

Onshore Grab Sample

Sample: GF-28-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/10/10
Splits? N/A

County: Gulf
Latitude: 29° 40' 53.7" N
Longitude: 85° 15' 32.8" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 56.065 grams
Total Fines in Sample 0.025 grams
Total Percent Fines 0.04 %

Dry Sieving Summary

Total Sample Weight 56.074 grams
Total Digested Weight 55.629 grams
Total Carbonate Weight 0.445 grams
Total Silica % 99.21 %
Total Carbonate % 0.79 %
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: 56.074 grams

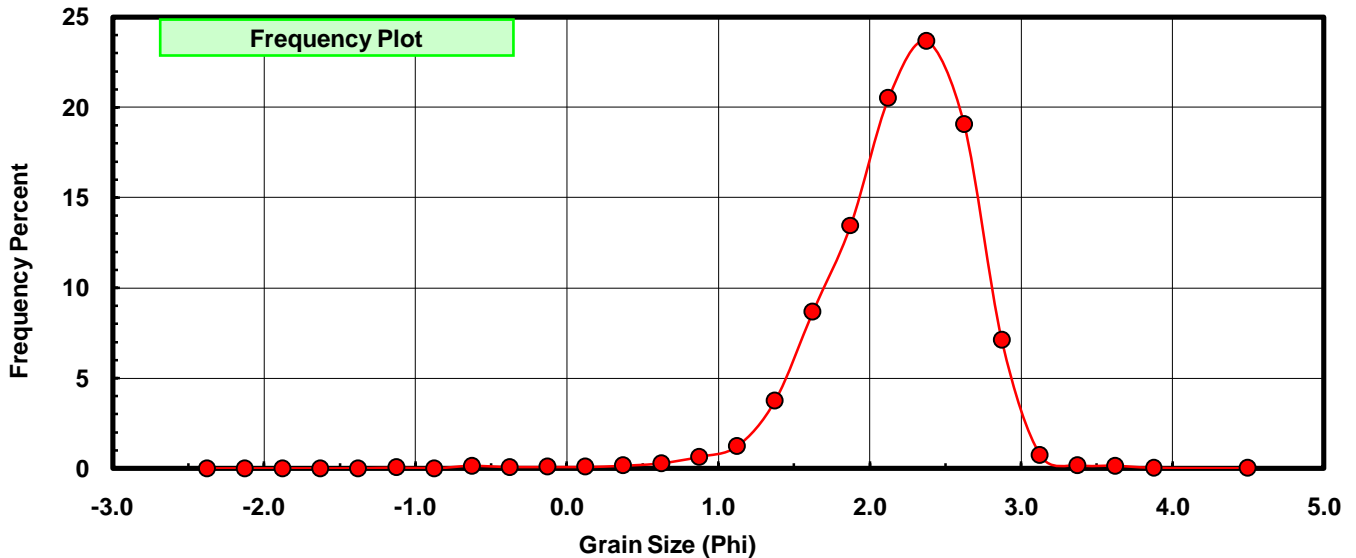
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.024	0.043	0.043
-0.75	-0.875	0.000	0.000	0.043
-0.50	-0.625	0.074	0.132	0.175
-0.25	-0.375	0.040	0.071	0.246
0.00	-0.125	0.042	0.075	0.321
0.25	0.125	0.041	0.073	0.394
0.50	0.375	0.089	0.159	0.553
0.75	0.625	0.155	0.276	0.829
1.00	0.875	0.349	0.622	1.452
1.25	1.125	0.684	1.220	2.671
1.50	1.375	2.105	3.754	6.425
1.75	1.625	4.871	8.687	15.112
2.00	1.875	7.556	13.475	28.587
2.25	2.125	11.501	20.510	49.098
2.50	2.375	13.273	23.671	72.768
2.75	2.625	10.688	19.061	91.829
3.00	2.875	3.984	7.105	98.934
3.25	3.125	0.411	0.733	99.667
3.50	3.375	0.091	0.162	99.829
3.75	3.625	0.074	0.132	99.961
4.00	3.875	0.016	0.029	99.989
5.00	4.50	0.006	0.011	100.000

Statistical Results			
Mean:	2.2027	phi	(0.2172 mm)
Standard Dev:	0.4739	phi-units	(0.72 mm)
Skewness:	-1.1013	dimensionless	
Kurtosis:	6.9263	dimensionless	
5th Moment:	-28.0312	dimensionless	
6th Moment:	167.3600	dimensionless	
RARD *	0.2152	dimensionless	
Median	2.1345	phi	(0.2277 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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