

Quality Control Statistical Summary

Onshore Grab Sample: FK-32-BB

Sample Taken By: D. Phelps

Latitude: 29° 40' 46.6" N

Sample Taken On: 10/11/10

Longitude: 84° 48' 21.5" W

County: Franklin

Datum: WGS 84

Statistical Results: Pre-CaCO3					
	Duplicate			Original	
Mean:	1.8343	phi	(0.2804 mm)	1.7023	phi (0.3073 mm)
Standard Dev:	0.5103	phi-units	(0.7021 mm)	0.6235	phi-units (0.6491 mm)
Skewness:	-0.8424	dimensionless		-1.1825	dimensionless
Kurtosis:	4.6393	dimensionless		5.3991	dimensionless
5th Moment:	-11.0476	dimensionless		-16.3168	dimensionless
6th Moment:	51.3266	dimensionless		67.0147	dimensionless
RARD*:	0.2782	dimensionless		0.3663	dimensionless
Median:	1.7650	phi	(0.2942 mm)	1.6883	phi (0.3103 mm)

Statistical Results: CaCO3	
Not Enough Carbonate Material to do Post-Digestion Analysis	

Statistical Results: Post-CaCO3	
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Additional Data	
Total Fines	
Original:	0.08 %
Duplicate:	0.01 %
Total Carbonates	
Original:	1.96 %
Duplicate:	1.38 %

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	
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)

Pre-Digestion Grain Size Distribution

Onshore Grab Sample: FK-32-BB

Total Duplicate Sample Mass: 58.196 grams

Total Original Sample Mass: 68.545 grams

Sieve Size (phi)	Sieve Midpt (phi)	Weight of Dupl (grams)	Freq Weight %	Cumulative Weight %	Weight of Original (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000	0.252	0.368	0.368
-0.75	-0.875	0.000	0.000	0.000	0.048	0.070	0.438
-0.50	-0.625	0.101	0.174	0.174	0.451	0.658	1.096
-0.25	-0.375	0.036	0.062	0.235	0.265	0.387	1.482
0.00	-0.125	0.131	0.225	0.461	0.216	0.315	1.797
0.25	0.125	0.158	0.271	0.732	0.286	0.417	2.215
0.50	0.375	0.516	0.887	1.619	1.269	1.851	4.066
0.75	0.625	0.849	1.459	3.078	2.046	2.985	7.051
1.00	0.875	2.234	3.839	6.916	3.864	5.637	12.688
1.25	1.125	2.665	4.579	11.496	4.754	6.936	19.624
1.50	1.375	5.508	9.465	20.960	6.875	10.030	29.654
1.75	1.625	9.034	15.523	36.484	10.631	15.510	45.163
2.00	1.875	14.051	24.144	60.628	13.088	19.094	64.257
2.25	2.125	11.696	20.098	80.725	13.862	20.223	84.480
2.50	2.375	7.915	13.601	94.326	7.768	11.333	95.813
2.75	2.625	2.606	4.478	98.804	2.311	3.372	99.184
3.00	2.875	0.563	0.967	99.771	0.421	0.614	99.799
3.25	3.125	0.082	0.141	99.912	0.090	0.131	99.930
3.50	3.375	0.037	0.064	99.976	0.028	0.041	99.971
3.75	3.625	0.010	0.017	99.993	0.016	0.023	99.994
4.00	3.875	0.000	0.000	99.993	0.003	0.004	99.999
5.00	4.500	0.004	0.007	100.000	0.001	0.001	100.000



