

Onshore Grab Sample

Sample: FK-61-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/8/10
Splits? N/A

County: Franklin
Latitude: 29° 53' 47.6" N
Longitude: 84° 21' 7.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 52.21 grams
Total Fines in Sample 0.048 grams
Total Percent Fines 0.09 %

Dry Sieving Summary

Total Sample Weight 51.980 grams
Total Digested Weight 51.694 grams
Total Carbonate Weight 0.286 grams
Total Silica % 99.45 %
Total Carbonate % 0.55 %
Carbonate/Silica Ratio 0.006

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: 51.980 grams

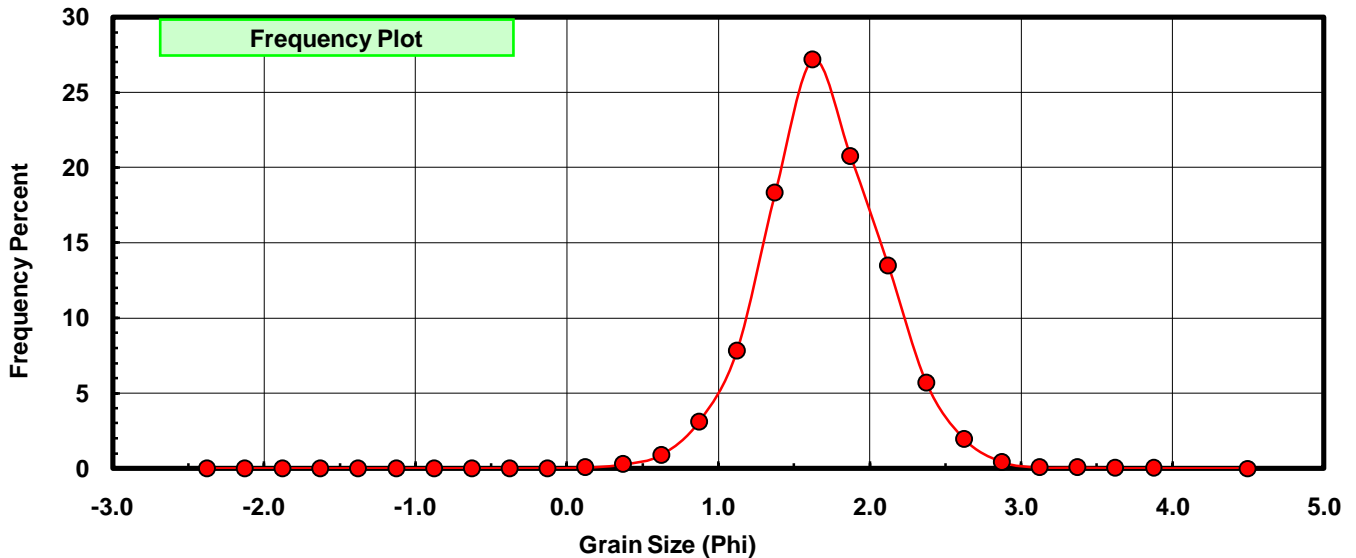
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.034	0.065	0.065
0.50	0.375	0.140	0.269	0.335
0.75	0.625	0.455	0.875	1.210
1.00	0.875	1.610	3.097	4.307
1.25	1.125	4.058	7.807	12.114
1.50	1.375	9.516	18.307	30.421
1.75	1.625	14.122	27.168	57.589
2.00	1.875	10.775	20.729	78.319
2.25	2.125	6.999	13.465	91.783
2.50	2.375	2.962	5.698	97.482
2.75	2.625	1.017	1.957	99.438
3.00	2.875	0.221	0.425	99.863
3.25	3.125	0.032	0.062	99.925
3.50	3.375	0.024	0.046	99.971
3.75	3.625	0.010	0.019	99.990
4.00	3.875	0.004	0.008	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.6930	phi	(0.3093 mm)
Standard Dev:	0.4129	phi-units	(0.7511 mm)
Skewness:	0.0447	dimensionless	
Kurtosis:	3.4929	dimensionless	
5th Moment:	0.9081	dimensionless	
6th Moment:	25.4064	dimensionless	
RARD *	0.2439	dimensionless	
Median	1.5552	phi	(0.3403 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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