

Onshore Grab Sample

Sample: GF-22
Sample Taken By: D. Phelps
Sample Collected On: 12/10/10
Splits? N/A

County: Gulf
Latitude: 29° 40' 2.0" N
Longitude: 85° 20' 57.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	51.821 grams
Total Fines in Sample	0.205 grams
Total Percent Fines	0.39 %

Dry Sieving Summary

Total Sample Weight	51.325 grams
Total Digested Weight	50.492 grams
Total Carbonate Weight	0.833 grams
Total Silica %	98.38 %
Total Carbonate %	1.62 %
Carbonate/Silica Ratio	0.016

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: 51.325 grams

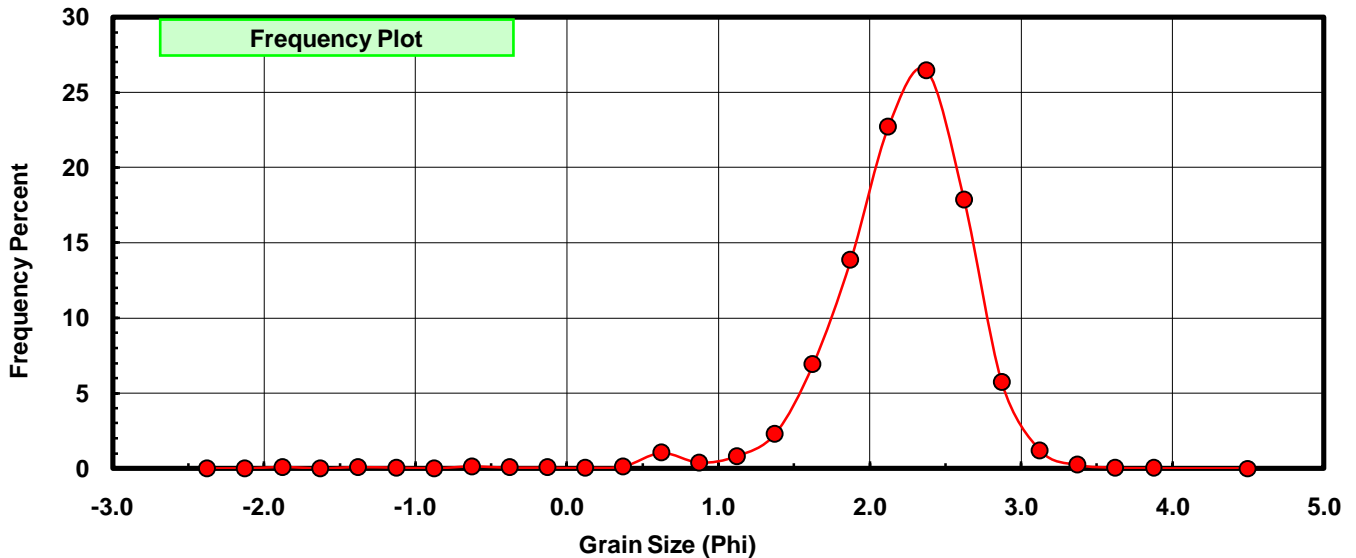
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.036	0.070	0.070
-1.50	-1.625	0.000	0.000	0.070
-1.25	-1.375	0.035	0.068	0.138
-1.00	-1.125	0.018	0.035	0.173
-0.75	-0.875	0.000	0.000	0.173
-0.50	-0.625	0.063	0.123	0.296
-0.25	-0.375	0.025	0.049	0.345
0.00	-0.125	0.023	0.045	0.390
0.25	0.125	0.015	0.029	0.419
0.50	0.375	0.063	0.123	0.542
0.75	0.625	0.534	1.040	1.582
1.00	0.875	0.187	0.364	1.946
1.25	1.125	0.412	0.803	2.749
1.50	1.375	1.179	2.297	5.046
1.75	1.625	3.541	6.899	11.945
2.00	1.875	7.106	13.845	25.791
2.25	2.125	11.654	22.706	48.497
2.50	2.375	13.582	26.463	74.960
2.75	2.625	9.163	17.853	92.812
3.00	2.875	2.934	5.717	98.529
3.25	3.125	0.611	1.190	99.719
3.50	3.375	0.115	0.224	99.943
3.75	3.625	0.020	0.039	99.982
4.00	3.875	0.008	0.016	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	2.2097	phi	(0.2162 mm)
Standard Dev:	0.4756	phi-units	(0.7192 mm)
Skewness:	-1.8182	dimensionless	
Kurtosis:	12.4940	dimensionless	
5th Moment:	-76.0101	dimensionless	
6th Moment:	559.6430	dimensionless	
RARD *	0.2152	dimensionless	
Median	2.1392	phi	(0.227 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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