

**Onshore Grab Sample**

**Sample:** DD-13-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 2/24/09  
**Splits?** N/A

**County:** Dade  
**Latitude:** 25° 47' 31.5"  
**Longitude:** 80° 07' 38.3"  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 61.907 grams  
Total Fines in Sample 0.536 grams  
Total Percent Fines 0.86 %

**Dry Sieving Summary**

Total Sample Weight 61.446 grams  
Total Digested Weight 7.631 grams  
Total Carbonate Weight 53.815 grams  
Total Silica % 12.42 %  
Total Carbonate % 87.58 %  
Carbonate/Silica Ratio 7.052

**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-13-BB

Total Sample Mass: 61.446 grams

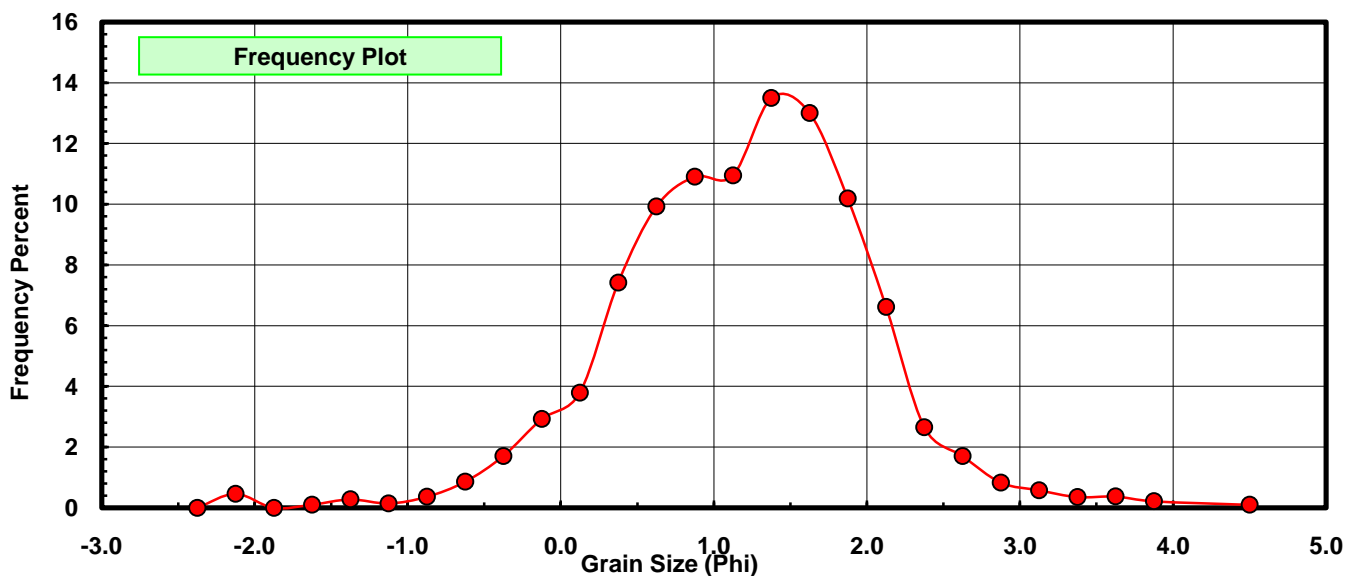
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.285	0.464	0.464
-1.75	-1.875	0.000	0.000	0.464
-1.50	-1.625	0.065	0.106	0.570
-1.25	-1.375	0.172	0.280	0.850
-1.00	-1.125	0.090	0.146	0.996
-0.75	-0.875	0.225	0.366	1.362
-0.50	-0.625	0.529	0.861	2.223
-0.25	-0.375	1.051	1.710	3.934
0.00	-0.125	1.798	2.926	6.860
0.25	0.125	2.334	3.798	10.658
0.50	0.375	4.557	7.416	18.074
0.75	0.625	6.098	9.924	27.999
1.00	0.875	6.703	10.909	38.907
1.25	1.125	6.728	10.949	49.857
1.50	1.375	8.294	13.498	63.355
1.75	1.625	7.993	13.008	76.363
2.00	1.875	6.261	10.189	86.552
2.25	2.125	4.069	6.622	93.174
2.50	2.375	1.632	2.656	95.830
2.75	2.625	1.049	1.707	97.538
3.00	2.875	0.512	0.833	98.371
3.25	3.125	0.356	0.579	98.950
3.50	3.375	0.219	0.356	99.307
3.75	3.625	0.231	0.376	99.683
4.00	3.875	0.133	0.216	99.899
5.00	4.50	0.062	0.101	100.000

Statistical Results			
Mean:	1.1948	phi	(0.4369 mm)
Standard Dev:	0.8290	phi-units	(0.5629 mm)
Skewness:	-0.2605	dimensionless	
Kurtosis:	4.3763	dimensionless	
5th Moment:	-3.8025	dimensionless	
6th Moment:	40.4060	dimensionless	
RARD *	0.6939	dimensionless	
Median	1.1277	phi	(0.4577 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-13-BB

