

Onshore Grab Sample

Sample: GF-17-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/19/10
Splits? N/A

County: Gulf
Latitude: 29° 43' 14.7" N
Longitude: 85° 23' 18.2" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	53.91 grams
Total Fines in Sample	0.003 grams
Total Percent Fines	0.01 %

Dry Sieving Summary

Total Sample Weight	53.949 grams
Total Digested Weight	53.716 grams
Total Carbonate Weight	0.233 grams
Total Silica %	99.57 %
Total Carbonate %	0.43 %
Carbonate/Silica Ratio	0.004

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: 53.949 grams

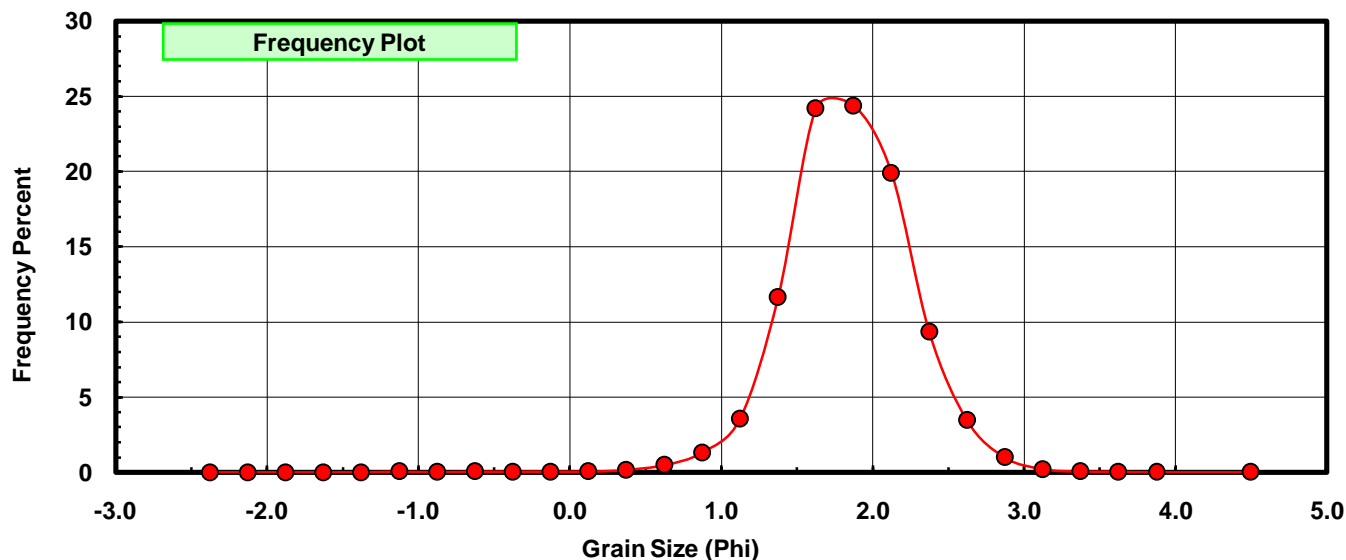
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.028	0.052	0.052
-0.75	-0.875	0.010	0.019	0.070
-0.50	-0.625	0.030	0.056	0.126
-0.25	-0.375	0.017	0.032	0.158
0.00	-0.125	0.022	0.041	0.198
0.25	0.125	0.034	0.063	0.261
0.50	0.375	0.084	0.156	0.417
0.75	0.625	0.265	0.491	0.908
1.00	0.875	0.709	1.314	2.222
1.25	1.125	1.915	3.550	5.772
1.50	1.375	6.284	11.648	17.420
1.75	1.625	13.053	24.195	41.615
2.00	1.875	13.150	24.375	65.990
2.25	2.125	10.740	19.908	85.898
2.50	2.375	5.035	9.333	95.231
2.75	2.625	1.870	3.466	98.697
3.00	2.875	0.534	0.990	99.687
3.25	3.125	0.115	0.213	99.900
3.50	3.375	0.032	0.059	99.959
3.75	3.625	0.014	0.026	99.985
4.00	3.875	0.006	0.011	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.8386	phi	(0.2796 mm)
Standard Dev:	0.4201	phi-units	(0.7474 mm)
Skewness:	-0.4220	dimensionless	
Kurtosis:	5.9895	dimensionless	
5th Moment:	-17.5052	dimensionless	
6th Moment:	137.7598	dimensionless	
RARD *	0.2285	dimensionless	
Median	1.7110	phi	(0.3054 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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