

Onshore Grab Sample

Sample: DD-12-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/24/09
Splits? N/A

County: Dade
Latitude: 25° 48' 14.7"
Longitude: 80° 07' 25.4"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	57.32 grams
Total Fines in Sample	0.278 grams
Total Percent Fines	0.48 %

Dry Sieving Summary

Total Sample Weight	57.165 grams
Total Digested Weight	9.648 grams
Total Carbonate Weight	47.517 grams
Total Silica %	16.88 %
Total Carbonate %	83.12 %
Carbonate/Silica Ratio	4.925

General Comments:

Not Enough Sample 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: 57.165 grams

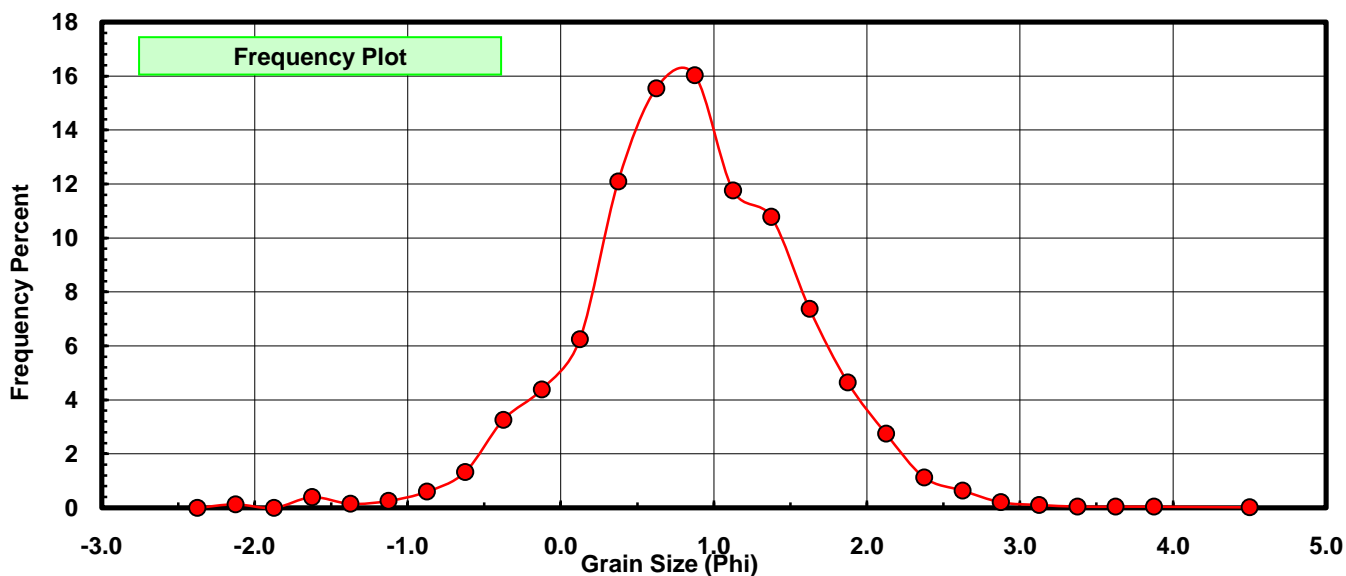
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.076	0.133	0.133
-1.75	-1.875	0.000	0.000	0.133
-1.50	-1.625	0.227	0.397	0.530
-1.25	-1.375	0.086	0.150	0.680
-1.00	-1.125	0.149	0.261	0.941
-0.75	-0.875	0.343	0.600	1.541
-0.50	-0.625	0.759	1.328	2.869
-0.25	-0.375	1.866	3.264	6.133
0.00	-0.125	2.507	4.386	10.519
0.25	0.125	3.569	6.243	16.762
0.50	0.375	6.911	12.090	28.852
0.75	0.625	8.889	15.550	44.401
1.00	0.875	9.167	16.036	60.437
1.25	1.125	6.725	11.764	72.202
1.50	1.375	6.165	10.785	82.986
1.75	1.625	4.216	7.375	90.361
2.00	1.875	2.656	4.646	95.007
2.25	2.125	1.571	2.748	97.756
2.50	2.375	0.643	1.125	98.880
2.75	2.625	0.367	0.642	99.522
3.00	2.875	0.119	0.208	99.731
3.25	3.125	0.062	0.108	99.839
3.50	3.375	0.028	0.049	99.888
3.75	3.625	0.026	0.045	99.934
4.00	3.875	0.026	0.045	99.979
5.00	4.50	0.012	0.021	100.000

Statistical Results			
Mean:	0.8500	phi	(0.5548 mm)
Standard Dev:	0.7203	phi-units	(0.607 mm)
Skewness:	-0.1059	dimensionless	
Kurtosis:	3.9814	dimensionless	
5th Moment:	-1.4610	dimensionless	
6th Moment:	33.7566	dimensionless	
RARD *	0.8473	dimensionless	
Median	0.7123	phi	(0.6104 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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