

Onshore Grab Sample

Sample: HR-01
Sample Taken By: D. Phelps
Sample Collected On: 3/1/11
Splits? N/A

County: Hernando
Latitude: 28° 34' 8.0" N
Longitude: 82° 39' 23.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	50.903 grams
Total Fines in Sample	0.097 grams
Total Percent Fines	0.19 %

Dry Sieving Summary

Total Sample Weight	51.015 grams
Total Digested Weight	50.212 grams
Total Carbonate Weight	0.803 grams
Total Silica %	98.43 %
Total Carbonate %	1.57 %
Carbonate/Silica Ratio	0.016

General Comments:

Not Enough Carbonate Material 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: 51.015 grams

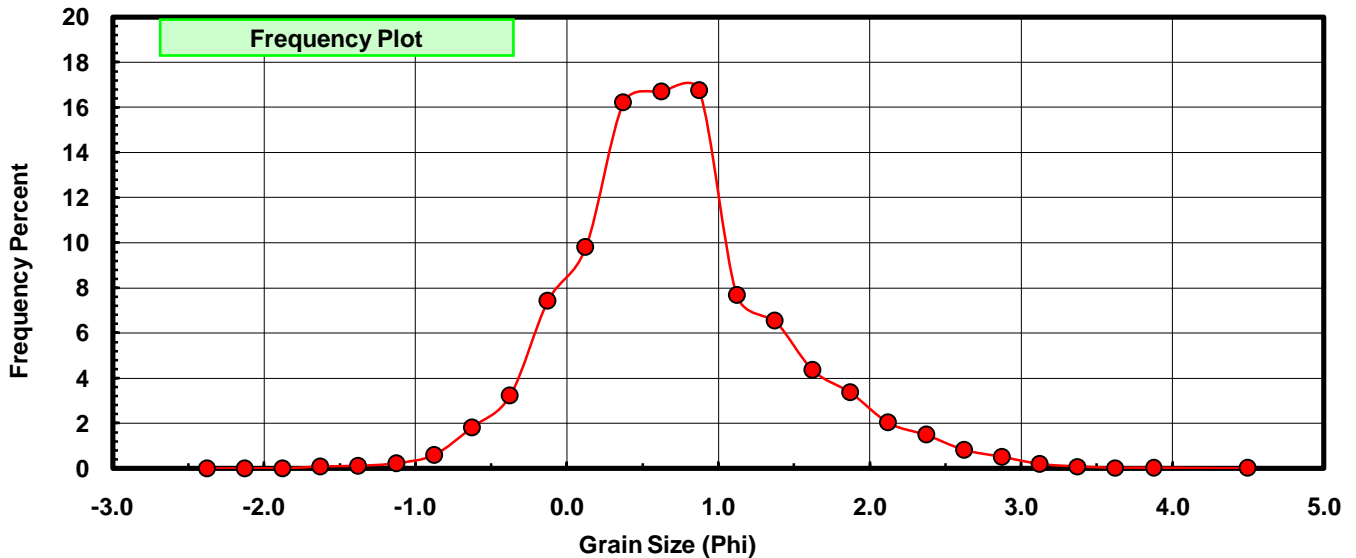
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.037	0.073	0.073
-1.25	-1.375	0.057	0.112	0.184
-1.00	-1.125	0.115	0.225	0.410
-0.75	-0.875	0.304	0.596	1.006
-0.50	-0.625	0.926	1.815	2.821
-0.25	-0.375	1.648	3.230	6.051
0.00	-0.125	3.787	7.423	13.474
0.25	0.125	4.997	9.795	23.270
0.50	0.375	8.267	16.205	39.475
0.75	0.625	8.516	16.693	56.168
1.00	0.875	8.547	16.754	72.922
1.25	1.125	3.913	7.670	80.592
1.50	1.375	3.330	6.527	87.119
1.75	1.625	2.219	4.350	91.469
2.00	1.875	1.709	3.350	94.819
2.25	2.125	1.034	2.027	96.846
2.50	2.375	0.760	1.490	98.336
2.75	2.625	0.419	0.821	99.157
3.00	2.875	0.259	0.508	99.665
3.25	3.125	0.095	0.186	99.851
3.50	3.375	0.044	0.086	99.937
3.75	3.625	0.015	0.029	99.967
4.00	3.875	0.012	0.024	99.990
5.00	4.50	0.005	0.010	100.000

Statistical Results			
Mean:	0.7160	phi	(0.6088 mm)
Standard Dev:	0.7098	phi-units	(0.6114 mm)
Skewness:	0.5428	dimensionless	
Kurtosis:	3.8180	dimensionless	
5th Moment:	5.4192	dimensionless	
6th Moment:	27.5025	dimensionless	
RARD *	0.9913	dimensionless	
Median	0.5326	phi	(0.6913 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)



HR-01

