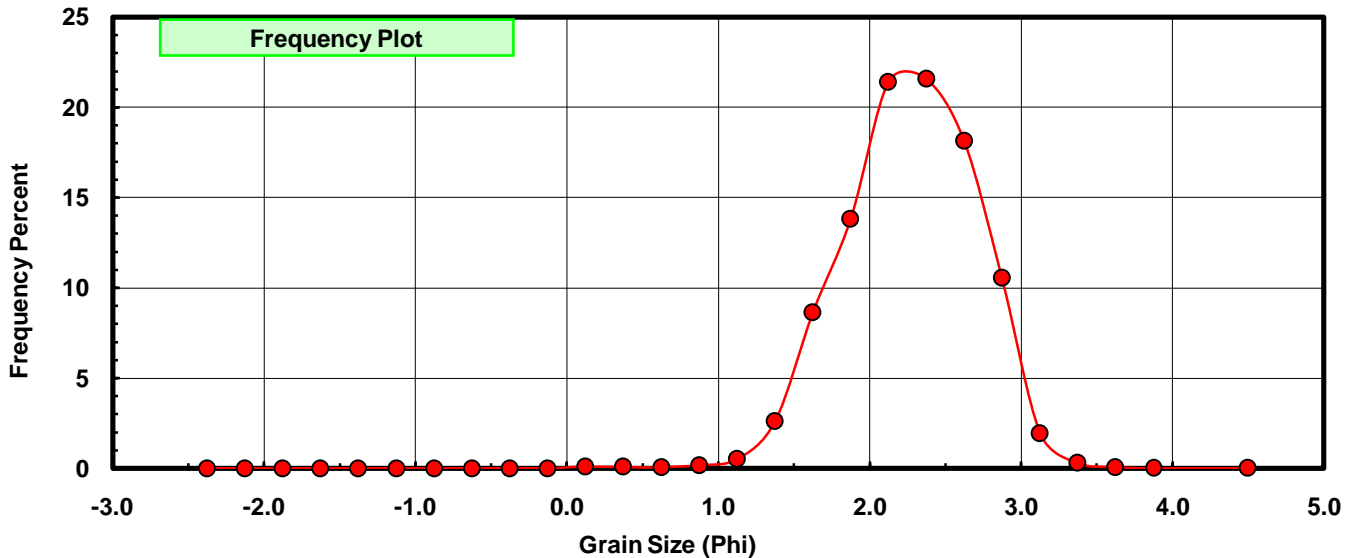
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.045	0.094	0.094
0.50	0.375	0.039	0.082	0.176
0.75	0.625	0.029	0.061	0.237
1.00	0.875	0.079	0.166	0.402
1.25	1.125	0.239	0.501	0.903
1.50	1.375	1.246	2.610	3.513
1.75	1.625	4.129	8.650	12.163
2.00	1.875	6.601	13.829	25.992
2.25	2.125	10.218	21.406	47.398
2.50	2.375	10.299	21.576	68.974
2.75	2.625	8.659	18.140	87.114
3.00	2.875	5.042	10.563	97.677
3.25	3.125	0.928	1.944	99.621
3.50	3.375	0.144	0.302	99.922
3.75	3.625	0.029	0.061	99.983
4.00	3.875	0.006	0.013	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	2.2646	phi	(0.2081 mm)
Standard Dev:	0.4348	phi-units	(0.7398 mm)
Skewness:	-0.3381	dimensionless	
Kurtosis:	3.4363	dimensionless	
5th Moment:	-5.3609	dimensionless	
6th Moment:	32.1005	dimensionless	
RARD *	0.1920	dimensionless	
Median	2.1551	phi	(0.2245 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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