

Onshore Grab Sample

Sample: SA-26-BB
Sample Taken By: D. Phelps
Sample Collected On: 12/16/09
Splits? N/A

County: Sarasota
Latitude: 27° 06' 39.2"
Longitude: 82° 27' 56.1"
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 49.718 grams
Total Fines in Sample 0.367 grams
Total Percent Fines 0.73 %

Dry Sieving Summary

Total Sample Weight 49.434 grams
Total Digested Weight 5.701 grams
Total Carbonate Weight 43.733 grams
Total Silica % 11.53 %
Total Carbonate % 88.47 %
Carbonate/Silica Ratio 7.671

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: 49.434 grams

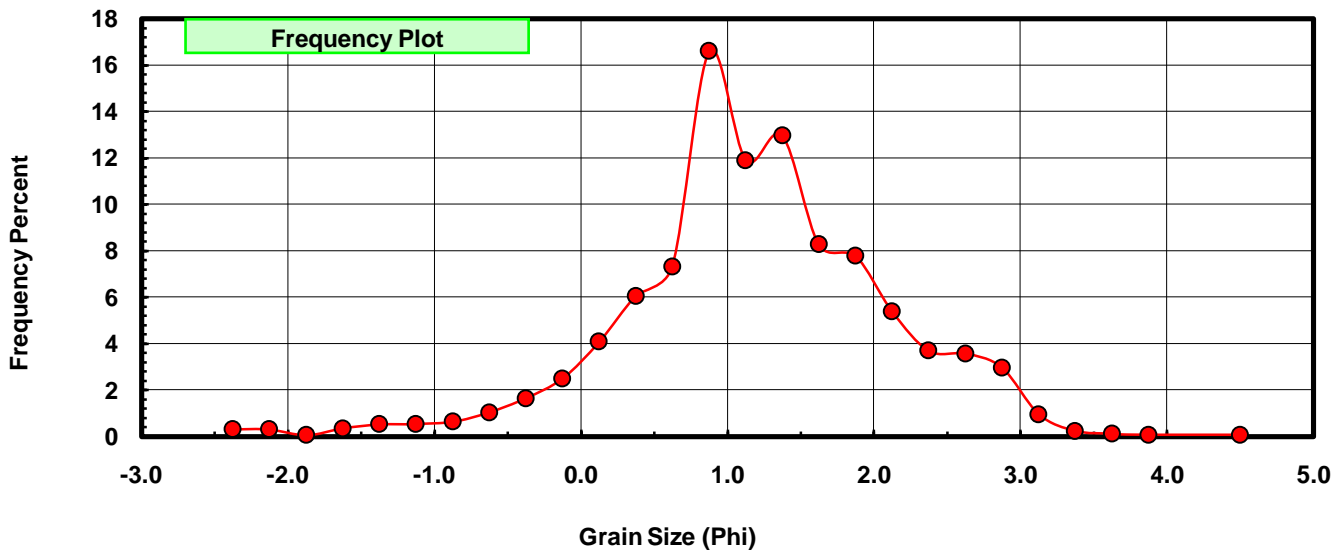
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.156	0.316	0.316
-2.00	-2.125	0.151	0.305	0.621
-1.75	-1.875	0.031	0.063	0.684
-1.50	-1.625	0.174	0.352	1.036
-1.25	-1.375	0.259	0.524	1.560
-1.00	-1.125	0.267	0.540	2.100
-0.75	-0.875	0.318	0.643	2.743
-0.50	-0.625	0.516	1.044	3.787
-0.25	-0.375	0.812	1.643	5.429
0.00	-0.125	1.238	2.504	7.934
0.25	0.125	2.022	4.090	12.024
0.50	0.375	2.992	6.053	18.077
0.75	0.625	3.617	7.317	25.393
1.00	0.875	8.202	16.592	41.985
1.25	1.125	5.883	11.901	53.886
1.50	1.375	6.406	12.959	66.845
1.75	1.625	4.091	8.276	75.120
2.00	1.875	3.849	7.786	82.907
2.25	2.125	2.662	5.385	88.291
2.50	2.375	1.829	3.700	91.991
2.75	2.625	1.768	3.576	95.568
3.00	2.875	1.467	2.968	98.535
3.25	3.125	0.471	0.953	99.488
3.50	3.375	0.118	0.239	99.727
3.75	3.625	0.060	0.121	99.848
4.00	3.875	0.038	0.077	99.925
5.00	4.50	0.037	0.075	100.000

Statistical Results			
Mean:	1.1857	phi	(0.4396 mm)
Standard Dev:	0.9175	phi-units	(0.5294 mm)
Skewness:	-0.3910	dimensionless	
Kurtosis:	4.1913	dimensionless	
5th Moment:	-6.0423	dimensionless	
6th Moment:	33.8415	dimensionless	
RARD *	0.7737	dimensionless	
Median	1.0434	phi	(0.4852 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)



SA-26-BB

