

**Onshore Grab Sample**

**Sample:** GF-25-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 12/10/10  
**Splits?** N/A

**County:** Gulf  
**Latitude:** 29° 41' 0.2" N  
**Longitude:** 85° 18' 25" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 51.387 grams  
Total Fines in Sample 0.011 grams  
Total Percent Fines 0.02 %

**Dry Sieving Summary**

Total Sample Weight 51.173 grams  
Total Digested Weight 50.237 grams  
Total Carbonate Weight 0.936 grams  
Total Silica % 98.17 %  
Total Carbonate % 1.83 %  
Carbonate/Silica Ratio 0.019

**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-25-BB

Total Sample Mass: 51.173 grams

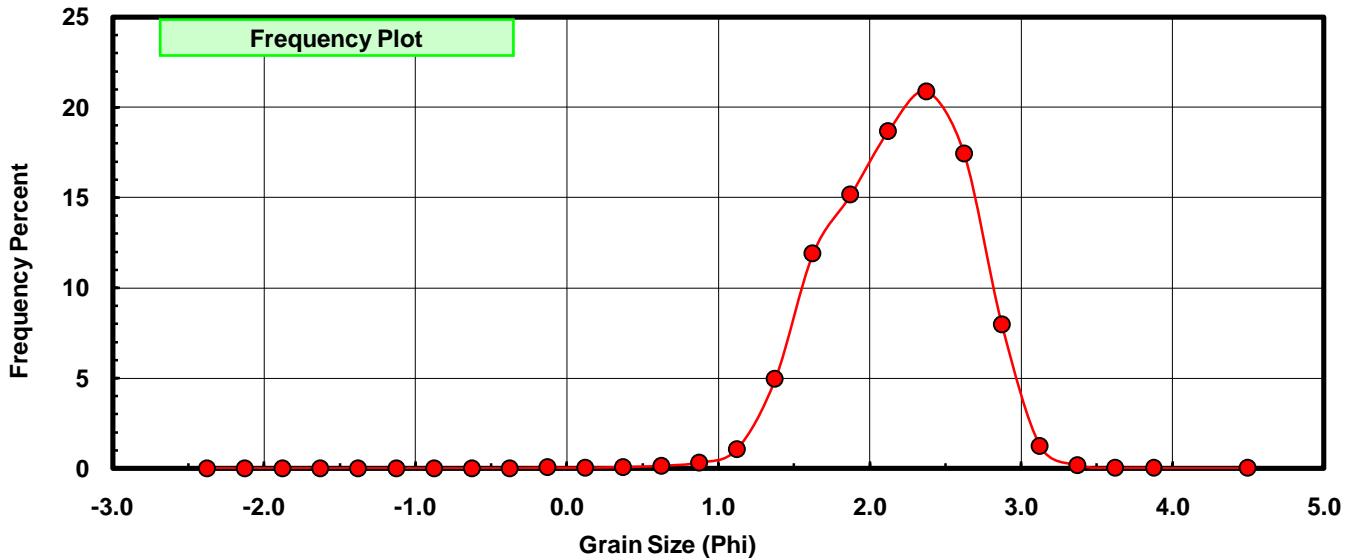
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.020	0.039	0.039
0.25	0.125	0.013	0.025	0.064
0.50	0.375	0.035	0.068	0.133
0.75	0.625	0.065	0.127	0.260
1.00	0.875	0.161	0.315	0.575
1.25	1.125	0.543	1.061	1.636
1.50	1.375	2.529	4.942	6.578
1.75	1.625	6.082	11.885	18.463
2.00	1.875	7.749	15.143	33.606
2.25	2.125	9.555	18.672	52.278
2.50	2.375	10.684	20.878	73.156
2.75	2.625	8.925	17.441	90.597
3.00	2.875	4.075	7.963	98.560
3.25	3.125	0.627	1.225	99.785
3.50	3.375	0.091	0.178	99.963
3.75	3.625	0.011	0.021	99.984
4.00	3.875	0.006	0.012	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	2.1858	phi	(0.2198 mm)
Standard Dev:	0.4565	phi-units	(0.7288 mm)
Skewness:	-0.3272	dimensionless	
Kurtosis:	3.0233	dimensionless	
5th Moment:	-3.9670	dimensionless	
6th Moment:	23.0340	dimensionless	
RARD *	0.2088	dimensionless	
Median	2.0945	phi	(0.2341 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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