

Onshore Grab Sample

Sample: BY-36-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/14/11
Splits? N/A

County: Bay
Latitude: 29° 59' 42.6" N
Longitude: 85° 31' 45.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	54.123 grams
Total Fines in Sample	0.100 grams
Total Percent Fines	0.18 %

Dry Sieving Summary

Total Sample Weight	53.727 grams
Total Digested Weight	53.407 grams
Total Carbonate Weight	0.320 grams
Total Silica %	99.40 %
Total Carbonate %	0.60 %
Carbonate/Silica Ratio	0.006

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: 53.727 grams

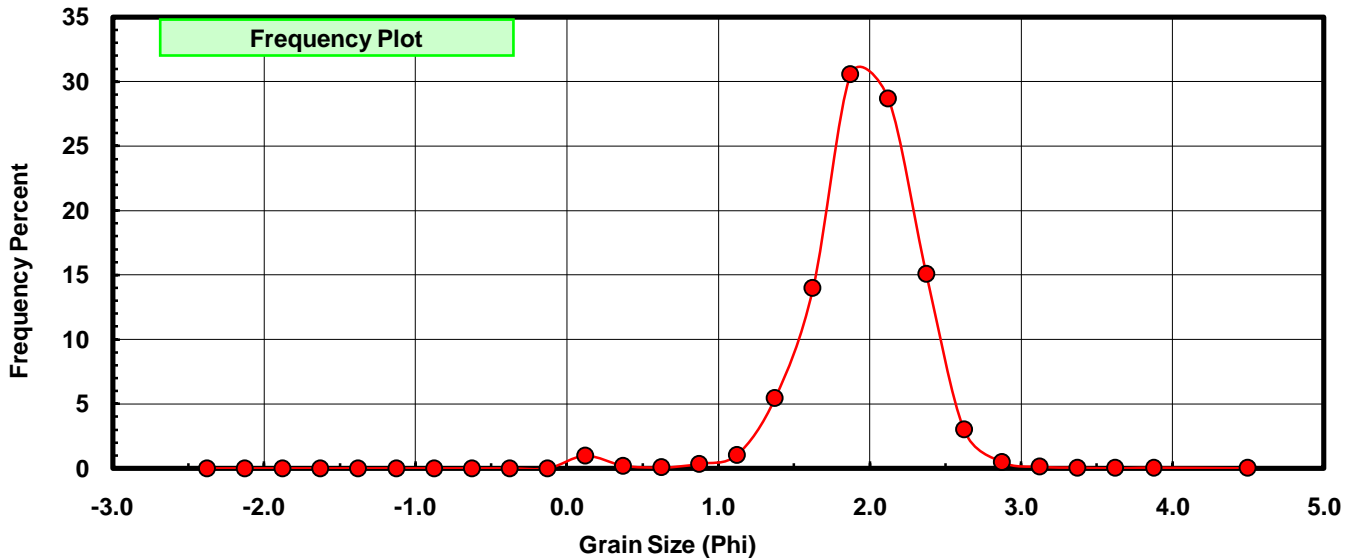
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.530	0.986	0.986
0.50	0.375	0.098	0.182	1.169
0.75	0.625	0.030	0.056	1.225
1.00	0.875	0.187	0.348	1.573
1.25	1.125	0.559	1.040	2.613
1.50	1.375	2.930	5.453	8.067
1.75	1.625	7.496	13.952	22.019
2.00	1.875	16.417	30.556	52.575
2.25	2.125	15.390	28.645	81.220
2.50	2.375	8.104	15.084	96.304
2.75	2.625	1.607	2.991	99.295
3.00	2.875	0.264	0.491	99.786
3.25	3.125	0.064	0.119	99.905
3.50	3.375	0.026	0.048	99.953
3.75	3.625	0.007	0.013	99.966
4.00	3.875	0.016	0.030	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.9584	phi	(0.2573 mm)
Standard Dev:	0.3805	phi-units	(0.7682 mm)
Skewness:	-1.1937	dimensionless	
Kurtosis:	8.1408	dimensionless	
5th Moment:	-26.9365	dimensionless	
6th Moment:	154.1053	dimensionless	
RARD *	0.1943	dimensionless	
Median	1.8539	phi	(0.2766 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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