

Onshore Grab Sample

Sample: FK-01-BB
Sample Taken By: D. Phelps
Sample Collected On: 9/1/10
Splits? N/A

County: Franklin
Latitude: 29° 40' 39.2" N
Longitude: 85° 13' 20.3" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	52.029 grams
Total Fines in Sample	0.068 grams
Total Percent Fines	0.13 %

Dry Sieving Summary

Total Sample Weight	51.728 grams
Total Digested Weight	50.927 grams
Total Carbonate Weight	0.801 grams
Total Silica %	98.45 %
Total Carbonate %	1.55 %
Carbonate/Silica Ratio	0.016

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: 51.728 grams

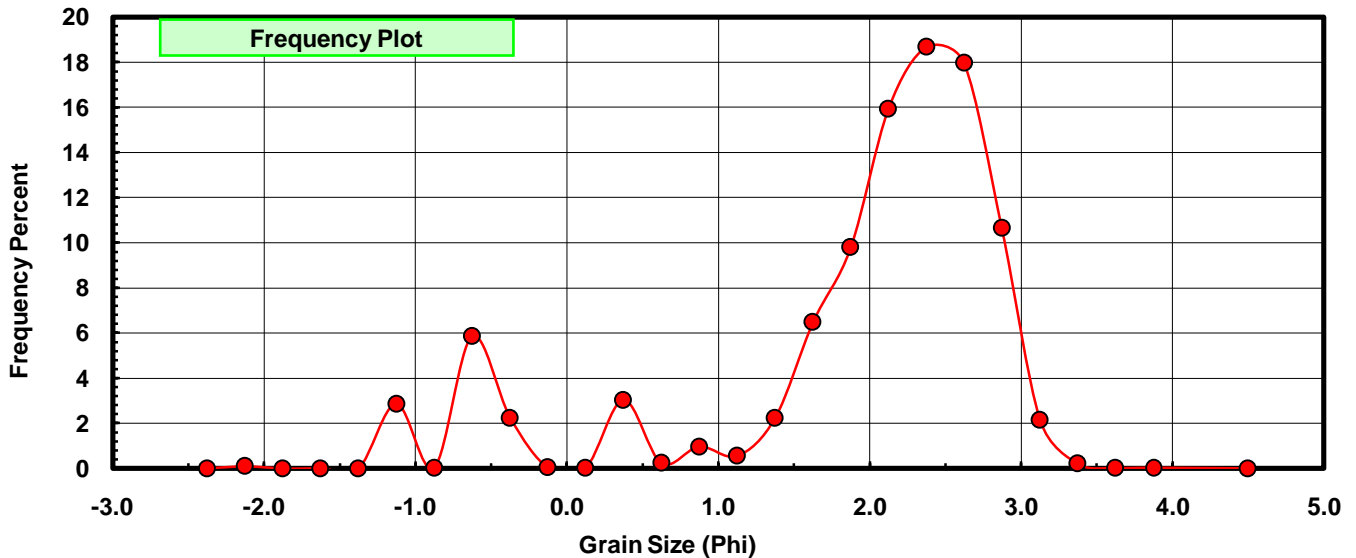
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.047	0.091	0.091
-1.75	-1.875	0.000	0.000	0.091
-1.50	-1.625	0.000	0.000	0.091
-1.25	-1.375	0.000	0.000	0.091
-1.00	-1.125	1.476	2.853	2.944
-0.75	-0.875	0.013	0.025	2.969
-0.50	-0.625	3.025	5.848	8.817
-0.25	-0.375	1.156	2.235	11.052
0.00	-0.125	0.021	0.041	11.093
0.25	0.125	0.012	0.023	11.116
0.50	0.375	1.567	3.029	14.145
0.75	0.625	0.123	0.238	14.383
1.00	0.875	0.497	0.961	15.344
1.25	1.125	0.281	0.543	15.887
1.50	1.375	1.158	2.239	18.126
1.75	1.625	3.352	6.480	24.606
2.00	1.875	5.064	9.790	34.395
2.25	2.125	8.240	15.929	50.325
2.50	2.375	9.662	18.678	69.003
2.75	2.625	9.292	17.963	86.966
3.00	2.875	5.503	10.638	97.605
3.25	3.125	1.105	2.136	99.741
3.50	3.375	0.108	0.209	99.950
3.75	3.625	0.012	0.023	99.973
4.00	3.875	0.014	0.027	100.000
5.00	4.50	0.000	0.000	100.000

Statistical Results			
Mean:	1.9030	phi	(0.2674 mm)
Standard Dev:	1.0836	phi-units	(0.4718 mm)
Skewness:	-1.5753	dimensionless	
Kurtosis:	4.4782	dimensionless	
5th Moment:	-10.7505	dimensionless	
6th Moment:	28.3729	dimensionless	
RARD *	0.5694	dimensionless	
Median	2.1199	phi	(0.2301 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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