

**Onshore Grab Sample**

**Sample:** MT-26-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 12/18/08  
**Splits?** N/A

**County:** Martin  
**Latitude:** 26° 58' 17.3"  
**Longitude:** 80° 04' 50.7"  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 53.069 grams  
Total Fines in Sample 0.109 grams  
Total Percent Fines 0.20 %

**Dry Sieving Summary**

Total Sample Weight 52.918 grams  
Total Digested Weight 4.190 grams  
Total Carbonate Weight 48.728 grams  
Total Silica % 7.92 %  
Total Carbonate % 92.08 %  
Carbonate/Silica Ratio 11.630

**General Comments:**

Not Enough  
Sample to do  
Post-Digestion  
Analysis

**Description**

Worked By: M. Ladle

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: MT-26-BB

Total Sample Mass: 52.918 grams

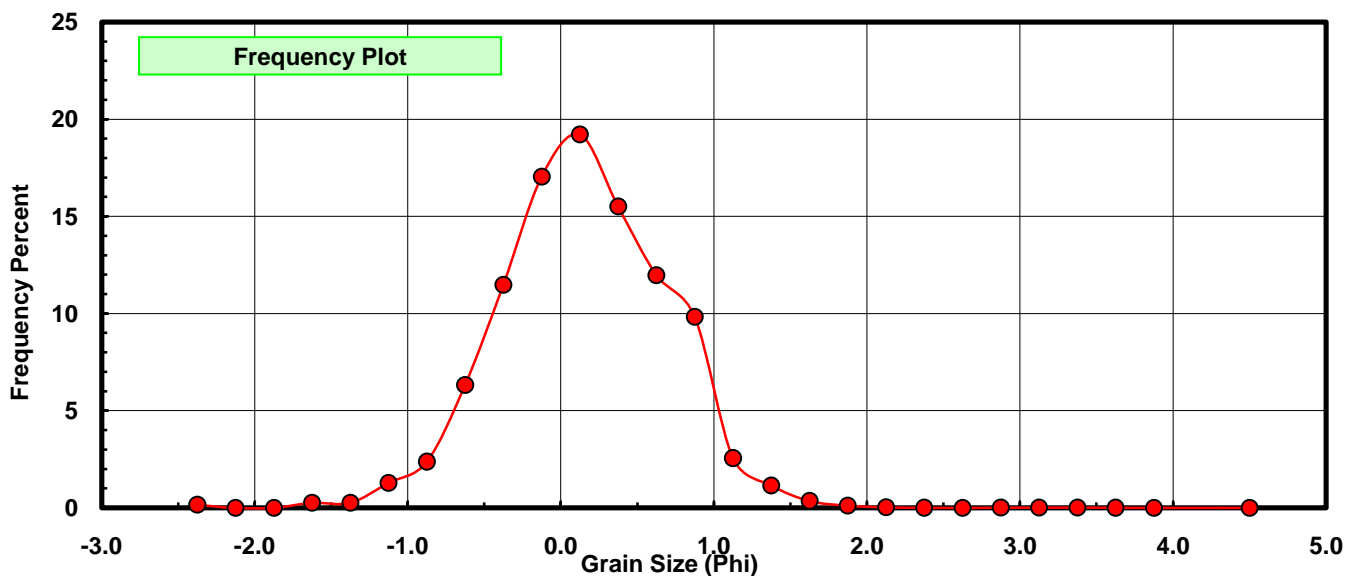
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.083	0.157	0.157
-2.00	-2.125	0.000	0.000	0.157
-1.75	-1.875	0.000	0.000	0.157
-1.50	-1.625	0.139	0.263	0.420
-1.25	-1.375	0.139	0.263	0.682
-1.00	-1.125	0.680	1.285	1.967
-0.75	-0.875	1.259	2.379	4.346
-0.50	-0.625	3.347	6.325	10.671
-0.25	-0.375	6.075	11.480	22.151
0.00	-0.125	9.017	17.040	39.191
0.25	0.125	10.168	19.215	58.405
0.50	0.375	8.206	15.507	73.912
0.75	0.625	6.337	11.975	85.888
1.00	0.875	5.205	9.836	95.724
1.25	1.125	1.355	2.561	98.284
1.50	1.375	0.612	1.157	99.441
1.75	1.625	0.188	0.355	99.796
2.00	1.875	0.062	0.117	99.913
2.25	2.125	0.014	0.026	99.940
2.50	2.375	0.004	0.008	99.947
2.75	2.625	0.001	0.002	99.949
3.00	2.875	0.005	0.009	99.958
3.25	3.125	0.008	0.015	99.974
3.50	3.375	0.008	0.015	99.989
3.75	3.625	0.004	0.008	99.996
4.00	3.875	0.001	0.002	99.998
5.00	4.50	0.001	0.002	100.000

Statistical Results			
Mean:	0.1475	phi	(0.9028 mm)
Standard Dev:	0.5521	phi-units	(0.682 mm)
Skewness:	-0.0880	dimensionless	
Kurtosis:	4.0380	dimensionless	
5th Moment:	0.0021	dimensionless	
6th Moment:	51.0815	dimensionless	
RARD *	3.7436	dimensionless	
Median	0.0156	phi	(0.9892 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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