

**Onshore Grab Sample**

**Sample:** GF-18-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 11/19/10  
**Splits?** N/A

**County:** Gulf  
**Latitude:** 29° 42' 27.4" N  
**Longitude:** 85° 22' 57.8" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 47.692 grams  
Total Fines in Sample 0.072 grams  
Total Percent Fines 0.15 %

**Dry Sieving Summary**

Total Sample Weight 47.760 grams  
Total Digested Weight 46.851 grams  
Total Carbonate Weight 0.909 grams  
Total Silica % 98.10 %  
Total Carbonate % 1.90 %  
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-18-BB

Total Sample Mass: 47.760 grams

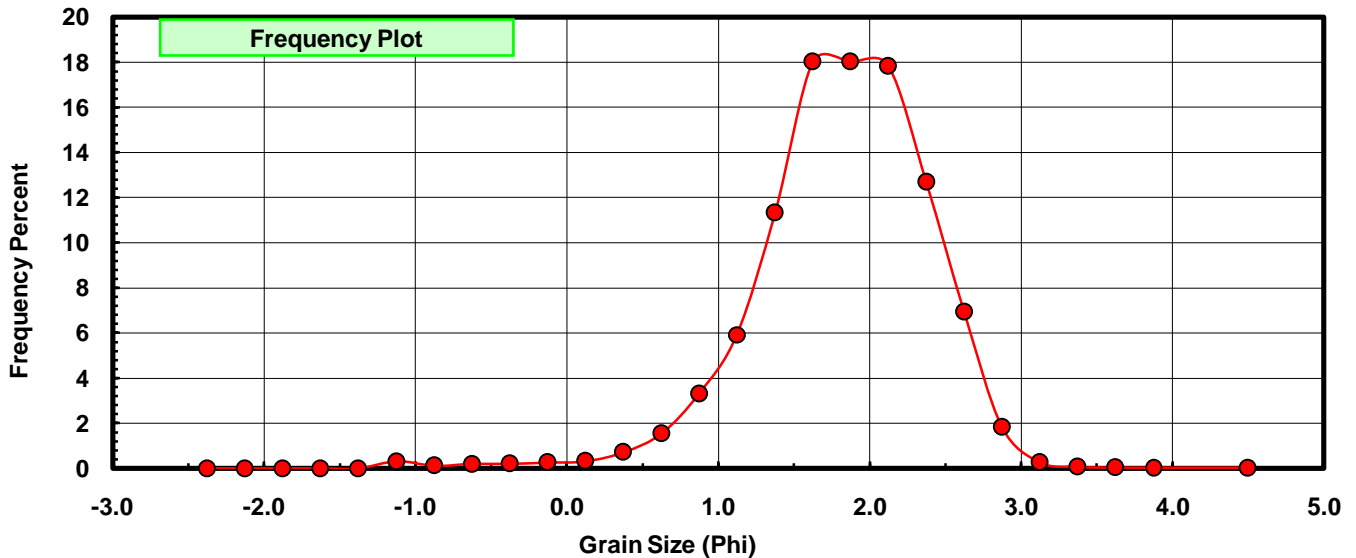
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.149	0.312	0.312
-0.75	-0.875	0.056	0.117	0.429
-0.50	-0.625	0.095	0.199	0.628
-0.25	-0.375	0.098	0.205	0.833
0.00	-0.125	0.125	0.262	1.095
0.25	0.125	0.150	0.314	1.409
0.50	0.375	0.345	0.722	2.131
0.75	0.625	0.738	1.545	3.677
1.00	0.875	1.580	3.308	6.985
1.25	1.125	2.832	5.930	12.915
1.50	1.375	5.417	11.342	24.257
1.75	1.625	8.610	18.028	42.284
2.00	1.875	8.604	18.015	60.299
2.25	2.125	8.513	17.825	78.124
2.50	2.375	6.062	12.693	90.817
2.75	2.625	3.319	6.949	97.766
3.00	2.875	0.876	1.834	99.600
3.25	3.125	0.125	0.262	99.862
3.50	3.375	0.032	0.067	99.929
3.75	3.625	0.016	0.034	99.962
4.00	3.875	0.009	0.019	99.981
5.00	4.50	0.009	0.019	100.000

Statistical Results			
Mean:	1.8168	phi	(0.2838 mm)
Standard Dev:	0.5822	phi-units	(0.6679 mm)
Skewness:	-0.9935	dimensionless	
Kurtosis:	6.0235	dimensionless	
5th Moment:	-19.1104	dimensionless	
6th Moment:	95.4096	dimensionless	
RARD *	0.3205	dimensionless	
Median	1.7321	phi	(0.301 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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