

Onshore Grab Sample

Sample: BY-29-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/31/11
Splits? N/A

County: Bay
Latitude: 30° 3' 55.9" N
Longitude: 85° 37' 5.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	47.04 grams
Total Fines in Sample	0.003 grams
Total Percent Fines	0.01 %

Dry Sieving Summary

Total Sample Weight	47.143 grams
Total Digested Weight	47.151 grams
Total Carbonate Weight	-0.008 grams
Total Silica %	100.02 %
Total Carbonate %	-0.02 %
Carbonate/Silica Ratio	0.000

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: 47.143 grams

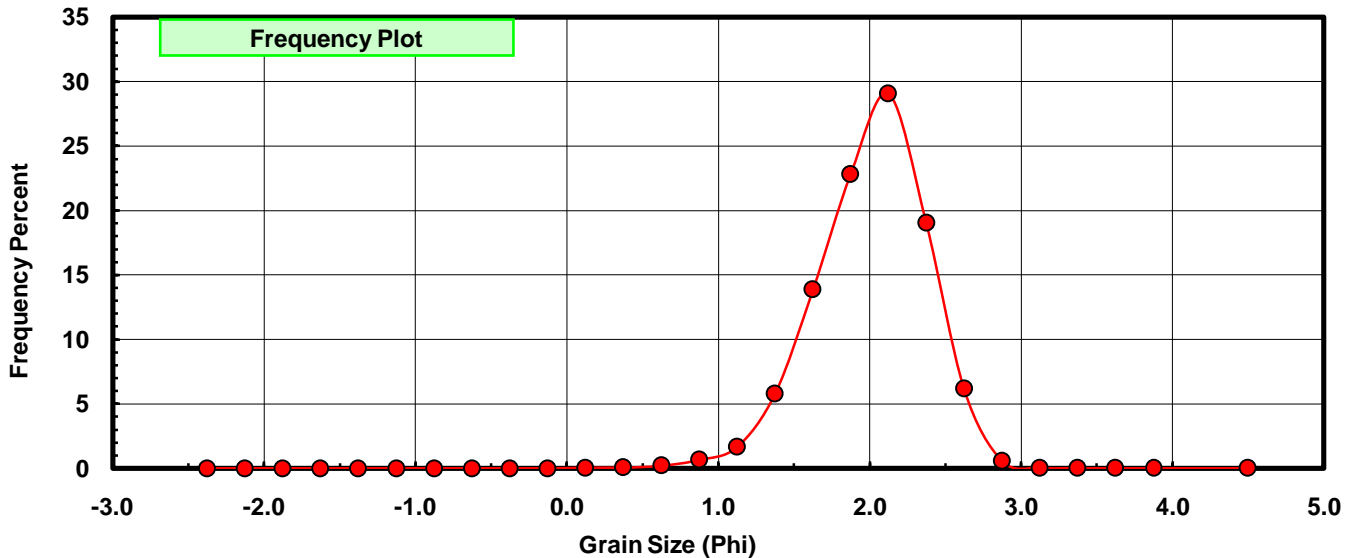
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.013	0.028	0.028
0.50	0.375	0.030	0.064	0.091
0.75	0.625	0.103	0.218	0.310
1.00	0.875	0.313	0.664	0.974
1.25	1.125	0.780	1.655	2.628
1.50	1.375	2.738	5.808	8.436
1.75	1.625	6.531	13.854	22.290
2.00	1.875	10.756	22.816	45.105
2.25	2.125	13.692	29.044	74.149
2.50	2.375	8.966	19.019	93.168
2.75	2.625	2.911	6.175	99.342
3.00	2.875	0.278	0.590	99.932
3.25	3.125	0.019	0.040	99.972
3.50	3.375	0.006	0.013	99.985
3.75	3.625	0.003	0.006	99.992
4.00	3.875	0.002	0.004	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	2.0090	phi	(0.2484 mm)
Standard Dev:	0.3710	phi-units	(0.7732 mm)
Skewness:	-0.4920	dimensionless	
Kurtosis:	3.7141	dimensionless	
5th Moment:	-5.3635	dimensionless	
6th Moment:	34.0692	dimensionless	
RARD *	0.1847	dimensionless	
Median	1.9171	phi	(0.2648 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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