

Onshore Grab Sample

Sample: FK-15-BB
Sample Taken By: D. Phelps
Sample Collected On: 9/3/10
Splits? N/A

County: Franklin
Latitude: 29° 35' 18.2" N
Longitude: 85° 2' 53.2" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 134.513 grams
Total Fines in Sample 0.011 grams
Total Percent Fines 0.01 %

Dry Sieving Summary

Total Sample Weight 134.105 grams
Total Digested Weight 133.900 grams
Total Carbonate Weight 0.205 grams
Total Silica % 99.85 %
Total Carbonate % 0.15 %
Carbonate/Silica Ratio 0.002

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: 134.105 grams

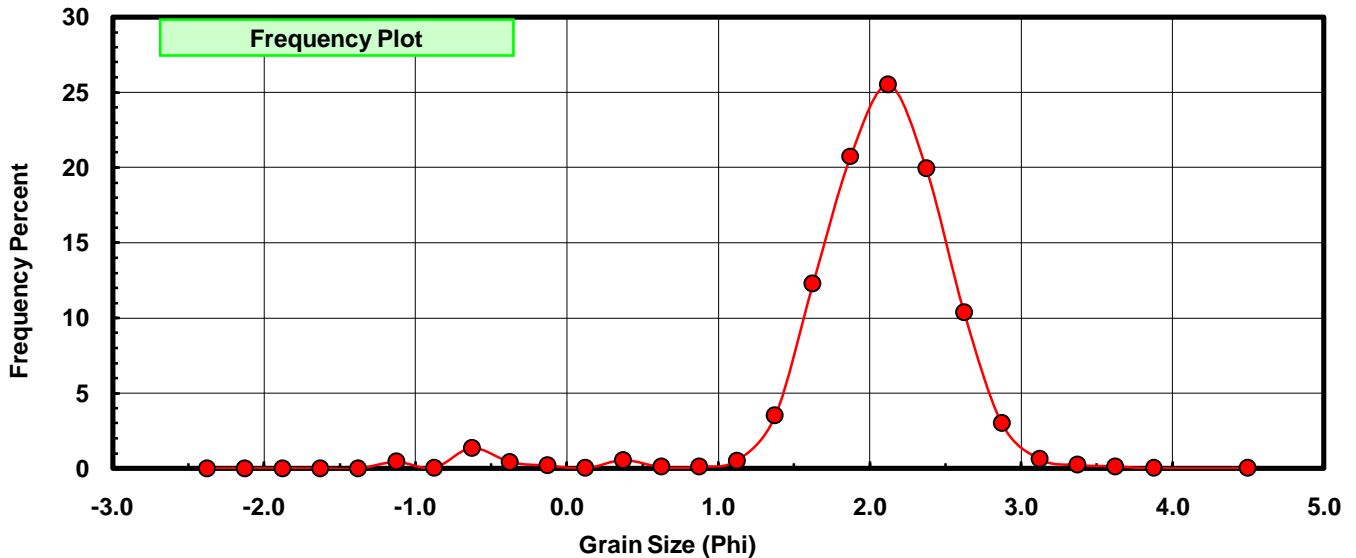
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.582	0.434	0.434
-0.75	-0.875	0.054	0.040	0.474
-0.50	-0.625	1.827	1.362	1.837
-0.25	-0.375	0.556	0.415	2.251
0.00	-0.125	0.258	0.192	2.444
0.25	0.125	0.015	0.011	2.455
0.50	0.375	0.739	0.551	3.006
0.75	0.625	0.124	0.092	3.098
1.00	0.875	0.136	0.101	3.200
1.25	1.125	0.685	0.511	3.711
1.50	1.375	4.702	3.506	7.217
1.75	1.625	16.458	12.272	19.489
2.00	1.875	27.847	20.765	40.254
2.25	2.125	34.186	25.492	65.746
2.50	2.375	26.707	19.915	85.661
2.75	2.625	13.920	10.380	96.041
3.00	2.875	4.010	2.990	99.031
3.25	3.125	0.810	0.604	99.635
3.50	3.375	0.307	0.229	99.864
3.75	3.625	0.164	0.122	99.987
4.00	3.875	0.015	0.011	99.998
5.00	4.50	0.003	0.002	100.000

Statistical Results			
Mean:	2.0354	phi	(0.2439 mm)
Standard Dev:	0.5833	phi-units	(0.6675 mm)
Skewness:	-2.3774	dimensionless	
Kurtosis:	12.5778	dimensionless	
5th Moment:	-55.6462	dimensionless	
6th Moment:	271.6061	dimensionless	
RARD *	0.2866	dimensionless	
Median	1.9706	phi	(0.2552 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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