

Onshore Grab Sample

Sample: FK-63
Sample Taken By: D. Phelps
Sample Collected On: 12/8/10
Splits? N/A

County: Franklin
Latitude: 29° 55' 8.7" N
Longitude: 84° 20' 5.0" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 52.972 grams
Total Fines in Sample 0.201 grams
Total Percent Fines 0.38 %

Dry Sieving Summary

Total Sample Weight 52.947 grams
Total Digested Weight 52.671 grams
Total Carbonate Weight 0.276 grams
Total Silica % 99.48 %
Total Carbonate % 0.52 %
Carbonate/Silica Ratio 0.005

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: 52.947 grams

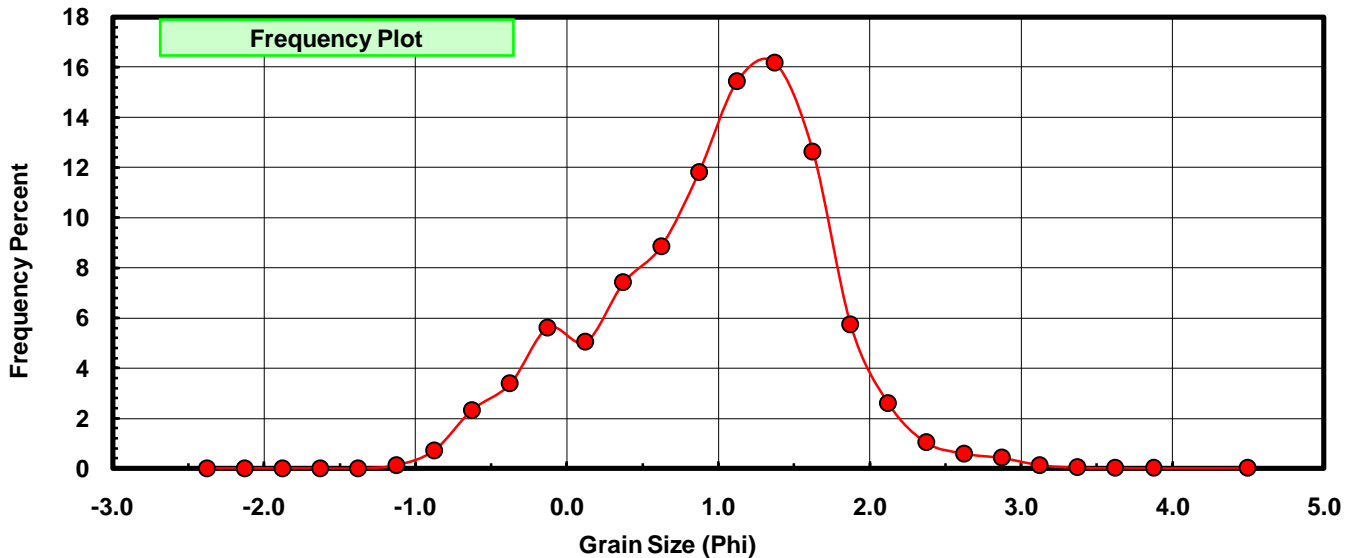
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.065	0.123	0.123
-0.75	-0.875	0.377	0.712	0.835
-0.50	-0.625	1.228	2.319	3.154
-0.25	-0.375	1.788	3.377	6.531
0.00	-0.125	2.969	5.607	12.139
0.25	0.125	2.669	5.041	17.179
0.50	0.375	3.922	7.407	24.587
0.75	0.625	4.690	8.858	33.445
1.00	0.875	6.255	11.814	45.258
1.25	1.125	8.165	15.421	60.680
1.50	1.375	8.559	16.165	76.845
1.75	1.625	6.689	12.633	89.478
2.00	1.875	3.033	5.728	95.207
2.25	2.125	1.372	2.591	97.798
2.50	2.375	0.544	1.027	98.825
2.75	2.625	0.309	0.584	99.409
3.00	2.875	0.221	0.417	99.826
3.25	3.125	0.062	0.117	99.943
3.50	3.375	0.016	0.030	99.974
3.75	3.625	0.006	0.011	99.985
4.00	3.875	0.005	0.009	99.994
5.00	4.50	0.003	0.006	100.000

Statistical Results			
Mean:	0.9720	phi	(0.5098 mm)
Standard Dev:	0.7263	phi-units	(0.6044 mm)
Skewness:	-0.3269	dimensionless	
Kurtosis:	2.9011	dimensionless	
5th Moment:	-1.1642	dimensionless	
6th Moment:	13.6868	dimensionless	
RARD *	0.7473	dimensionless	
Median	0.9519	phi	(0.517 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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