

Onshore Grab Sample

Sample: GF-05-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/19/10
Splits? N/A

County: Gulf
Latitude: 29° 52' 40.8" N
Longitude: 85° 23' 20.9" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 62.871 grams
Total Fines in Sample 0.127 grams
Total Percent Fines 0.20 %

Dry Sieving Summary

Total Sample Weight 62.389 grams
Total Digested Weight 62.090 grams
Total Carbonate Weight 0.299 grams
Total Silica % 99.52 %
Total Carbonate % 0.48 %
Carbonate/Silica Ratio 0.005

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: 62.389 grams

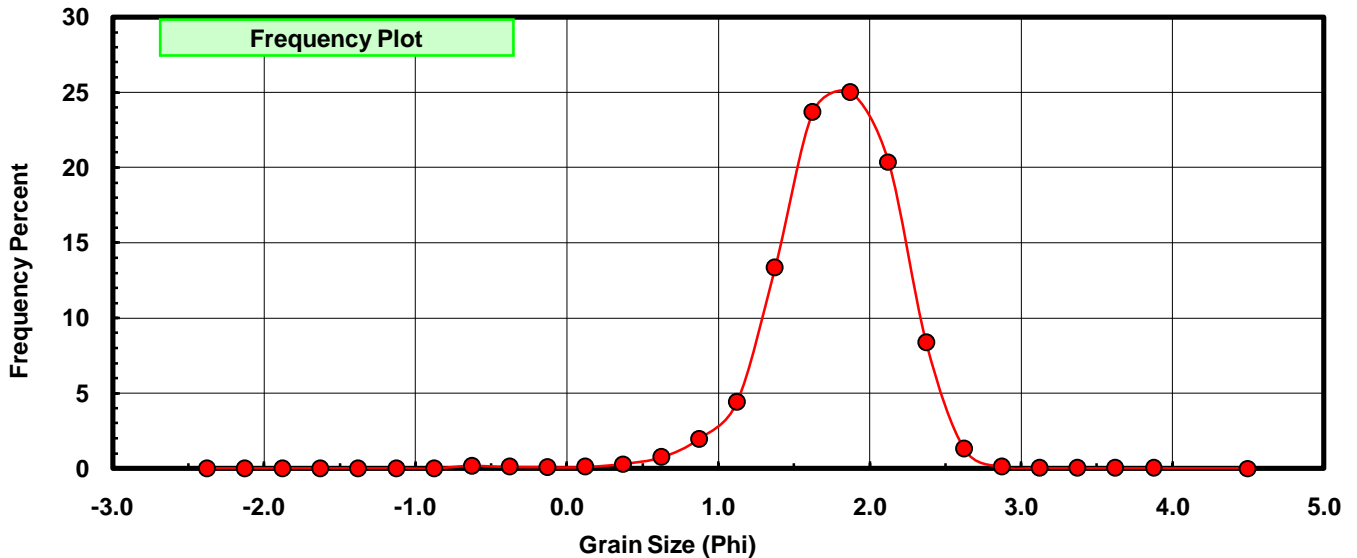
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.106	0.170	0.170
-0.25	-0.375	0.060	0.096	0.266
0.00	-0.125	0.043	0.069	0.335
0.25	0.125	0.059	0.095	0.430
0.50	0.375	0.187	0.300	0.729
0.75	0.625	0.454	0.728	1.457
1.00	0.875	1.213	1.944	3.401
1.25	1.125	2.744	4.398	7.799
1.50	1.375	8.324	13.342	21.142
1.75	1.625	14.776	23.684	44.825
2.00	1.875	15.586	24.982	69.807
2.25	2.125	12.716	20.382	90.189
2.50	2.375	5.213	8.356	98.545
2.75	2.625	0.822	1.318	99.862
3.00	2.875	0.058	0.093	99.955
3.25	3.125	0.010	0.016	99.971
3.50	3.375	0.010	0.016	99.987
3.75	3.625	0.002	0.003	99.990
4.00	3.875	0.005	0.008	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.7779	phi	(0.2916 mm)
Standard Dev:	0.4098	phi-units	(0.7527 mm)
Skewness:	-0.8805	dimensionless	
Kurtosis:	6.0710	dimensionless	
5th Moment:	-20.7047	dimensionless	
6th Moment:	119.7010	dimensionless	
RARD *	0.2305	dimensionless	
Median	1.6768	phi	(0.3128 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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