

Onshore Grab Sample

Sample: GF-24-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/10/10
Splits? N/A

County: Gulf
Latitude: 29° 40' 48.9" N
Longitude: 85° 19' 19.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 47.251 grams
Total Fines in Sample 0.022 grams
Total Percent Fines 0.05 %

Dry Sieving Summary

Total Sample Weight 47.249 grams
Total Digested Weight 46.928 grams
Total Carbonate Weight 0.321 grams
Total Silica % 99.32 %
Total Carbonate % 0.68 %
Carbonate/Silica Ratio 0.007

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: 47.249 grams

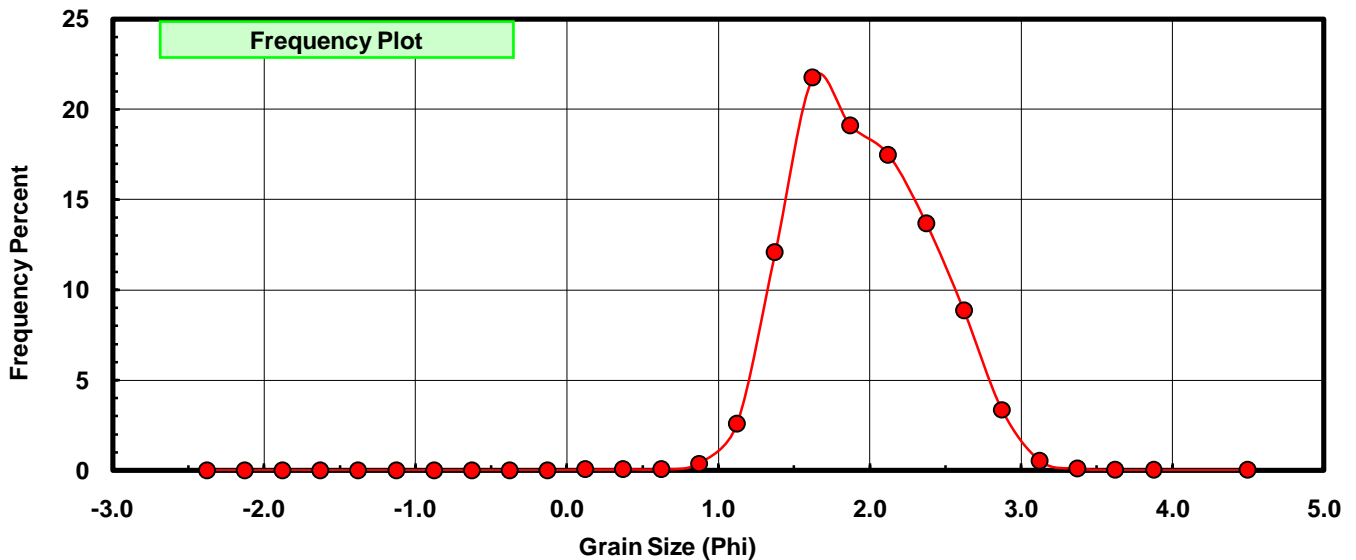
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.018	0.038	0.038
0.50	0.375	0.020	0.042	0.080
0.75	0.625	0.026	0.055	0.135
1.00	0.875	0.185	0.392	0.527
1.25	1.125	1.208	2.557	3.084
1.50	1.375	5.699	12.062	15.145
1.75	1.625	10.275	21.746	36.892
2.00	1.875	9.022	19.095	55.986
2.25	2.125	8.257	17.476	73.462
2.50	2.375	6.460	13.672	87.134
2.75	2.625	4.179	8.845	95.979
3.00	2.875	1.592	3.369	99.348
3.25	3.125	0.245	0.519	99.867
3.50	3.375	0.044	0.093	99.960
3.75	3.625	0.007	0.015	99.975
4.00	3.875	0.008	0.017	99.992
5.00	4.50	0.004	0.008	100.000

Statistical Results			
Mean:	1.9560	phi	(0.2577 mm)
Standard Dev:	0.4508	phi-units	(0.7316 mm)
Skewness:	0.2361	dimensionless	
Kurtosis:	2.6992	dimensionless	
5th Moment:	1.5727	dimensionless	
6th Moment:	15.5853	dimensionless	
RARD *	0.2305	dimensionless	
Median	1.7966	phi	(0.2878 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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