

Onshore Grab Sample

Sample: BY-28-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/31/11
Splits? N/A

County: Bay
Latitude: 30° 4' 9.0" N
Longitude: 85° 37' 55.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	39.211 grams
Total Fines in Sample	0.051 grams
Total Percent Fines	0.13 %

Dry Sieving Summary

Total Sample Weight	39.255 grams
Total Digested Weight	39.414 grams
Total Carbonate Weight	-0.159 grams
Total Silica %	100.41 %
Total Carbonate %	-0.41 %
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: 39.255 grams

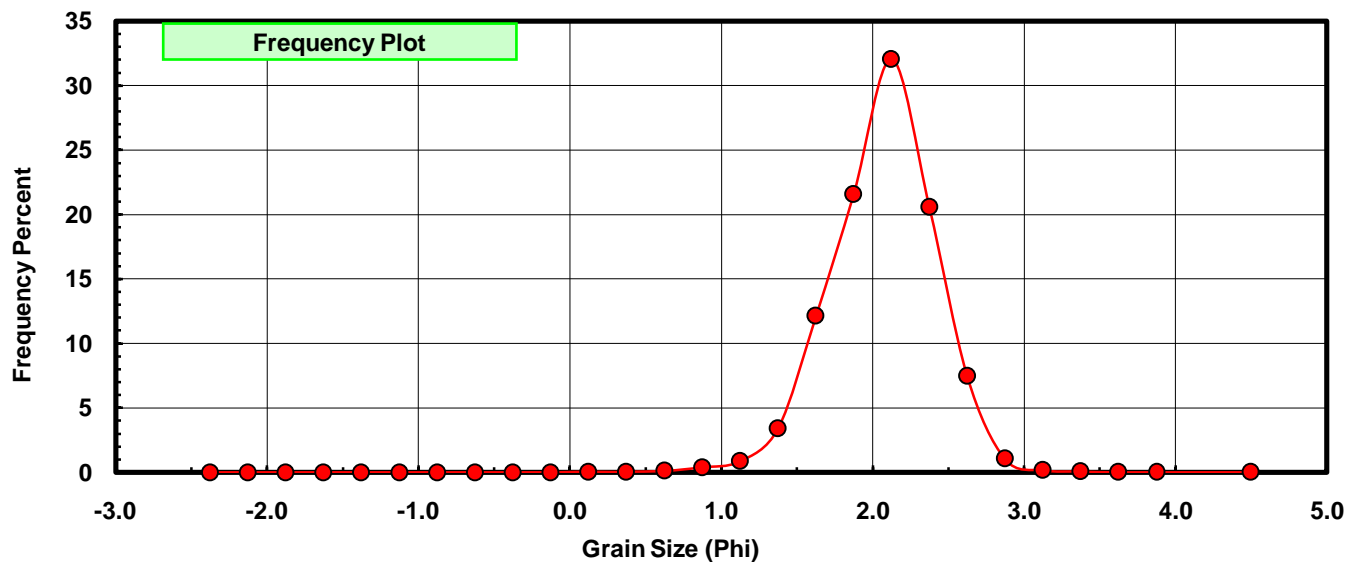
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.011	0.028	0.028
0.50	0.375	0.012	0.031	0.059
0.75	0.625	0.049	0.125	0.183
1.00	0.875	0.156	0.397	0.581
1.25	1.125	0.336	0.856	1.437
1.50	1.375	1.337	3.406	4.843
1.75	1.625	4.765	12.139	16.981
2.00	1.875	8.470	21.577	38.558
2.25	2.125	12.582	32.052	70.610
2.50	2.375	8.087	20.601	91.211
2.75	2.625	2.938	7.484	98.696
3.00	2.875	0.416	1.060	99.755
3.25	3.125	0.060	0.153	99.908
3.50	3.375	0.023	0.059	99.967
3.75	3.625	0.007	0.018	99.985
4.00	3.875	0.004	0.010	99.995
5.00	4.50	0.002	0.005	100.000

Statistical Results			
Mean:	2.0680	phi	(0.2385 mm)
Standard Dev:	0.3515	phi-units	(0.7838 mm)
Skewness:	-0.3550	dimensionless	
Kurtosis:	4.0781	dimensionless	
5th Moment:	-4.4027	dimensionless	
6th Moment:	45.0556	dimensionless	
RARD *	0.1699	dimensionless	
Median	1.9642	phi	(0.2563 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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