

Onshore Grab Sample

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

County: Gulf
Latitude: 29° 49' 6.0" N
Longitude: 85° 24' 57.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	56.04 grams
Total Fines in Sample	0.081 grams
Total Percent Fines	0.14 %

Dry Sieving Summary

Total Sample Weight	55.869 grams
Total Digested Weight	55.822 grams
Total Carbonate Weight	0.047 grams
Total Silica %	99.92 %
Total Carbonate %	0.08 %
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

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Total Sample Mass: 55.869 grams

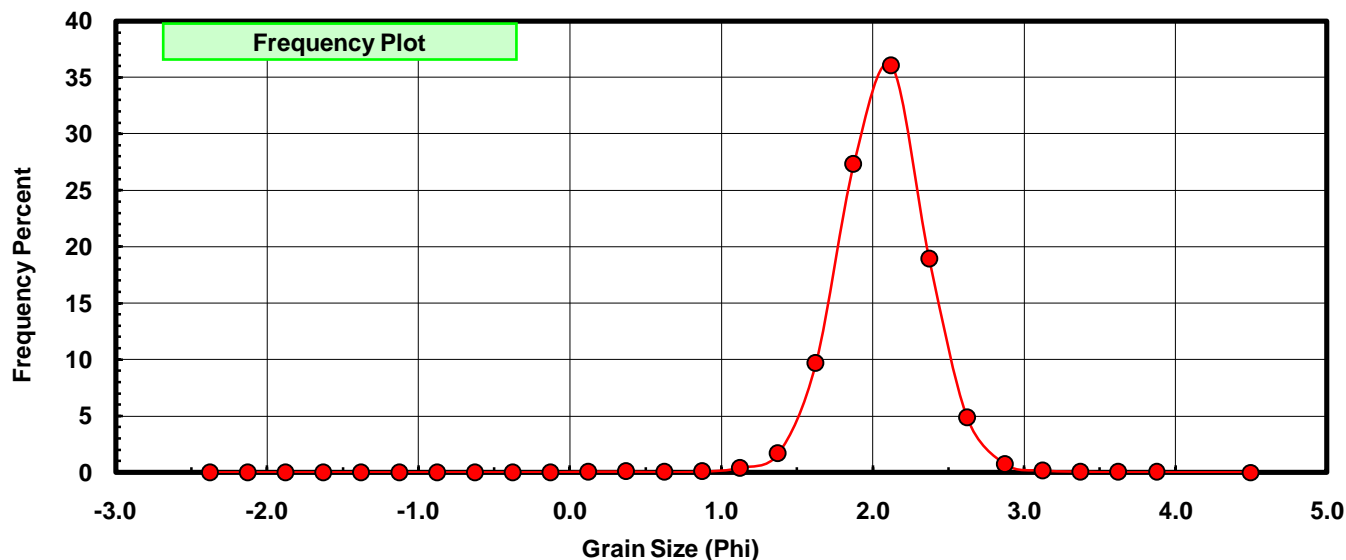
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.021	0.038	0.038
0.50	0.375	0.034	0.061	0.098
0.75	0.625	0.010	0.018	0.116
1.00	0.875	0.045	0.081	0.197
1.25	1.125	0.219	0.392	0.589
1.50	1.375	0.930	1.665	2.253
1.75	1.625	5.412	9.687	11.940
2.00	1.875	15.256	27.307	39.247
2.25	2.125	20.138	36.045	75.292
2.50	2.375	10.556	18.894	94.186
2.75	2.625	2.719	4.867	99.053
3.00	2.875	0.407	0.728	99.782
3.25	3.125	0.087	0.156	99.937
3.50	3.375	0.023	0.041	99.979
3.75	3.625	0.007	0.013	99.991
4.00	3.875	0.004	0.007	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	2.0683	phi	(0.2384 mm)
Standard Dev:	0.2981	phi-units	(0.8133 mm)
Skewness:	-0.2004	dimensionless	
Kurtosis:	4.9725	dimensionless	
5th Moment:	-6.9284	dimensionless	
6th Moment:	86.6762	dimensionless	
RARD *	0.1441	dimensionless	
Median	1.9496	phi	(0.2589 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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