

Onshore Grab Sample

Sample: DD-05-BB
Sample Taken By: D. Phelps
Sample Collected On: 1/28/09
Splits? N/A

County: Dade
Latitude: 25° 54' 19.0"
Longitude: 80° 07' 18.2"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 55.84 grams
Total Fines in Sample 0.314 grams
Total Percent Fines 0.56 %

Dry Sieving Summary

Total Sample Weight 55.525 grams
Total Digested Weight 3.484 grams
Total Carbonate Weight 52.041 grams
Total Silica % 6.27 %
Total Carbonate % 93.73 %
Carbonate/Silica Ratio 14.937

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: 55.525 grams

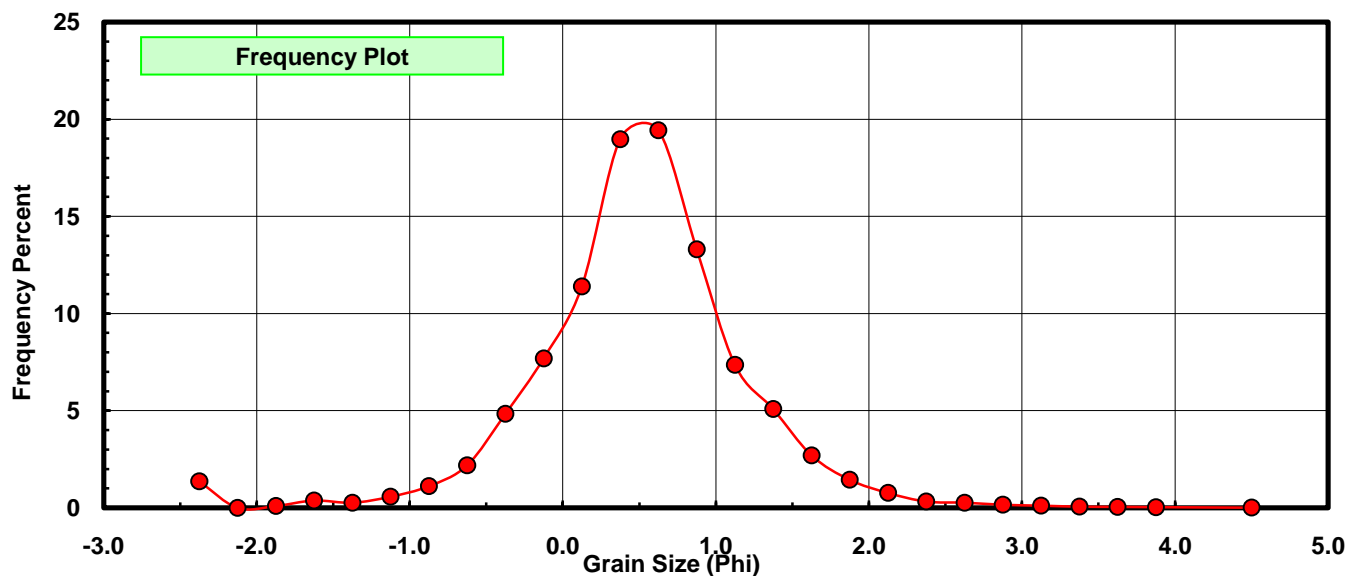
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.759	1.367	1.367
-2.00	-2.125	0.000	0.000	1.367
-1.75	-1.875	0.051	0.092	1.459
-1.50	-1.625	0.210	0.378	1.837
-1.25	-1.375	0.146	0.263	2.100
-1.00	-1.125	0.319	0.575	2.674
-0.75	-0.875	0.618	1.113	3.787
-0.50	-0.625	1.214	2.186	5.974
-0.25	-0.375	2.685	4.836	10.810
0.00	-0.125	4.273	7.696	18.505
0.25	0.125	6.330	11.400	29.905
0.50	0.375	10.538	18.979	48.884
0.75	0.625	10.793	19.438	68.322
1.00	0.875	7.388	13.306	81.628
1.25	1.125	4.086	7.359	88.987
1.50	1.375	2.822	5.082	94.069
1.75	1.625	1.500	2.701	96.771
2.00	1.875	0.801	1.443	98.213
2.25	2.125	0.426	0.767	98.981
2.50	2.375	0.180	0.324	99.305
2.75	2.625	0.148	0.267	99.571
3.00	2.875	0.088	0.158	99.730
3.25	3.125	0.063	0.113	99.843
3.50	3.375	0.034	0.061	99.905
3.75	3.625	0.028	0.050	99.955
4.00	3.875	0.020	0.036	99.991
5.00	4.50	0.005	0.009	100.000

Statistical Results			
Mean:	0.4902	phi	(0.7119 mm)
Standard Dev:	0.7285	phi-units	(0.6035 mm)
Skewness:	-0.5560	dimensionless	
Kurtosis:	6.4049	dimensionless	
5th Moment:	-9.2847	dimensionless	
6th Moment:	78.7652	dimensionless	
RARD *	1.4863	dimensionless	
Median	0.3893	phi	(0.7635 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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