

Quality Control Statistical Summary

Onshore Grab Sample: WL-02-BB

Sample Taken By: D. Phelps

Latitude: 30° 22' 36.7" N

Sample Taken On: 02/16/11

Longitude: 86° 22' 4.9" W

County: Walton

Datum: WGS 84

Statistical Results: Pre-CaCO3						
	Duplicate			Original		
Mean:	1.4779	phi	(0.359 mm)	1.4791	phi	(0.3587 mm)
Standard Dev:	0.7039	phi-units	(0.6139 mm)	0.7177	phi-units	(0.608 mm)
Skewness:	-0.4603	dimensionless		-0.4296	dimensionless	
Kurtosis:	3.6420	dimensionless		3.6352	dimensionless	
5th Moment:	-3.8678	dimensionless		-3.4870	dimensionless	
6th Moment:	23.8790	dimensionless		22.7919	dimensionless	
RARD*:	0.4763	dimensionless		0.4853	dimensionless	
Median:	1.4208	phi	(0.3735 mm)	1.4188	phi	(0.374 mm)

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

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

Additional Data	
Total Fines	
Original:	0.19 %
Duplicate:	0.22 %
Total Carbonates	
Original:	0.51 %
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: WL-02-BB

Total Duplicate Sample Mass: 51.907 grams

Total Original Sample Mass: 53.266 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	0.091	0.175	0.175	0.000	0.000	0.000
-0.75	-0.875	0.055	0.106	0.281	0.223	0.419	0.419
-0.50	-0.625	0.315	0.607	0.888	0.404	0.758	1.177
-0.25	-0.375	0.424	0.817	1.705	0.387	0.727	1.904
0.00	-0.125	0.866	1.668	3.373	0.924	1.735	3.638
0.25	0.125	1.166	2.246	5.620	1.065	1.999	5.638
0.50	0.375	1.840	3.545	9.164	1.932	3.627	9.265
0.75	0.625	2.138	4.119	13.283	2.353	4.417	13.682
1.00	0.875	4.723	9.099	22.382	4.629	8.690	22.373
1.25	1.125	4.727	9.107	31.489	4.996	9.379	31.752
1.50	1.375	7.982	15.378	46.867	8.119	15.242	46.994
1.75	1.625	8.874	17.096	63.962	9.143	17.165	64.159
2.00	1.875	8.317	16.023	79.985	8.194	15.383	79.542
2.25	2.125	4.557	8.779	88.765	4.677	8.780	88.323
2.50	2.375	3.008	5.795	94.560	2.962	5.561	93.884
2.75	2.625	1.552	2.990	97.549	1.749	3.284	97.167
3.00	2.875	0.909	1.751	99.301	1.061	1.992	99.159
3.25	3.125	0.216	0.416	99.717	0.246	0.462	99.621
3.50	3.375	0.089	0.171	99.888	0.114	0.214	99.835
3.75	3.625	0.038	0.073	99.961	0.046	0.086	99.921
4.00	3.875	0.000	0.000	99.961	0.023	0.043	99.964
5.00	4.500	0.020	0.039	100.000	0.019	0.036	100.000



