

Onshore Grab Sample

Sample: GF-23-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/10/10
Splits? N/A

County: Gulf
Latitude: 29° 40' 30.4" N
Longitude: 85° 20' 9.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	47.607 grams
Total Fines in Sample	0.011 grams
Total Percent Fines	0.02 %

Dry Sieving Summary

Total Sample Weight	47.489 grams
Total Digested Weight	47.315 grams
Total Carbonate Weight	0.174 grams
Total Silica %	99.63 %
Total Carbonate %	0.37 %
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: 47.489 grams

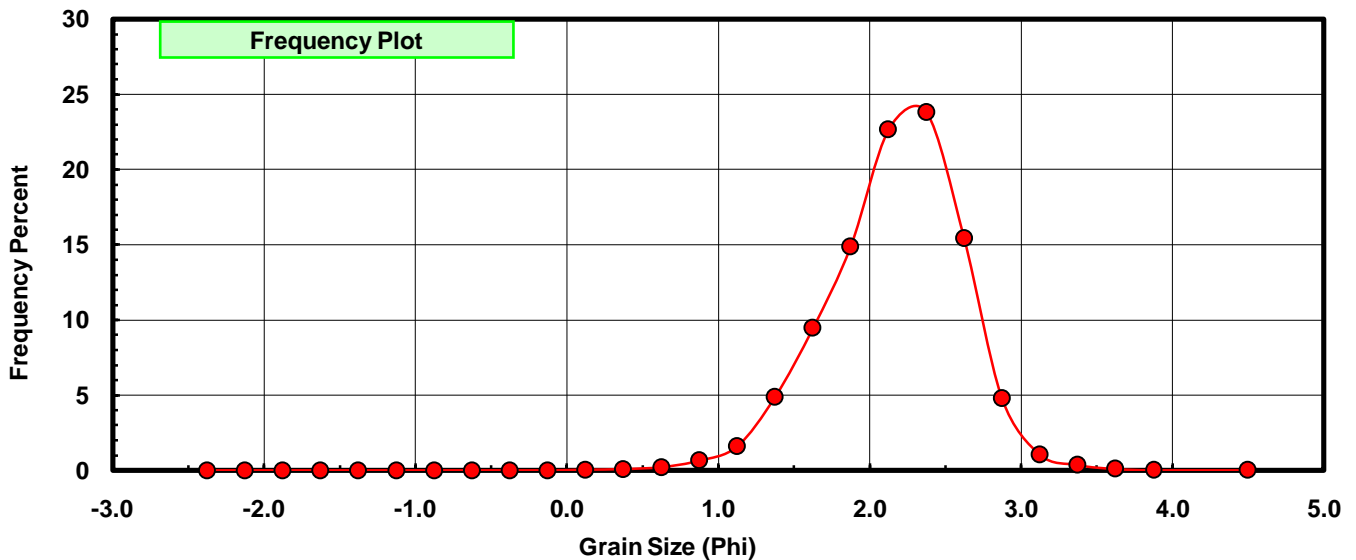
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.018	0.038	0.038
0.50	0.375	0.036	0.076	0.114
0.75	0.625	0.101	0.213	0.326
1.00	0.875	0.309	0.651	0.977
1.25	1.125	0.757	1.594	2.571
1.50	1.375	2.318	4.881	7.452
1.75	1.625	4.496	9.467	16.920
2.00	1.875	7.069	14.886	31.805
2.25	2.125	10.752	22.641	54.446
2.50	2.375	11.312	23.820	78.267
2.75	2.625	7.329	15.433	93.700
3.00	2.875	2.282	4.805	98.505
3.25	3.125	0.487	1.026	99.530
3.50	3.375	0.164	0.345	99.876
3.75	3.625	0.046	0.097	99.973
4.00	3.875	0.008	0.017	99.989
5.00	4.50	0.005	0.011	100.000

Statistical Results			
Mean:	2.1638	phi	(0.2232 mm)
Standard Dev:	0.4441	phi-units	(0.735 mm)
Skewness:	-0.4006	dimensionless	
Kurtosis:	3.5602	dimensionless	
5th Moment:	-3.6529	dimensionless	
6th Moment:	26.8622	dimensionless	
RARD *	0.2053	dimensionless	
Median	2.0759	phi	(0.2372 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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