

Onshore Grab Sample

Sample: GF-07
Sample Taken By: D. Phelps
Sample Collected On: 11/19/10
Splits? N/A

County: Gulf
Latitude: 29° 51' 36.8" N
Longitude: 85° 24' 40.8" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 63.646 grams
Total Fines in Sample 0.097 grams
Total Percent Fines 0.15 %

Dry Sieving Summary

Total Sample Weight 63.513 grams
Total Digested Weight 63.313 grams
Total Carbonate Weight 0.200 grams
Total Silica % 99.69 %
Total Carbonate % 0.31 %
Carbonate/Silica Ratio 0.003

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: 63.513 grams

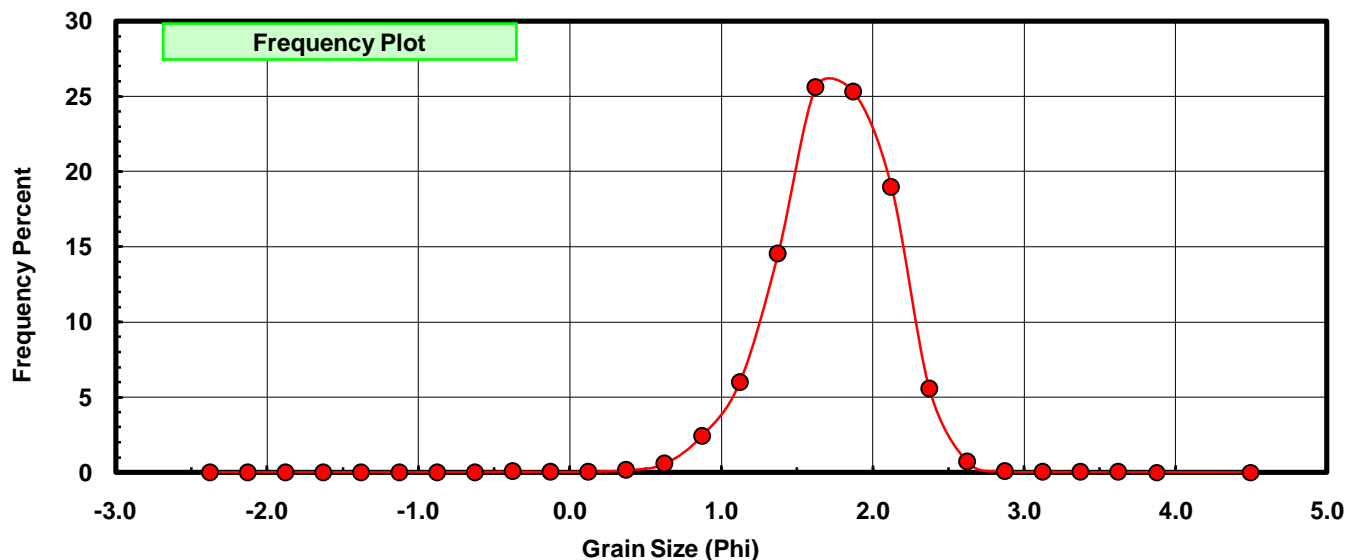
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.033	0.052	0.052
0.00	-0.125	0.014	0.022	0.074
0.25	0.125	0.019	0.030	0.104
0.50	0.375	0.094	0.148	0.252
0.75	0.625	0.355	0.559	0.811
1.00	0.875	1.537	2.420	3.231
1.25	1.125	3.801	5.985	9.215
1.50	1.375	9.238	14.545	23.760
1.75	1.625	16.268	25.614	49.374
2.00	1.875	16.054	25.277	74.651
2.25	2.125	12.043	18.961	93.612
2.50	2.375	3.540	5.574	99.186
2.75	2.625	0.448	0.705	99.891
3.00	2.875	0.035	0.055	99.946
3.25	3.125	0.020	0.031	99.978
3.50	3.375	0.009	0.014	99.992
3.75	3.625	0.003	0.005	99.997
4.00	3.875	0.001	0.002	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.7397	phi	(0.2994 mm)
Standard Dev:	0.3769	phi-units	(0.7701 mm)
Skewness:	-0.4243	dimensionless	
Kurtosis:	3.8321	dimensionless	
5th Moment:	-5.9903	dimensionless	
6th Moment:	42.2837	dimensionless	
RARD *	0.2167	dimensionless	
Median	1.6312	phi	(0.3228 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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