

**Onshore Grab Sample**

**Sample:** GF-12-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 11/19/10  
**Splits?** N/A

**County:** Gulf  
**Latitude:** 29° 47' 24.3" N  
**Longitude:** 85° 24' 39.3" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 63.299 grams  
Total Fines in Sample 0.034 grams  
Total Percent Fines 0.05 %

**Dry Sieving Summary**

Total Sample Weight 63.109 grams  
Total Digested Weight 62.902 grams  
Total Carbonate Weight 0.207 grams  
Total Silica % 99.67 %  
Total Carbonate % 0.33 %  
Carbonate/Silica Ratio 0.003

**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-12-BB

Total Sample Mass: 63.109 grams

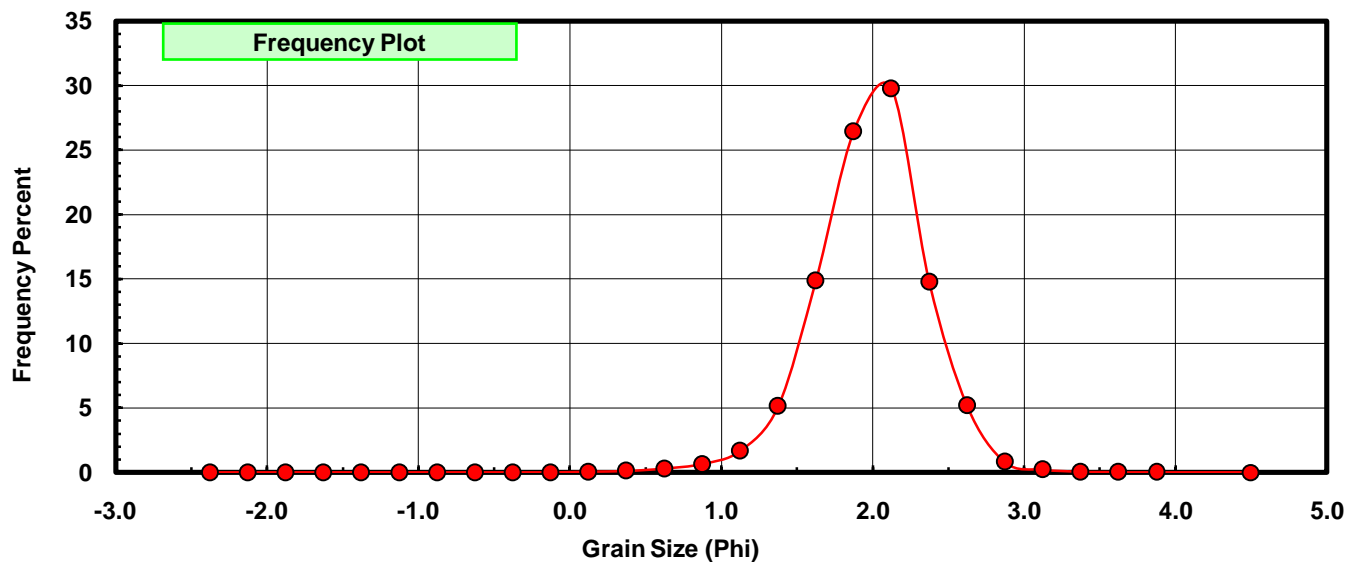
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.026	0.041	0.041
0.50	0.375	0.076	0.120	0.162
0.75	0.625	0.188	0.298	0.460
1.00	0.875	0.407	0.645	1.104
1.25	1.125	1.050	1.664	2.768
1.50	1.375	3.232	5.121	7.890
1.75	1.625	9.398	14.892	22.781
2.00	1.875	16.692	26.449	49.231
2.25	2.125	18.786	29.768	78.998
2.50	2.375	9.306	14.746	93.744
2.75	2.625	3.275	5.189	98.934
3.00	2.875	0.506	0.802	99.735
3.25	3.125	0.139	0.220	99.956
3.50	3.375	0.019	0.030	99.986
3.75	3.625	0.005	0.008	99.994
4.00	3.875	0.003	0.005	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.9856	phi	(0.2525 mm)
Standard Dev:	0.3658	phi-units	(0.7761 mm)
Skewness:	-0.4133	dimensionless	
Kurtosis:	4.2978	dimensionless	
5th Moment:	-6.1021	dimensionless	
6th Moment:	43.1021	dimensionless	
RARD *	0.1842	dimensionless	
Median	1.8815	phi	(0.2714 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)



# GF-12-BB

