

Onshore Grab Sample

Sample: BY-18-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/14/11
Splits? N/A

County: Bay
Latitude: 30° 8' 31.9" N
Longitude: 85° 45' 22.7" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 56.675 grams
Total Fines in Sample 0.027 grams
Total Percent Fines 0.05 %

Dry Sieving Summary

Total Sample Weight 56.501 grams
Total Digested Weight 55.307 grams
Total Carbonate Weight 1.194 grams
Total Silica % 97.89 %
Total Carbonate % 2.11 %
Carbonate/Silica Ratio 0.022

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: 56.501 grams

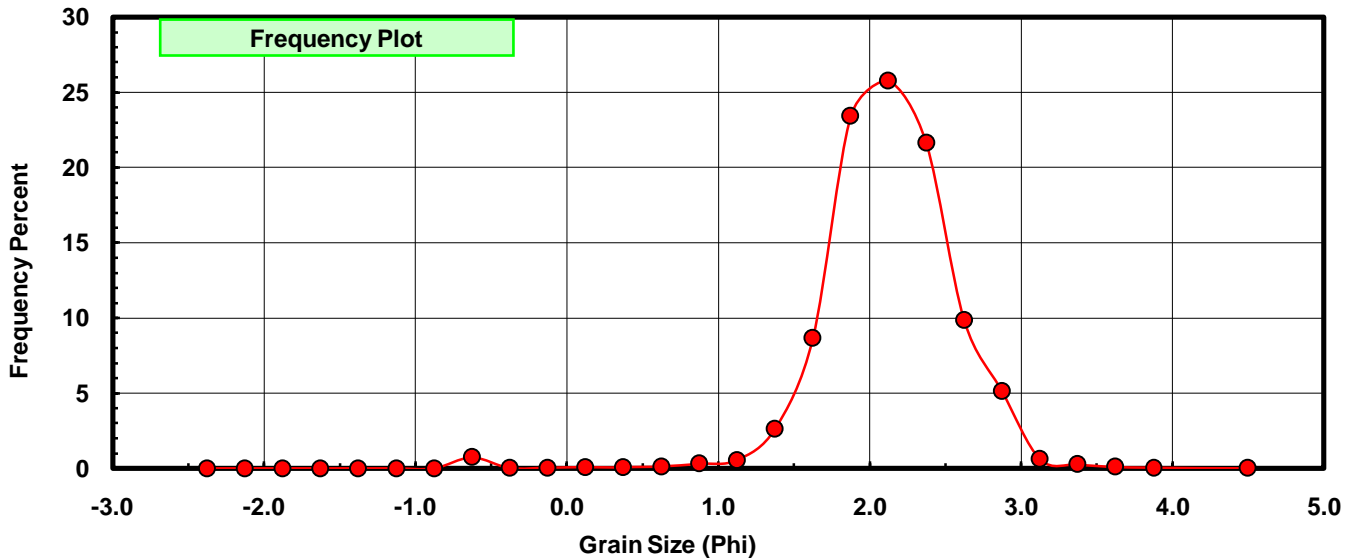
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.415	0.735	0.735
-0.25	-0.375	0.011	0.019	0.754
0.00	-0.125	0.018	0.032	0.786
0.25	0.125	0.040	0.071	0.857
0.50	0.375	0.041	0.073	0.929
0.75	0.625	0.064	0.113	1.042
1.00	0.875	0.175	0.310	1.352
1.25	1.125	0.303	0.536	1.888
1.50	1.375	1.484	2.627	4.515
1.75	1.625	4.894	8.662	13.177
2.00	1.875	13.225	23.407	36.583
2.25	2.125	14.555	25.761	62.344
2.50	2.375	12.224	21.635	83.979
2.75	2.625	5.576	9.869	93.848
3.00	2.875	2.908	5.147	98.995
3.25	3.125	0.342	0.605	99.600
3.50	3.375	0.150	0.265	99.865
3.75	3.625	0.057	0.101	99.966
4.00	3.875	0.016	0.028	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	2.1220	phi	(0.2297 mm)
Standard Dev:	0.4602	phi-units	(0.7269 mm)
Skewness:	-1.6046	dimensionless	
Kurtosis:	12.0479	dimensionless	
5th Moment:	-59.4842	dimensionless	
6th Moment:	364.7420	dimensionless	
RARD *	0.2169	dimensionless	
Median	2.0052	phi	(0.2491 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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