

**Onshore Grab Sample**

**Sample:** OA-24-BB  
**Sample Taken By:** J. Ladner  
**Sample Collected On:** 9/12/06  
**Splits?** Yes

**County:** Okaloosa  
**Latitude:** 30° 23' 0.77"  
**Longitude:** 86° 26' 48.47"  
**Datum:** NAD 83  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	79.401 grams
Total Fines in Sample	2.675 grams
Total Percent Fines	3.26 %

**Dry Sieving Summary**

Total Sample Weight	76.700 grams
Total Digested Weight	75.984 grams
Total Carbonate Weight	0.716 grams
Total Silica %	99.07 %
Total Carbonate %	0.93 %
Carbonate/Silica Ratio	0.009

**General Comments:**

Not enough Carbonate Material to run a Post-Digestion Analysis

**Description**

Worked By: M. Lachance

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: OA-24-BB

Total Sample Mass: 76.700 grams

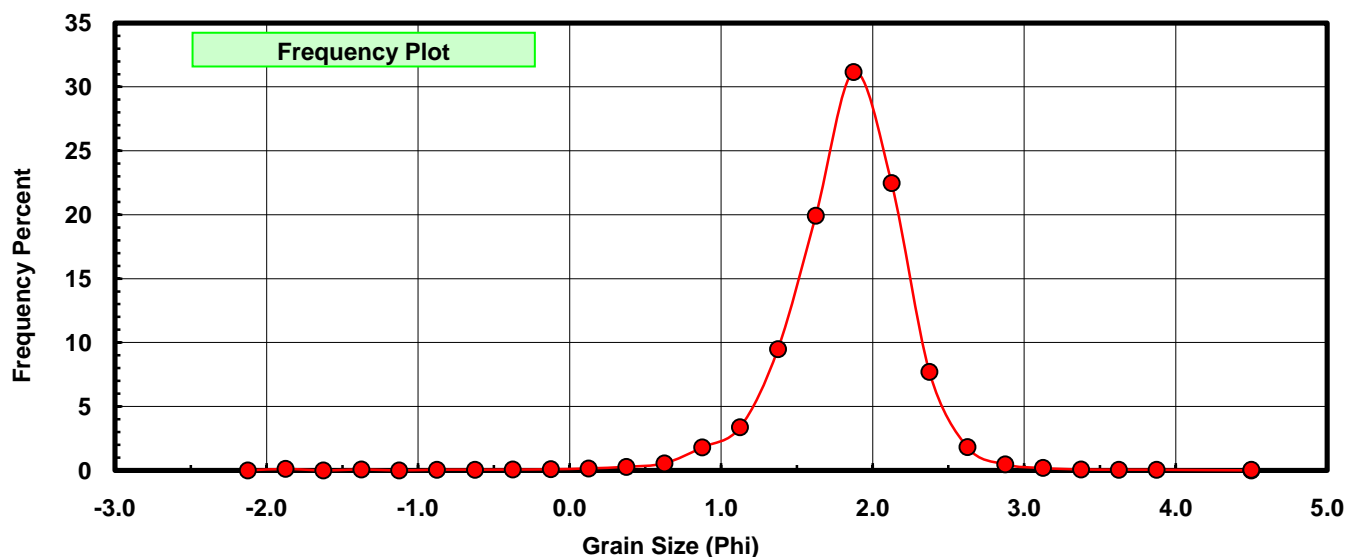
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.080	0.104	0.104
-1.50	-1.625	0.000	0.000	0.104
-1.25	-1.375	0.049	0.064	0.168
-1.00	-1.125	0.000	0.000	0.168
-0.75	-0.875	0.040	0.052	0.220
-0.50	-0.625	0.039	0.051	0.271
-0.25	-0.375	0.048	0.063	0.334
0.00	-0.125	0.063	0.082	0.416
0.25	0.125	0.117	0.153	0.568
0.50	0.375	0.214	0.279	0.847
0.75	0.625	0.422	0.550	1.398
1.00	0.875	1.378	1.797	3.194
1.25	1.125	2.586	3.372	6.566
1.50	1.375	7.280	9.492	16.057
1.75	1.625	15.289	19.934	35.991
2.00	1.875	23.896	31.155	67.146
2.25	2.125	17.232	22.467	89.613
2.50	2.375	5.907	7.701	97.314
2.75	2.625	1.395	1.819	99.133
3.00	2.875	0.356	0.464	99.597
3.25	3.125	0.138	0.180	99.777
3.50	3.375	0.055	0.072	99.849
3.75	3.625	0.041	0.053	99.902
4.00	3.875	0.036	0.047	99.949
5.00	4.500	0.000	0.000	99.949
5.00	4.50	0.039	0.051	100.000

Statistical Results			
Mean:	1.8285	phi	(0.2816 mm)
Standard Dev:	0.4331	phi-units	(0.7407 mm)
Skewness:	-1.3946	dimensionless	
Kurtosis:	13.5727	dimensionless	
5th Moment:	-71.1330	dimensionless	
6th Moment:	642.1430	dimensionless	
RARD *	0.2368	dimensionless	
Median	1.7374	phi	(0.2999 mm)

\* RARD = reciprocal absolute relative dispersion (see below)

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	
For Further Explanation, See Basille et al. 2002	
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)



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