

# Quality Control Statistical Summary

Onshore Grab Sample: OA-25-BB

Sample Taken By: J. Ladner

Latitude: 30° 22' 58.53"

Sample Taken On: 09/12/06

Longitude: 86° 25' 53.46"

County: Okaloosa

Datum: NAD 83

Statistical Results: Pre-CaCO3						
	Duplicate			Original		
Mean:	1.3554	phi	(0.3908 mm)	1.3306	phi	(0.3976 mm)
Standard Dev:	0.4034	phi-units	(0.7561 mm)	0.3989	phi-units	(0.7584 mm)
Skewness:	0.0528	dimensionless		0.0710	dimensionless	
Kurtosis:	3.2822	dimensionless		3.4212	dimensionless	
5th Moment:	2.2988	dimensionless		2.4827	dimensionless	
6th Moment:	27.8783	dimensionless		39.6426	dimensionless	
RARD*:	0.2976	dimensionless		0.2998	dimensionless	
Median:	1.2391	phi	(0.4236 mm)	1.2056	phi	(0.4336 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	
<b>Total Fines</b>	
Original:	0 %
Duplicate:	0 %
<b>Total Carbonates</b>	
Original:	0.09 %
Duplicate:	0.06 %

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: OA-25-BB

Total Duplicate Sample Mass: 67.201 grams

Total Original Sample Mass: 66.286 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	0.002	0.003	0.003
-0.75	-0.875	0.000	0.000	0.000	0.000	0.000	0.003
-0.50	-0.625	0.000	0.000	0.000	0.004	0.006	0.009
-0.25	-0.375	0.000	0.000	0.000	0.019	0.029	0.038
0.00	-0.125	0.024	0.036	0.036	0.021	0.032	0.069
0.25	0.125	0.145	0.216	0.251	0.172	0.259	0.329
0.50	0.375	0.851	1.266	1.518	0.734	1.107	1.436
0.75	0.625	2.616	3.893	5.411	2.759	4.162	5.598
1.00	0.875	9.845	14.650	20.061	10.237	15.444	21.042
1.25	1.125	12.208	18.166	38.227	13.998	21.118	42.160
1.50	1.375	17.333	25.793	64.020	16.119	24.317	66.477
1.75	1.625	13.692	20.375	84.395	12.814	19.331	85.808
2.00	1.875	7.578	11.277	95.671	6.715	10.130	95.939
2.25	2.125	2.113	3.144	98.815	2.161	3.260	99.199
2.50	2.375	0.565	0.841	99.656	0.397	0.599	99.798
2.75	2.625	0.151	0.225	99.881	0.086	0.130	99.928
3.00	2.875	0.050	0.074	99.955	0.024	0.036	99.964
3.25	3.125	0.016	0.024	99.979	0.010	0.015	99.979
3.50	3.375	0.009	0.013	99.993	0.005	0.008	99.986
3.75	3.625	0.003	0.004	99.997	0.004	0.006	99.992
4.00	3.875	0.000	0.000	99.997	0.001	0.002	99.994
5.00	4.500	0.002	0.003	100.000	0.004	0.006	100.000



