

Onshore Grab Sample

Sample: BY-11-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/15/11
Splits? N/A

County: Bay
Latitude: 30° 11' 51.7" N
Longitude: 85° 50' 41.7" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	54.865 grams
Total Fines in Sample	0.015 grams
Total Percent Fines	0.03 %

Dry Sieving Summary

Total Sample Weight	54.482 grams
Total Digested Weight	54.400 grams
Total Carbonate Weight	0.082 grams
Total Silica %	99.85 %
Total Carbonate %	0.15 %
Carbonate/Silica Ratio	0.002

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: 54.482 grams

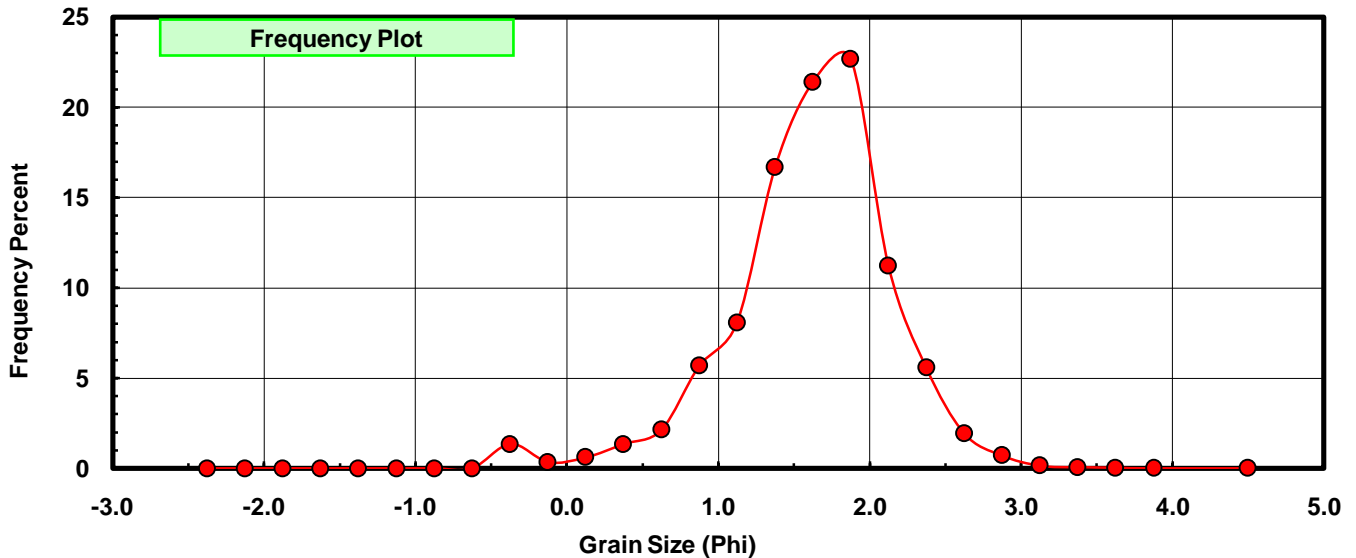
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.734	1.347	1.347
0.00	-0.125	0.186	0.341	1.689
0.25	0.125	0.333	0.611	2.300
0.50	0.375	0.733	1.345	3.645
0.75	0.625	1.163	2.135	5.780
1.00	0.875	3.092	5.675	11.455
1.25	1.125	4.386	8.050	19.506
1.50	1.375	9.094	16.692	36.197
1.75	1.625	11.659	21.400	57.597
2.00	1.875	12.357	22.681	80.278
2.25	2.125	6.114	11.222	91.500
2.50	2.375	3.042	5.583	97.083
2.75	2.625	1.056	1.938	99.022
3.00	2.875	0.389	0.714	99.736
3.25	3.125	0.083	0.152	99.888
3.50	3.375	0.035	0.064	99.952
3.75	3.625	0.014	0.026	99.978
4.00	3.875	0.010	0.018	99.996
5.00	4.50	0.002	0.004	100.000

Statistical Results			
Mean:	1.6076	phi	(0.3281 mm)
Standard Dev:	0.5477	phi-units	(0.6841 mm)
Skewness:	-0.7908	dimensionless	
Kurtosis:	4.9175	dimensionless	
5th Moment:	-9.6671	dimensionless	
6th Moment:	45.9788	dimensionless	
RARD *	0.3407	dimensionless	
Median	1.5362	phi	(0.3448 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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