

Onshore Grab Sample

Sample: GF-01-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/11/11
Splits? N/A

County: Gulf
Latitude: 29° 55' 23.1" N
Longitude: 85° 23' 13.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 53.846 grams
Total Fines in Sample 0.041 grams
Total Percent Fines 0.08 %

Dry Sieving Summary

Total Sample Weight 53.628 grams
Total Digested Weight 53.015 grams
Total Carbonate Weight 0.613 grams
Total Silica % 98.86 %
Total Carbonate % 1.14 %
Carbonate/Silica Ratio 0.012

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: 53.628 grams

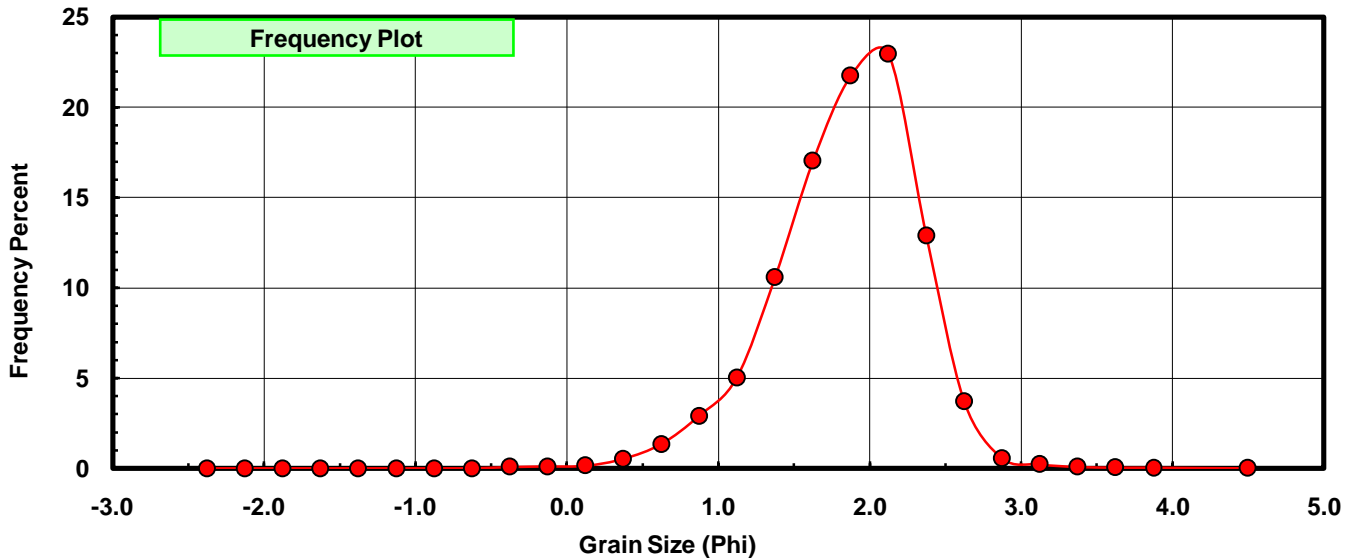
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.039	0.073	0.073
0.00	-0.125	0.055	0.103	0.175
0.25	0.125	0.078	0.145	0.321
0.50	0.375	0.277	0.517	0.837
0.75	0.625	0.718	1.339	2.176
1.00	0.875	1.559	2.907	5.083
1.25	1.125	2.700	5.035	10.118
1.50	1.375	5.685	10.601	20.719
1.75	1.625	9.130	17.025	37.743
2.00	1.875	11.662	21.746	59.489
2.25	2.125	12.305	22.945	82.435
2.50	2.375	6.917	12.898	95.333
2.75	2.625	1.994	3.718	99.051
3.00	2.875	0.297	0.554	99.605
3.25	3.125	0.120	0.224	99.828
3.50	3.375	0.048	0.090	99.918
3.75	3.625	0.024	0.045	99.963
4.00	3.875	0.014	0.026	99.989
5.00	4.50	0.006	0.011	100.000

Statistical Results			
Mean:	1.8429	phi	(0.2788 mm)
Standard Dev:	0.4735	phi-units	(0.7202 mm)
Skewness:	-0.5571	dimensionless	
Kurtosis:	4.0737	dimensionless	
5th Moment:	-5.4975	dimensionless	
6th Moment:	38.2180	dimensionless	
RARD *	0.2569	dimensionless	
Median	1.7659	phi	(0.294 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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