

Onshore Grab Sample

Sample: GF-15-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/19/10
Splits? N/A

County: Gulf
Latitude: 29° 44' 50.1" N
Longitude: 85° 23' 56.8" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 58.555 grams
Total Fines in Sample 0.018 grams
Total Percent Fines 0.03 %

Dry Sieving Summary

Total Sample Weight 58.356 grams
Total Digested Weight 56.153 grams
Total Carbonate Weight 2.203 grams
Total Silica % 96.22 %
Total Carbonate % 3.78 %
Carbonate/Silica Ratio 0.039

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: 58.356 grams

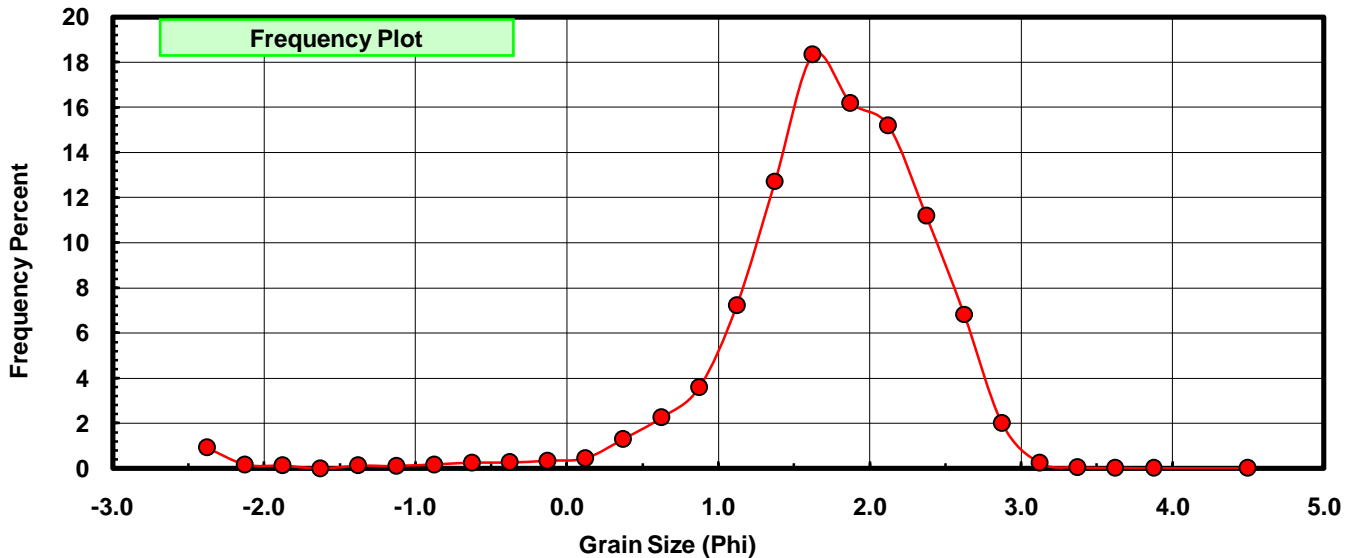
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.532	0.912	0.912
-2.00	-2.125	0.096	0.165	1.076
-1.75	-1.875	0.068	0.117	1.193
-1.50	-1.625	0.000	0.000	1.193
-1.25	-1.375	0.068	0.117	1.309
-1.00	-1.125	0.062	0.106	1.415
-0.75	-0.875	0.097	0.166	1.582
-0.50	-0.625	0.143	0.245	1.827
-0.25	-0.375	0.152	0.260	2.087
0.00	-0.125	0.197	0.338	2.425
0.25	0.125	0.260	0.446	2.870
0.50	0.375	0.756	1.295	4.166
0.75	0.625	1.311	2.247	6.412
1.00	0.875	2.089	3.580	9.992
1.25	1.125	4.216	7.225	17.217
1.50	1.375	7.433	12.737	29.954
1.75	1.625	10.694	18.325	48.280
2.00	1.875	9.450	16.194	64.473
2.25	2.125	8.857	15.178	79.651
2.50	2.375	6.530	11.190	90.841
2.75	2.625	3.990	6.837	97.678
3.00	2.875	1.169	2.003	99.681
3.25	3.125	0.139	0.238	99.919
3.50	3.375	0.029	0.050	99.969
3.75	3.625	0.011	0.019	99.988
4.00	3.875	0.006	0.010	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.7097	phi	(0.3057 mm)
Standard Dev:	0.7522	phi-units	(0.5937 mm)
Skewness:	-2.1697	dimensionless	
Kurtosis:	11.9311	dimensionless	
5th Moment:	-57.0260	dimensionless	
6th Moment:	298.9123	dimensionless	
RARD *	0.4399	dimensionless	
Median	1.6516	phi	(0.3183 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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