

Onshore Grab Sample

Sample: DD-08-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/24/09
Splits? N/A

County: Dade
Latitude: 25° 51' 40.4"
Longitude: 80° 07' 08.9"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 55.164 grams
Total Fines in Sample 0.825 grams
Total Percent Fines 1.47 %

Dry Sieving Summary

Total Sample Weight 54.367 grams
Total Digested Weight 6.884 grams
Total Carbonate Weight 47.483 grams
Total Silica % 12.66 %
Total Carbonate % 87.34 %
Carbonate/Silica Ratio 6.898

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: 54.367 grams

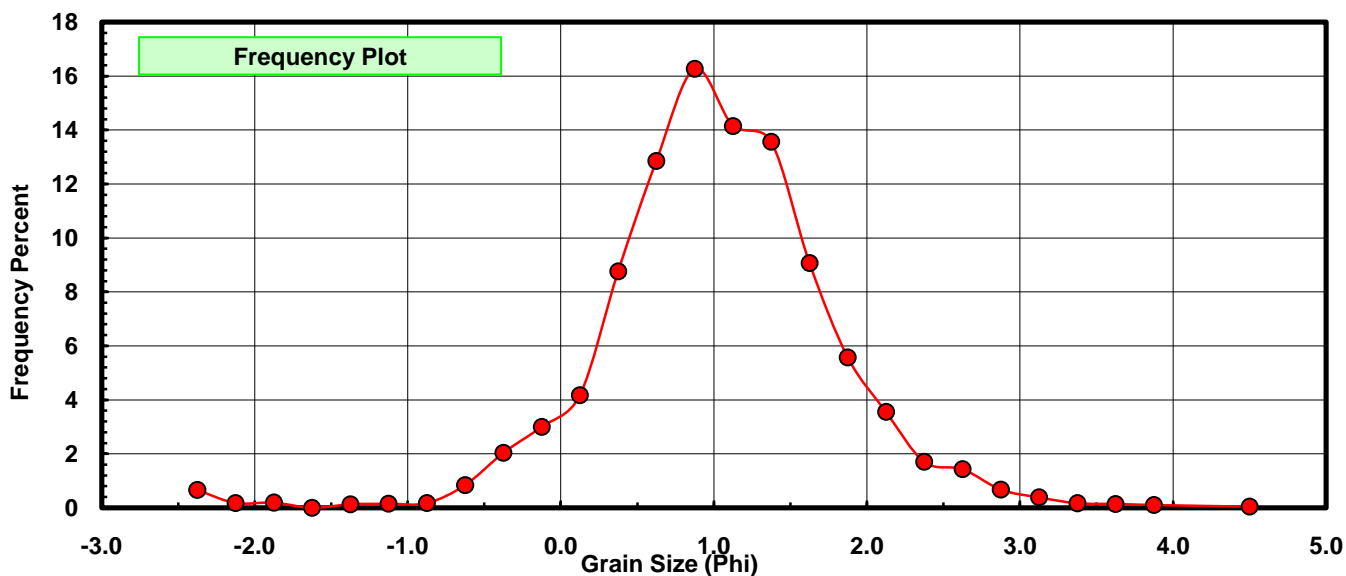
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.359	0.660	0.660
-2.00	-2.125	0.098	0.180	0.841
-1.75	-1.875	0.106	0.195	1.036
-1.50	-1.625	0.000	0.000	1.036
-1.25	-1.375	0.072	0.132	1.168
-1.00	-1.125	0.082	0.151	1.319
-0.75	-0.875	0.095	0.175	1.494
-0.50	-0.625	0.458	0.842	2.336
-0.25	-0.375	1.108	2.038	4.374
0.00	-0.125	1.632	3.002	7.376
0.25	0.125	2.268	4.172	11.547
0.50	0.375	4.763	8.761	20.308
0.75	0.625	6.991	12.859	33.167
1.00	0.875	8.842	16.264	49.431
1.25	1.125	7.692	14.148	63.579
1.50	1.375	7.372	13.560	77.139
1.75	1.625	4.930	9.068	86.207
2.00	1.875	3.032	5.577	91.784
2.25	2.125	1.932	3.554	95.337
2.50	2.375	0.926	1.703	97.040
2.75	2.625	0.779	1.433	98.473
3.00	2.875	0.367	0.675	99.148
3.25	3.125	0.210	0.386	99.535
3.50	3.375	0.093	0.171	99.706
3.75	3.625	0.079	0.145	99.851
4.00	3.875	0.057	0.105	99.956
5.00	4.50	0.024	0.044	100.000

Statistical Results			
Mean:	1.0155	phi	(0.4946 mm)
Standard Dev:	0.7844	phi-units	(0.5806 mm)
Skewness:	-0.4591	dimensionless	
Kurtosis:	5.8646	dimensionless	
5th Moment:	-10.4509	dimensionless	
6th Moment:	74.1764	dimensionless	
RARD *	0.7724	dimensionless	
Median	0.8851	phi	(0.5415 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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