

**Onshore Grab Sample**

**Sample:** GF-09-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 11/19/10  
**Splits?** N/A

**County:** Gulf  
**Latitude:** 29° 49' 55.3" N  
**Longitude:** 85° 25' 0.3" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 55.158 grams  
Total Fines in Sample 0.039 grams  
Total Percent Fines 0.07 %

**Dry Sieving Summary**

Total Sample Weight 55.015 grams  
Total Digested Weight 54.940 grams  
Total Carbonate Weight 0.075 grams  
Total Silica % 99.86 %  
Total Carbonate % 0.14 %  
Carbonate/Silica Ratio 0.001

**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-09-BB

Total Sample Mass: 55.015 grams

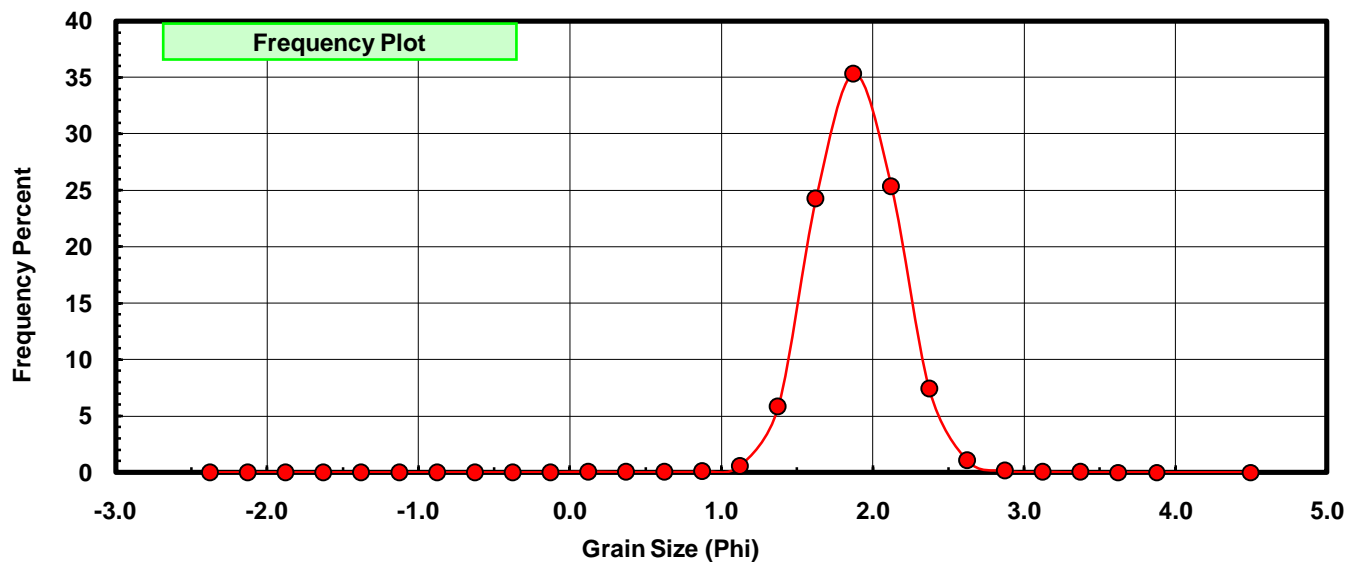
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.019	0.035	0.035
0.50	0.375	0.016	0.029	0.064
0.75	0.625	0.008	0.015	0.078
1.00	0.875	0.037	0.067	0.145
1.25	1.125	0.306	0.556	0.702
1.50	1.375	3.192	5.802	6.504
1.75	1.625	13.329	24.228	30.732
2.00	1.875	19.425	35.309	66.040
2.25	2.125	13.932	25.324	91.364
2.50	2.375	4.070	7.398	98.762
2.75	2.625	0.582	1.058	99.820
3.00	2.875	0.072	0.131	99.951
3.25	3.125	0.018	0.033	99.984
3.50	3.375	0.006	0.011	99.995
3.75	3.625	0.001	0.002	99.996
4.00	3.875	0.001	0.002	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.8896	phi	(0.2699 mm)
Standard Dev:	0.2814	phi-units	(0.8228 mm)
Skewness:	-0.0011	dimensionless	
Kurtosis:	4.0453	dimensionless	
5th Moment:	-1.6335	dimensionless	
6th Moment:	63.7754	dimensionless	
RARD *	0.1489	dimensionless	
Median	1.7614	phi	(0.295 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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