

Quality Control Statistical Summary

Onshore Grab Sample: FK-22-BB

Sample Taken By: D. Phelps

Latitude: 29° 36' 51.2" N

Sample Taken On: 10/11/10

Longitude: 84° 57' 23.7" W

County: Franklin

Datum: WGS 84

Statistical Results: Pre-CaCO3					
	Duplicate			Original	
Mean:	1.2994	phi	(0.4063 mm)	1.2743	phi (0.4134 mm)
Standard Dev:	0.4959	phi-units	(0.7091 mm)	0.5285	phi-units (0.6933 mm)
Skewness:	-1.2067	dimensionless		-1.2867	dimensionless
Kurtosis:	10.5659	dimensionless		9.3953	dimensionless
5th Moment:	-48.2846	dimensionless		-43.0944	dimensionless
6th Moment:	331.9904	dimensionless		269.4129	dimensionless
RARD*:	0.3816	dimensionless		0.4148	dimensionless
Median:	1.1885	phi	(0.4388 mm)	1.1825	phi (0.4406 mm)

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

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Additional Data	
Total Fines	
Original:	0.01 %
Duplicate:	0.02 %
Total Carbonates	
Original:	3.14 %
Duplicate:	3.04 %

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-22-BB

Total Duplicate Sample Mass: 44.037 grams

Total Original Sample Mass: 57.246 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	0.063	0.143	0.143	0.170	0.297	0.297
-1.75	-1.875	0.046	0.104	0.248	0.000	0.000	0.297
-1.50	-1.625	0.000	0.000	0.248	0.014	0.024	0.321
-1.25	-1.375	0.107	0.243	0.490	0.041	0.072	0.393
-1.00	-1.125	0.018	0.041	0.531	0.076	0.133	0.526
-0.75	-0.875	0.038	0.086	0.618	0.066	0.115	0.641
-0.50	-0.625	0.096	0.218	0.836	0.241	0.421	1.062
-0.25	-0.375	0.034	0.077	0.913	0.139	0.243	1.305
0.00	-0.125	0.120	0.272	1.185	0.155	0.271	1.576
0.25	0.125	0.183	0.416	1.601	0.332	0.580	2.156
0.50	0.375	0.663	1.506	3.106	1.544	2.697	4.853
0.75	0.625	1.933	4.389	7.496	3.659	6.392	11.244
1.00	0.875	6.767	15.367	22.863	8.321	14.536	25.780
1.25	1.125	9.097	20.658	43.520	10.864	18.978	44.758
1.50	1.375	11.236	25.515	69.035	13.046	22.789	67.547
1.75	1.625	7.234	16.427	85.462	10.111	17.662	85.209
2.00	1.875	4.098	9.306	94.768	5.283	9.229	94.438
2.25	2.125	1.454	3.302	98.070	2.321	4.054	98.492
2.50	2.375	0.597	1.356	99.425	0.628	1.097	99.589
2.75	2.625	0.171	0.388	99.814	0.169	0.295	99.885
3.00	2.875	0.051	0.116	99.930	0.039	0.068	99.953
3.25	3.125	0.016	0.036	99.966	0.015	0.026	99.979
3.50	3.375	0.008	0.018	99.984	0.006	0.010	99.990
3.75	3.625	0.003	0.007	99.991	0.003	0.005	99.995
4.00	3.875	0.000	0.000	99.991	0.002	0.003	99.998
5.00	4.500	0.004	0.009	100.000	0.001	0.002	100.000



