

**Onshore Grab Sample**

**Sample:** GF-03-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 1/11/11  
**Splits?** N/A

**County:** Gulf  
**Latitude:** 29° 54' 6.9" N  
**Longitude:** 85° 21' 59.2" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 65.333 grams  
Total Fines in Sample 0.010 grams  
Total Percent Fines 0.02 %

**Dry Sieving Summary**

Total Sample Weight 65.289 grams  
Total Digested Weight 64.868 grams  
Total Carbonate Weight 0.421 grams  
Total Silica % 99.36 %  
Total Carbonate % 0.64 %  
Carbonate/Silica Ratio 0.006

**General Comments:**

Not Enough Carbonate Material to do Post-Digestion Analysis

**Description**

Worked By: M. Ladle

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: GF-03-BB

Total Sample Mass: 65.289 grams

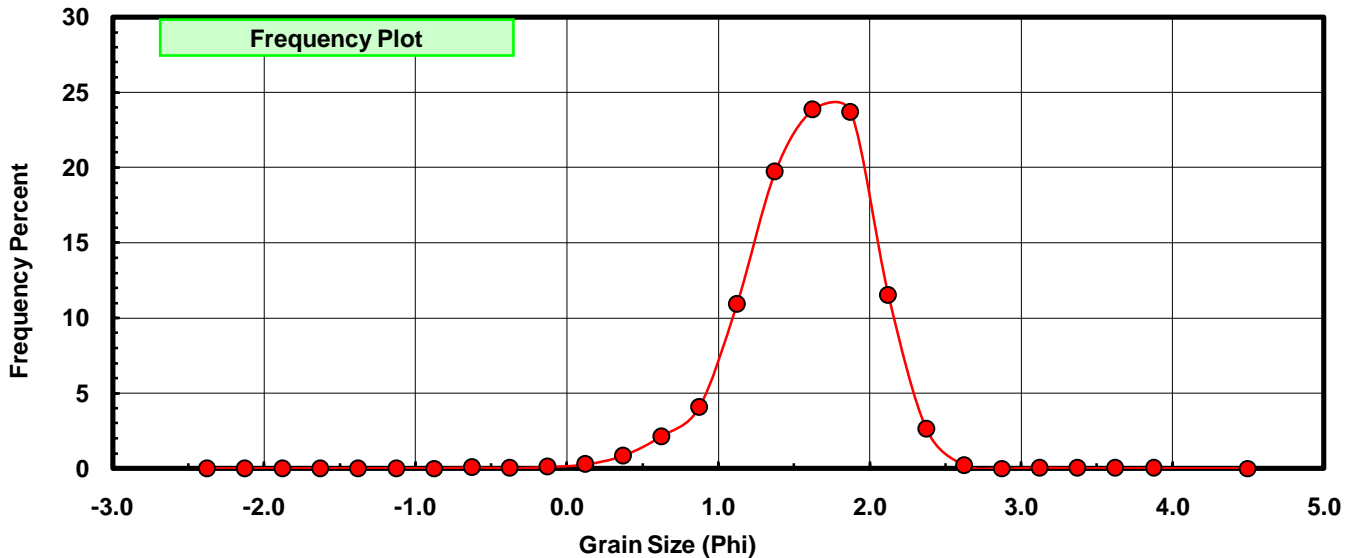
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.001	0.002	0.002
-0.50	-0.625	0.034	0.052	0.054
-0.25	-0.375	0.015	0.023	0.077
0.00	-0.125	0.063	0.096	0.173
0.25	0.125	0.178	0.273	0.446
0.50	0.375	0.547	0.838	1.284
0.75	0.625	1.382	2.117	3.400
1.00	0.875	2.651	4.060	7.461
1.25	1.125	7.118	10.902	18.363
1.50	1.375	12.867	19.708	38.071
1.75	1.625	15.562	23.836	61.906
2.00	1.875	15.464	23.685	85.592
2.25	2.125	7.510	11.503	97.094
2.50	2.375	1.717	2.630	99.724
2.75	2.625	0.136	0.208	99.933
3.00	2.875	0.001	0.002	99.934
3.25	3.125	0.025	0.038	99.972
3.50	3.375	0.006	0.009	99.982
3.75	3.625	0.006	0.009	99.991
4.00	3.875	0.005	0.008	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.5914	phi	(0.3319 mm)
Standard Dev:	0.4164	phi-units	(0.7493 mm)
Skewness:	-0.5827	dimensionless	
Kurtosis:	4.1070	dimensionless	
5th Moment:	-7.0888	dimensionless	
6th Moment:	44.2565	dimensionless	
RARD *	0.2617	dimensionless	
Median	1.5001	phi	(0.3535 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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