

Quality Control Statistical Summary

Onshore Grab Sample: FK-61-BB

Sample Taken By: D. Phelps

Latitude: 29° 53' 47.6" N

Sample Taken On: 12/08/10

Longitude: 84° 21' 7.4" W

County: Franklin

Datum: WGS 84

Statistical Results: Pre-CaCO3					
	Duplicate			Original	
Mean:	1.8241	phi	(0.2824 mm)	1.6930	phi (0.3093 mm)
Standard Dev:	0.4465	phi-units	(0.7338 mm)	0.4129	phi-units (0.7511 mm)
Skewness:	-0.1799	dimensionless		0.0447	dimensionless
Kurtosis:	3.9919	dimensionless		3.4929	dimensionless
5th Moment:	-7.5309	dimensionless		0.9081	dimensionless
6th Moment:	58.1807	dimensionless		25.4064	dimensionless
RARD*:	0.2448	dimensionless		0.2439	dimensionless
Median:	1.6940	phi	(0.3091 mm)	1.5552	phi (0.3403 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:	0.1 %
Duplicate:	0 %
Total Carbonates	
Original:	0.55 %
Duplicate:	0.34 %

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-61-BB

Total Duplicate Sample Mass: 64.260 grams

Total Original Sample Mass: 51.980 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	0.000	0.000	0.000
-0.75	-0.875	0.053	0.082	0.082	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.082	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.082	0.000	0.000	0.000
0.00	-0.125	0.037	0.058	0.140	0.000	0.000	0.000
0.25	0.125	0.014	0.022	0.162	0.034	0.065	0.065
0.50	0.375	0.064	0.100	0.261	0.140	0.269	0.335
0.75	0.625	0.242	0.377	0.638	0.455	0.875	1.210
1.00	0.875	1.391	2.165	2.803	1.610	3.097	4.307
1.25	1.125	3.375	5.252	8.055	4.058	7.807	12.114
1.50	1.375	9.543	14.851	22.905	9.516	18.307	30.421
1.75	1.625	13.274	20.657	43.562	14.122	27.168	57.589
2.00	1.875	14.988	23.324	66.886	10.775	20.729	78.319
2.25	2.125	10.037	15.619	82.505	6.999	13.465	91.783
2.50	2.375	7.302	11.363	93.869	2.962	5.698	97.482
2.75	2.625	2.980	4.637	98.506	1.017	1.957	99.438
3.00	2.875	0.873	1.359	99.865	0.221	0.425	99.863
3.25	3.125	0.070	0.109	99.974	0.032	0.062	99.925
3.50	3.375	0.012	0.019	99.992	0.024	0.046	99.971
3.75	3.625	0.003	0.005	99.997	0.010	0.019	99.990
4.00	3.875	0.000	0.000	99.997	0.004	0.008	99.998
5.00	4.500	0.002	0.003	100.000	0.001	0.002	100.000



