

Onshore Grab Sample

Sample: GF-21
Sample Taken By: D. Phelps
Sample Collected On: 12/10/10
Splits? N/A

County: Gulf
Latitude: 29° 40' 14.7" N
Longitude: 85° 21' 27" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 52.684 grams
Total Fines in Sample 0.459 grams
Total Percent Fines 0.86 %

Dry Sieving Summary

Total Sample Weight 52.262 grams
Total Digested Weight 52.151 grams
Total Carbonate Weight 0.111 grams
Total Silica % 99.79 %
Total Carbonate % 0.21 %
Carbonate/Silica Ratio 0.002

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: 52.262 grams

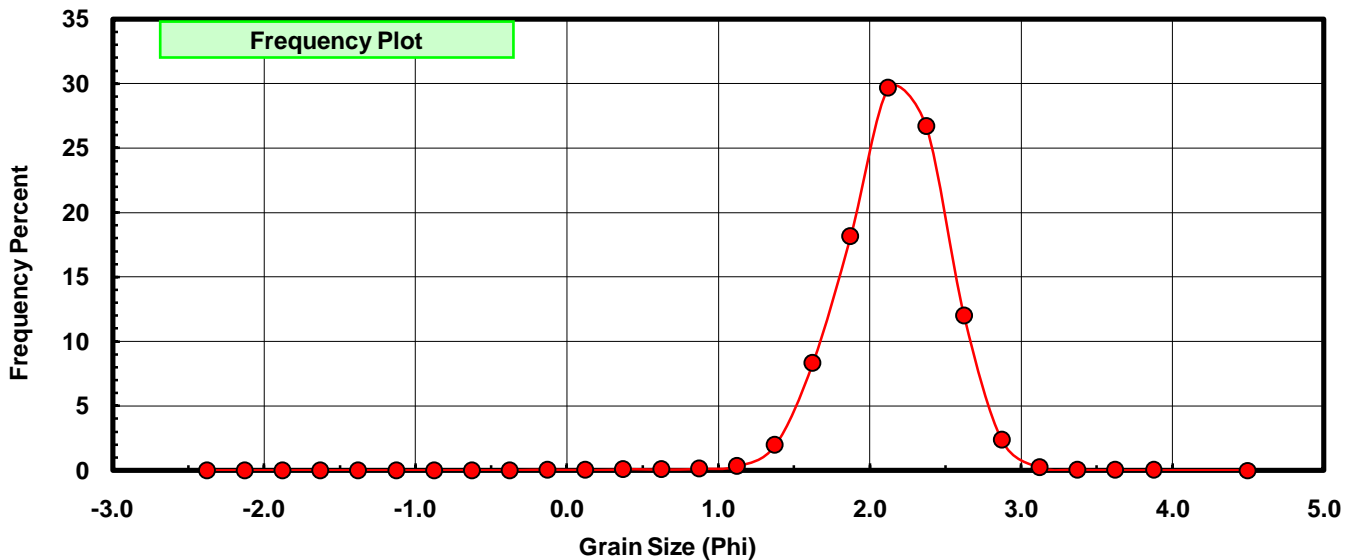
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.015	0.029	0.029
0.25	0.125	0.006	0.011	0.040
0.50	0.375	0.037	0.071	0.111
0.75	0.625	0.029	0.055	0.166
1.00	0.875	0.063	0.121	0.287
1.25	1.125	0.164	0.314	0.601
1.50	1.375	1.025	1.961	2.562
1.75	1.625	4.354	8.331	10.893
2.00	1.875	9.484	18.147	29.040
2.25	2.125	15.489	29.637	58.677
2.50	2.375	13.945	26.683	85.360
2.75	2.625	6.267	11.992	97.352
3.00	2.875	1.231	2.355	99.707
3.25	3.125	0.117	0.224	99.931
3.50	3.375	0.022	0.042	99.973
3.75	3.625	0.005	0.010	99.983
4.00	3.875	0.008	0.015	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	2.1632	phi	(0.2233 mm)
Standard Dev:	0.3434	phi-units	(0.7882 mm)
Skewness:	-0.4188	dimensionless	
Kurtosis:	4.4091	dimensionless	
5th Moment:	-9.3528	dimensionless	
6th Moment:	69.2651	dimensionless	
RARD *	0.1588	dimensionless	
Median	2.0518	phi	(0.2412 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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