

Onshore Grab Sample

Sample: FK-34-BB
Sample Taken By: D. Phelps
Sample Collected On: 10/11/10
Splits? N/A

County: Franklin
Latitude: 29° 41' 34.7" N
Longitude: 84° 46' 35.7" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	57.914 grams
Total Fines in Sample	0.013 grams
Total Percent Fines	0.02 %

Dry Sieving Summary

Total Sample Weight	57.827 grams
Total Digested Weight	57.064 grams
Total Carbonate Weight	0.763 grams
Total Silica %	98.68 %
Total Carbonate %	1.32 %
Carbonate/Silica Ratio	0.013

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: 57.827 grams

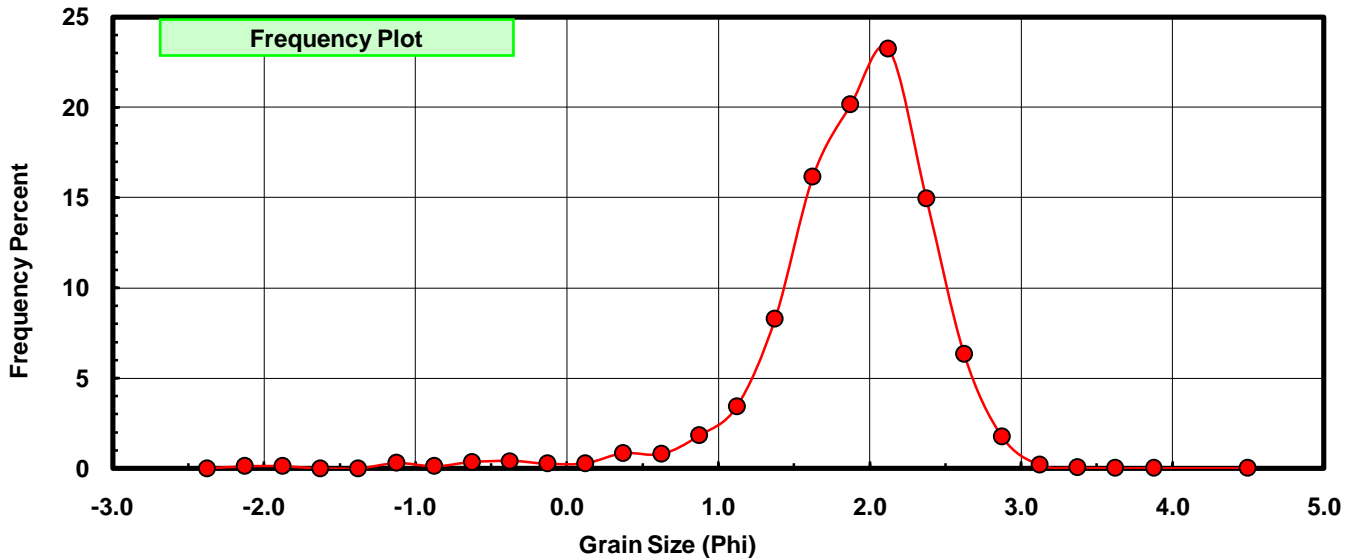
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.066	0.114	0.114
-1.75	-1.875	0.068	0.118	0.232
-1.50	-1.625	0.000	0.000	0.232
-1.25	-1.375	0.000	0.000	0.232
-1.00	-1.125	0.166	0.287	0.519
-0.75	-0.875	0.069	0.119	0.638
-0.50	-0.625	0.201	0.348	0.986
-0.25	-0.375	0.247	0.427	1.413
0.00	-0.125	0.148	0.256	1.669
0.25	0.125	0.161	0.278	1.947
0.50	0.375	0.483	0.835	2.782
0.75	0.625	0.461	0.797	3.580
1.00	0.875	1.050	1.816	5.395
1.25	1.125	1.981	3.426	8.821
1.50	1.375	4.797	8.295	17.117
1.75	1.625	9.350	16.169	33.285
2.00	1.875	11.656	20.157	53.442
2.25	2.125	13.439	23.240	76.682
2.50	2.375	8.649	14.957	91.639
2.75	2.625	3.664	6.336	97.975
3.00	2.875	1.019	1.762	99.737
3.25	3.125	0.111	0.192	99.929
3.50	3.375	0.024	0.042	99.971
3.75	3.625	0.008	0.014	99.984
4.00	3.875	0.008	0.014	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.8792	phi	(0.2718 mm)
Standard Dev:	0.5895	phi-units	(0.6646 mm)
Skewness:	-1.9639	dimensionless	
Kurtosis:	10.9558	dimensionless	
5th Moment:	-53.2962	dimensionless	
6th Moment:	303.3247	dimensionless	
RARD *	0.3137	dimensionless	
Median	1.8323	phi	(0.2808 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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