

Onshore Grab Sample

Sample: DD-14-BB
Sample Taken By: D. Phelps
Sample Collected On: 2/24/09
Splits? N/A

County: Dade
Latitude: 25° 46' 38.4"
Longitude: 80° 07' 47.9"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	60.564 grams
Total Fines in Sample	1.719 grams
Total Percent Fines	2.76 %

Dry Sieving Summary

Total Sample Weight	58.933 grams
Total Digested Weight	4.269 grams
Total Carbonate Weight	54.664 grams
Total Silica %	7.24 %
Total Carbonate %	92.76 %
Carbonate/Silica Ratio	12.805

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: 58.933 grams

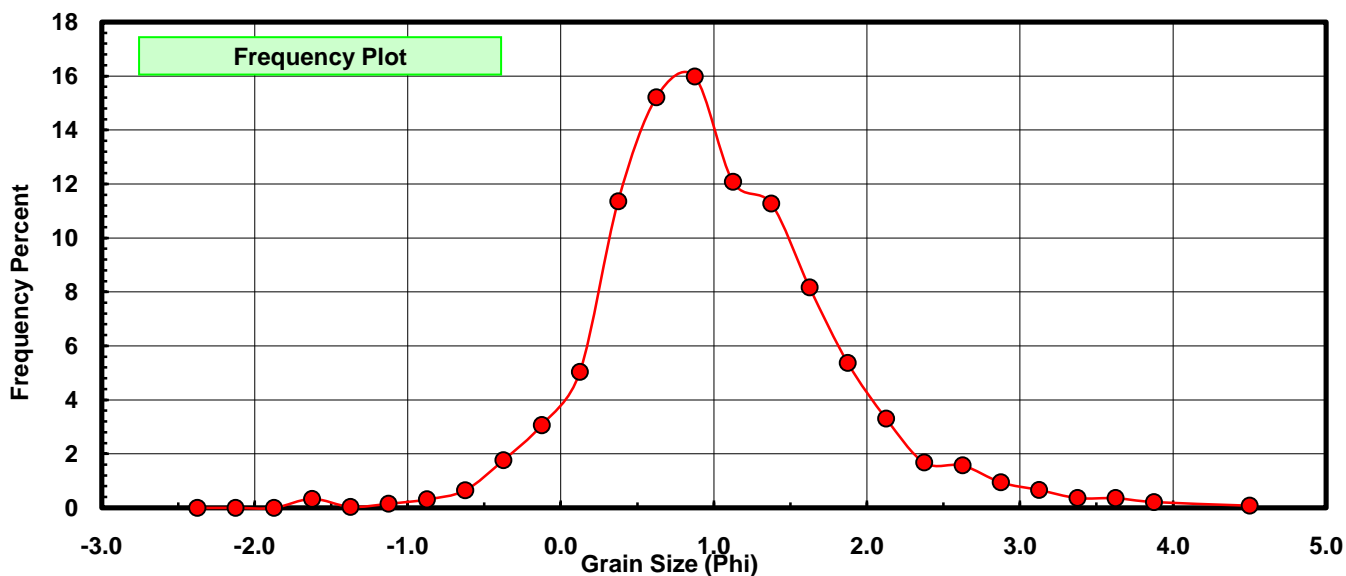
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.198	0.336	0.336
-1.25	-1.375	0.023	0.039	0.375
-1.00	-1.125	0.090	0.153	0.528
-0.75	-0.875	0.185	0.314	0.842
-0.50	-0.625	0.383	0.650	1.492
-0.25	-0.375	1.041	1.766	3.258
0.00	-0.125	1.806	3.064	6.322
0.25	0.125	2.967	5.035	11.357
0.50	0.375	6.697	11.364	22.721
0.75	0.625	8.964	15.210	37.931
1.00	0.875	9.417	15.979	53.910
1.25	1.125	7.118	12.078	65.988
1.50	1.375	6.644	11.274	77.262
1.75	1.625	4.815	8.170	85.433
2.00	1.875	3.165	5.371	90.803
2.25	2.125	1.952	3.312	94.115
2.50	2.375	0.989	1.678	95.794
2.75	2.625	0.926	1.571	97.365
3.00	2.875	0.557	0.945	98.310
3.25	3.125	0.391	0.663	98.973
3.50	3.375	0.215	0.365	99.338
3.75	3.625	0.213	0.361	99.700
4.00	3.875	0.128	0.217	99.917
5.00	4.50	0.049	0.083	100.000

Statistical Results			
Mean:	1.0201	phi	(0.4931 mm)
Standard Dev:	0.7693	phi-units	(0.5867 mm)
Skewness:	0.5006	dimensionless	
Kurtosis:	4.3905	dimensionless	
5th Moment:	5.5069	dimensionless	
6th Moment:	37.8135	dimensionless	
RARD *	0.7541	dimensionless	
Median	0.8138	phi	(0.5689 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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