

Onshore Grab Sample

Sample: DD-04-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/28/09
Splits? N/A

County: Dade
Latitude: 25° 55' 07.8"
Longitude: 80° 07' 17.2"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 56.61 grams
Total Fines in Sample 0.272 grams
Total Percent Fines 0.48 %

Dry Sieving Summary

Total Sample Weight 56.441 grams
Total Digested Weight 4.414 grams
Total Carbonate Weight 52.027 grams
Total Silica % 7.82 %
Total Carbonate % 92.18 %
Carbonate/Silica Ratio 11.787

General Comments:

Not Enough Sample to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: DD-04-BB

Total Sample Mass: 56.441 grams

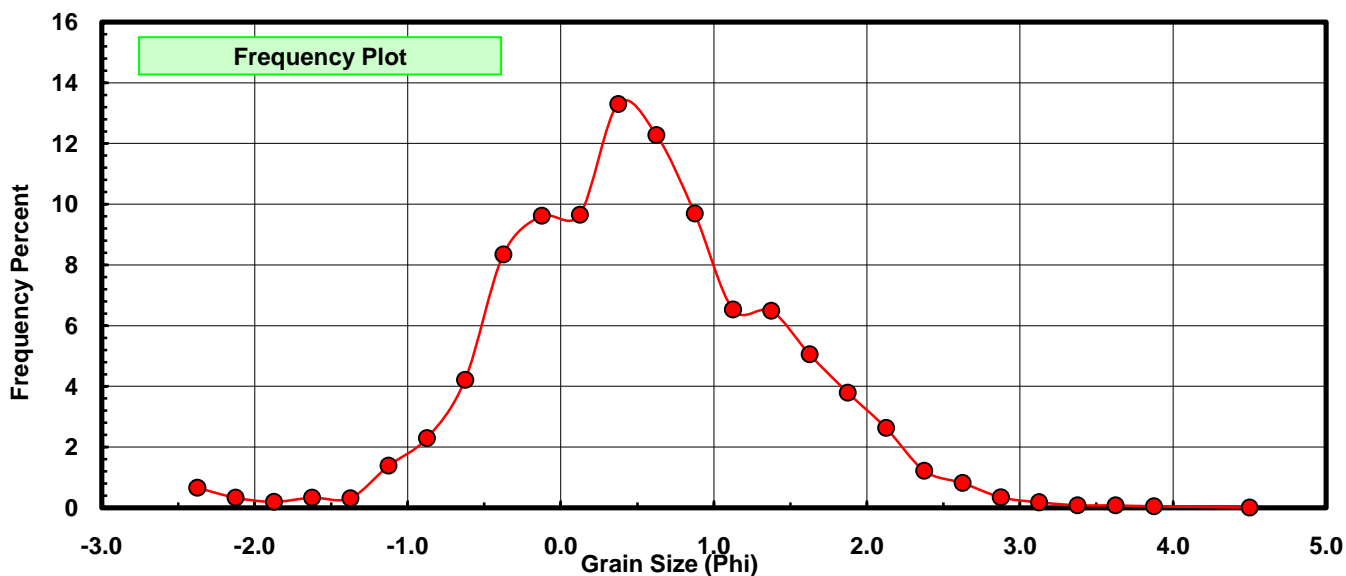
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.376	0.666	0.666
-2.00	-2.125	0.191	0.338	1.005
-1.75	-1.875	0.113	0.200	1.205
-1.50	-1.625	0.191	0.338	1.543
-1.25	-1.375	0.180	0.319	1.862
-1.00	-1.125	0.783	1.387	3.249
-0.75	-0.875	1.295	2.294	5.544
-0.50	-0.625	2.381	4.219	9.762
-0.25	-0.375	4.714	8.352	18.114
0.00	-0.125	5.429	9.619	27.733
0.25	0.125	5.450	9.656	37.389
0.50	0.375	7.510	13.306	50.695
0.75	0.625	6.931	12.280	62.975
1.00	0.875	5.473	9.697	72.672
1.25	1.125	3.688	6.534	79.207
1.50	1.375	3.665	6.494	85.700
1.75	1.625	2.854	5.057	90.757
2.00	1.875	2.143	3.797	94.554
2.25	2.125	1.485	2.631	97.185
2.50	2.375	0.691	1.224	98.409
2.75	2.625	0.462	0.819	99.228
3.00	2.875	0.198	0.351	99.578
3.25	3.125	0.104	0.184	99.763
3.50	3.375	0.050	0.089	99.851
3.75	3.625	0.046	0.082	99.933
4.00	3.875	0.030	0.053	99.986
5.00	4.50	0.008	0.014	100.000

Statistical Results			
Mean:	0.5286	phi	(0.6932 mm)
Standard Dev:	0.9014	phi-units	(0.5354 mm)
Skewness:	0.0430	dimensionless	
Kurtosis:	3.5523	dimensionless	
5th Moment:	-0.4911	dimensionless	
6th Moment:	23.2709	dimensionless	
RARD *	1.7051	dimensionless	
Median	0.3619	phi	(0.7781 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)



DD-04-BB

