

Onshore Grab Sample

Sample: GF-14-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/19/10
Splits? N/A

County: Gulf
Latitude: 29° 45' 40.8" N
Longitude: 85° 24' 13.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	54.605 grams
Total Fines in Sample	0.038 grams
Total Percent Fines	0.07 %

Dry Sieving Summary

Total Sample Weight	54.377 grams
Total Digested Weight	53.927 grams
Total Carbonate Weight	0.450 grams
Total Silica %	99.17 %
Total Carbonate %	0.83 %
Carbonate/Silica Ratio	0.008

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: 54.377 grams

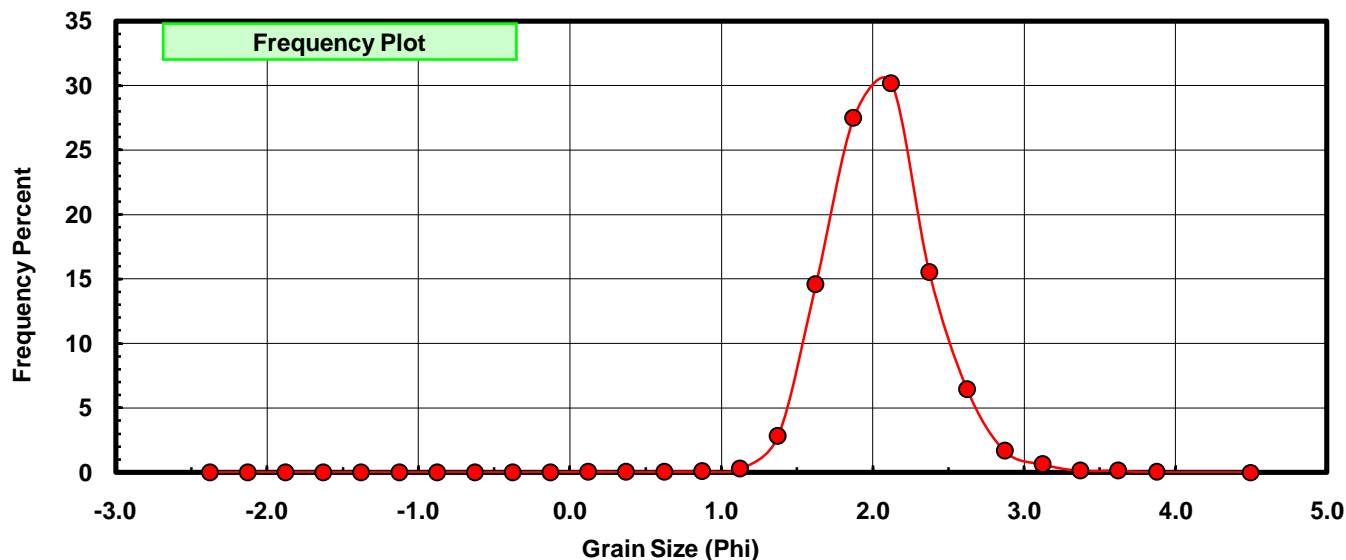
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.019	0.035	0.035
0.50	0.375	0.013	0.024	0.059
0.75	0.625	0.025	0.046	0.105
1.00	0.875	0.037	0.068	0.173
1.25	1.125	0.139	0.256	0.428
1.50	1.375	1.527	2.808	3.237
1.75	1.625	7.935	14.593	17.829
2.00	1.875	14.952	27.497	45.326
2.25	2.125	16.407	30.173	75.499
2.50	2.375	8.449	15.538	91.037
2.75	2.625	3.499	6.435	97.471
3.00	2.875	0.902	1.659	99.130
3.25	3.125	0.335	0.616	99.746
3.50	3.375	0.061	0.112	99.858
3.75	3.625	0.063	0.116	99.974
4.00	3.875	0.013	0.024	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	2.0502	phi	(0.2414 mm)
Standard Dev:	0.3455	phi-units	(0.7871 mm)
Skewness:	0.3472	dimensionless	
Kurtosis:	4.3756	dimensionless	
5th Moment:	3.6535	dimensionless	
6th Moment:	52.5163	dimensionless	
RARD *	0.1685	dimensionless	
Median	1.9137	phi	(0.2654 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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