

Onshore Grab Sample

Sample: GF-08-BB
Sample Taken By: D. Phelps
Sample Collected On: 11/19/10
Splits? N/A

County: Gulf
Latitude: 29° 50' 46.6" N
Longitude: 85° 24' 53.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	47.768 grams
Total Fines in Sample	0.032 grams
Total Percent Fines	0.07 %

Dry Sieving Summary

Total Sample Weight	47.537 grams
Total Digested Weight	47.495 grams
Total Carbonate Weight	0.042 grams
Total Silica %	99.91 %
Total Carbonate %	0.09 %
Carbonate/Silica Ratio	0.001

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: 47.537 grams

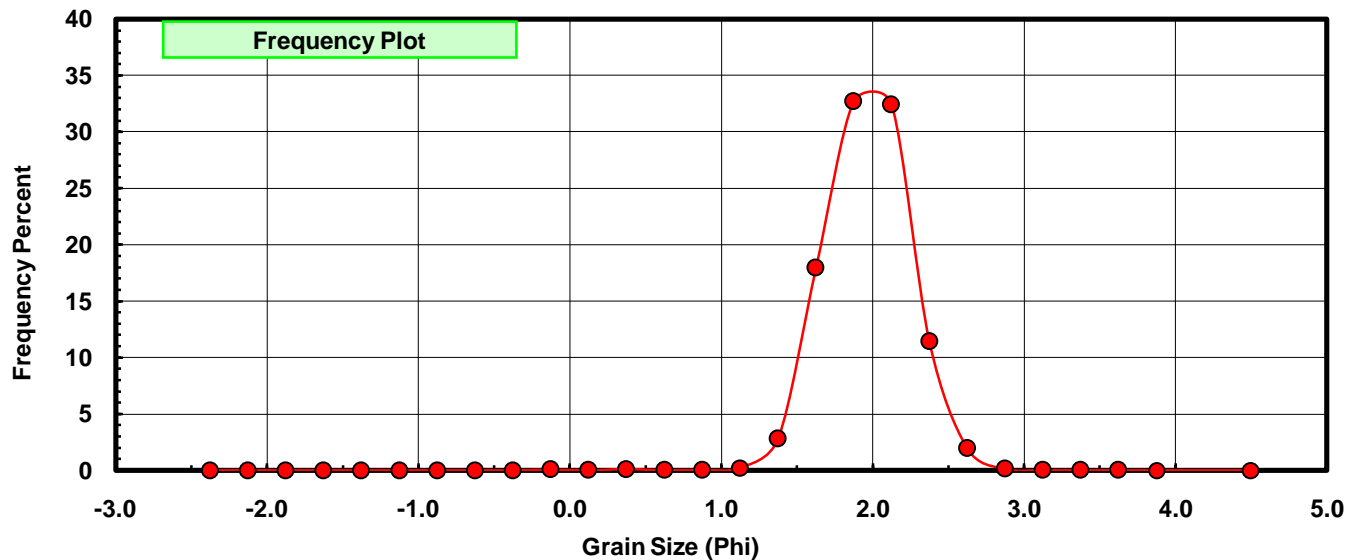
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.030	0.063	0.063
0.25	0.125	0.006	0.013	0.076
0.50	0.375	0.047	0.099	0.175
0.75	0.625	0.008	0.017	0.191
1.00	0.875	0.020	0.042	0.234
1.25	1.125	0.109	0.229	0.463
1.50	1.375	1.340	2.819	3.282
1.75	1.625	8.528	17.940	21.221
2.00	1.875	15.550	32.711	53.933
2.25	2.125	15.423	32.444	86.377
2.50	2.375	5.446	11.456	97.833
2.75	2.625	0.942	1.982	99.815
3.00	2.875	0.067	0.141	99.956
3.25	3.125	0.009	0.019	99.975
3.50	3.375	0.008	0.017	99.992
3.75	3.625	0.002	0.004	99.996
4.00	3.875	0.001	0.002	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.9661	phi	(0.256 mm)
Standard Dev:	0.2851	phi-units	(0.8207 mm)
Skewness:	-0.3848	dimensionless	
Kurtosis:	5.9678	dimensionless	
5th Moment:	-18.3897	dimensionless	
6th Moment:	170.9263	dimensionless	
RARD *	0.1450	dimensionless	
Median	1.8449	phi	(0.2784 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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