

Onshore Grab Sample

Sample: GF-04-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/11/11
Splits? N/A

County: Gulf
Latitude: 29° 53' 23" N
Longitude: 85° 21' 28.9" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 52.977 grams
Total Fines in Sample 0.029 grams
Total Percent Fines 0.05 %

Dry Sieving Summary

Total Sample Weight 52.798 grams
Total Digested Weight 51.946 grams
Total Carbonate Weight 0.852 grams
Total Silica % 98.39 %
Total Carbonate % 1.61 %
Carbonate/Silica Ratio 0.016

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: 52.798 grams

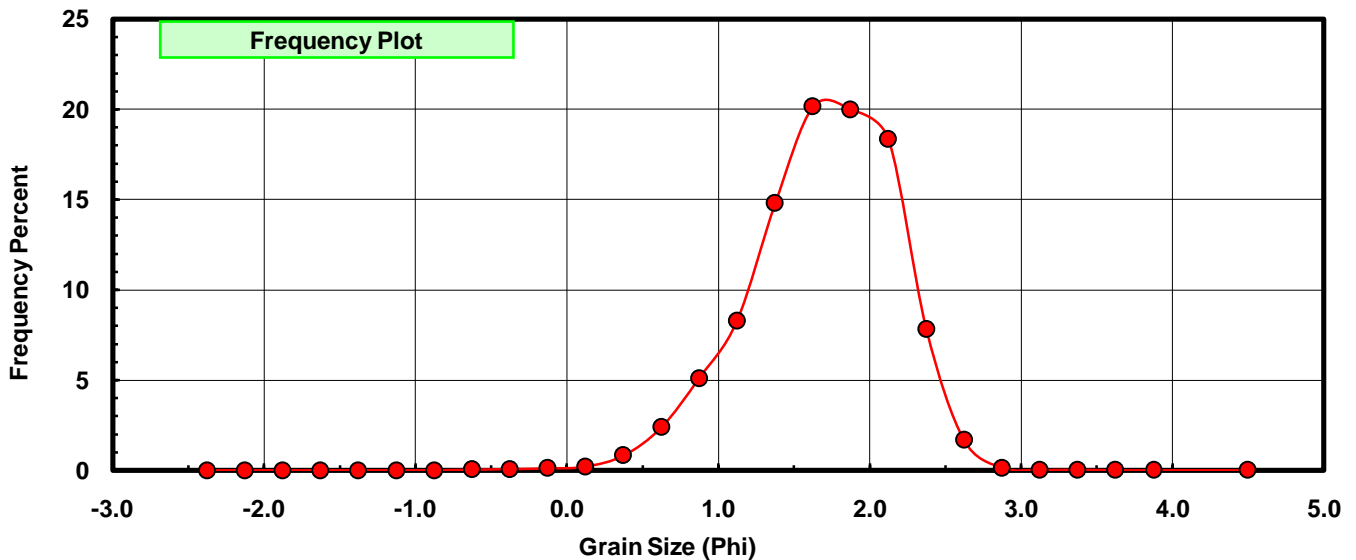
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.022	0.042	0.042
-0.25	-0.375	0.032	0.061	0.102
0.00	-0.125	0.062	0.117	0.220
0.25	0.125	0.109	0.206	0.426
0.50	0.375	0.434	0.822	1.248
0.75	0.625	1.263	2.392	3.640
1.00	0.875	2.690	5.095	8.735
1.25	1.125	4.371	8.279	17.014
1.50	1.375	7.811	14.794	31.808
1.75	1.625	10.636	20.145	51.953
2.00	1.875	10.558	19.997	71.950
2.25	2.125	9.680	18.334	90.284
2.50	2.375	4.129	7.820	98.104
2.75	2.625	0.890	1.686	99.790
3.00	2.875	0.070	0.133	99.922
3.25	3.125	0.014	0.027	99.949
3.50	3.375	0.012	0.023	99.972
3.75	3.625	0.006	0.011	99.983
4.00	3.875	0.004	0.008	99.991
5.00	4.50	0.005	0.009	100.000

Statistical Results			
Mean:	1.6872	phi	(0.3105 mm)
Standard Dev:	0.4825	phi-units	(0.7157 mm)
Skewness:	-0.5011	dimensionless	
Kurtosis:	3.5140	dimensionless	
5th Moment:	-4.7148	dimensionless	
6th Moment:	29.8079	dimensionless	
RARD *	0.2860	dimensionless	
Median	1.6008	phi	(0.3297 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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