

Onshore Grab Sample

Sample: BY-40-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/11/11
Splits? N/A

County: Bay
Latitude: 29° 57' 33.4" N
Longitude: 85° 29' 6.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	49.033 grams
Total Fines in Sample	0.003 grams
Total Percent Fines	0.01 %

Dry Sieving Summary

Total Sample Weight	49.246 grams
Total Digested Weight	49.017 grams
Total Carbonate Weight	0.229 grams
Total Silica %	99.53 %
Total Carbonate %	0.47 %
Carbonate/Silica Ratio	0.005

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: 49.246 grams

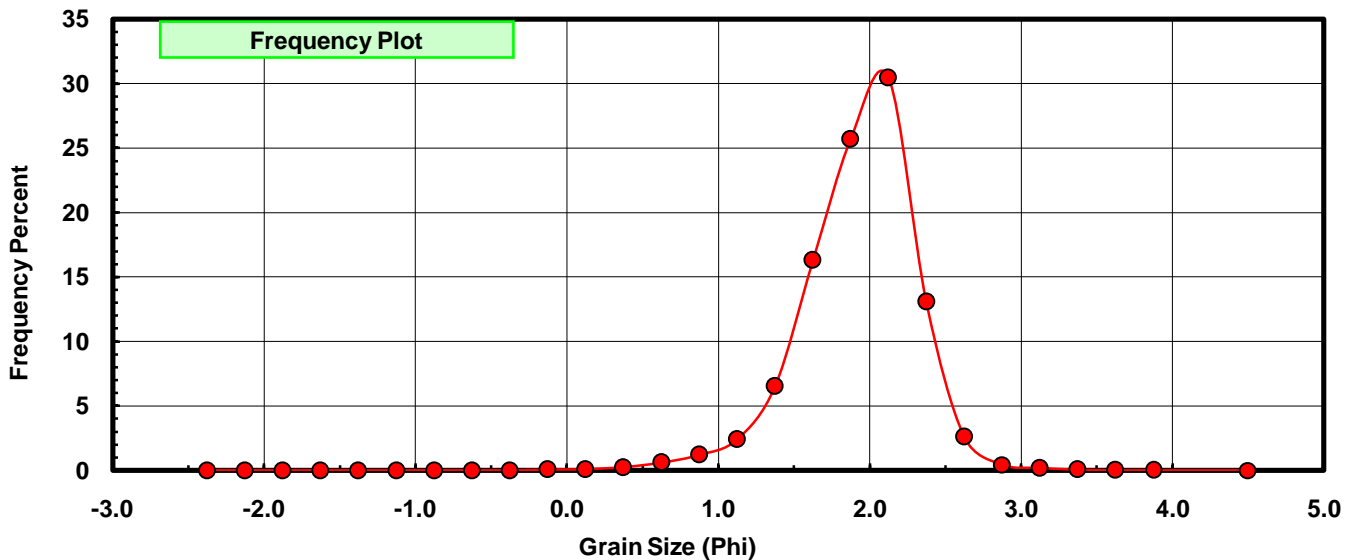
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.028	0.057	0.057
0.25	0.125	0.041	0.083	0.140
0.50	0.375	0.122	0.248	0.388
0.75	0.625	0.303	0.615	1.003
1.00	0.875	0.596	1.210	2.213
1.25	1.125	1.178	2.392	4.605
1.50	1.375	3.216	6.530	11.136
1.75	1.625	8.031	16.308	27.444
2.00	1.875	12.654	25.695	53.139
2.25	2.125	14.995	30.449	83.589
2.50	2.375	6.438	13.073	96.662
2.75	2.625	1.286	2.611	99.273
3.00	2.875	0.221	0.449	99.722
3.25	3.125	0.088	0.179	99.900
3.50	3.375	0.034	0.069	99.970
3.75	3.625	0.010	0.020	99.990
4.00	3.875	0.004	0.008	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.9269	phi	(0.263 mm)
Standard Dev:	0.3857	phi-units	(0.7654 mm)
Skewness:	-0.7226	dimensionless	
Kurtosis:	5.0324	dimensionless	
5th Moment:	-9.8863	dimensionless	
6th Moment:	60.3251	dimensionless	
RARD *	0.2001	dimensionless	
Median	1.8445	phi	(0.2785 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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