

Onshore Grab Sample

Sample: BY-45
Sample Taken By: D. Phelps
Sample Collected On: 1/11/11
Splits? N/A

County: Bay
Latitude: 29° 56' 26.1" N
Longitude: 85° 24' 29.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	58.695 grams
Total Fines in Sample	0.095 grams
Total Percent Fines	0.16 %

Dry Sieving Summary

Total Sample Weight	58.676 grams
Total Digested Weight	57.464 grams
Total Carbonate Weight	1.212 grams
Total Silica %	97.93 %
Total Carbonate %	2.07 %
Carbonate/Silica Ratio	0.021

General Comments:

Not Enough Carbonate Material to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: BY-45

Total Sample Mass: 58.676 grams

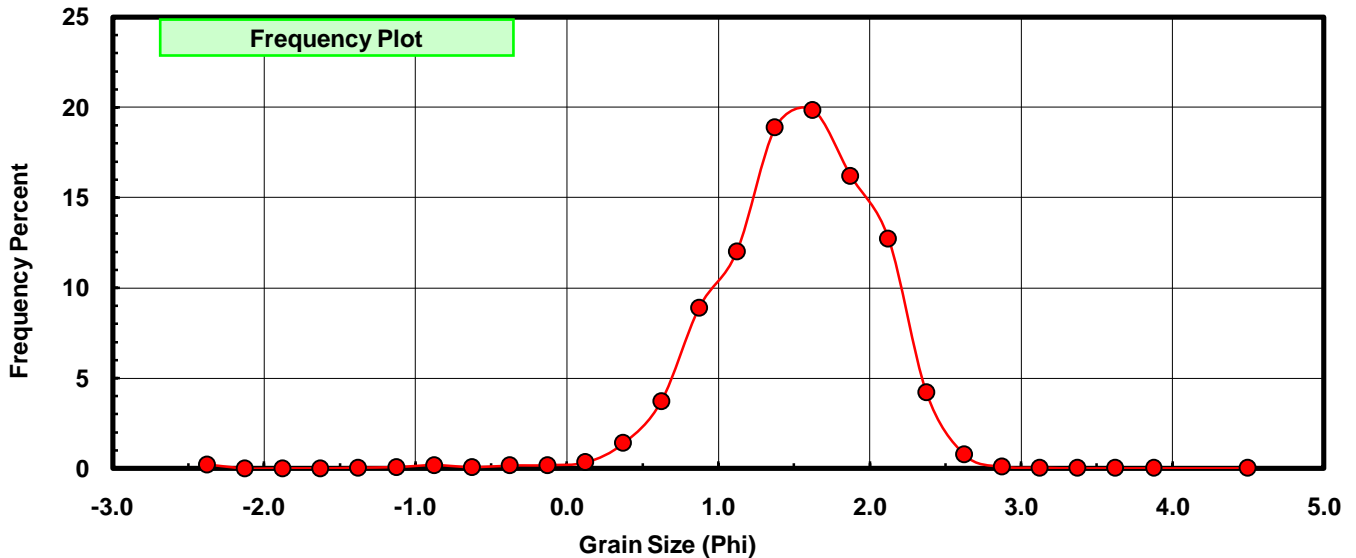
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.125	0.213	0.213
-2.00	-2.125	0.000	0.000	0.213
-1.75	-1.875	0.000	0.000	0.213
-1.50	-1.625	0.000	0.000	0.213
-1.25	-1.375	0.012	0.020	0.233
-1.00	-1.125	0.039	0.066	0.300
-0.75	-0.875	0.099	0.169	0.469
-0.50	-0.625	0.034	0.058	0.527
-0.25	-0.375	0.091	0.155	0.682
0.00	-0.125	0.103	0.176	0.857
0.25	0.125	0.196	0.334	1.191
0.50	0.375	0.817	1.392	2.584
0.75	0.625	2.177	3.710	6.294
1.00	0.875	5.215	8.888	15.182
1.25	1.125	7.052	12.019	27.200
1.50	1.375	11.077	18.878	46.078
1.75	1.625	11.649	19.853	65.932
2.00	1.875	9.503	16.196	82.127
2.25	2.125	7.468	12.728	94.855
2.50	2.375	2.470	4.210	99.064
2.75	2.625	0.455	0.775	99.840
3.00	2.875	0.056	0.095	99.935
3.25	3.125	0.018	0.031	99.966
3.50	3.375	0.008	0.014	99.980
3.75	3.625	0.007	0.012	99.991
4.00	3.875	0.004	0.007	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	1.5147	phi	(0.35 mm)
Standard Dev:	0.5422	phi-units	(0.6867 mm)
Skewness:	-1.2431	dimensionless	
Kurtosis:	9.1663	dimensionless	
5th Moment:	-48.7248	dimensionless	
6th Moment:	334.9151	dimensionless	
RARD *	0.3580	dimensionless	
Median	1.4244	phi	(0.3726 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)



BY-45

