

Onshore Grab Sample

Sample: PS-04-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/2/11
Splits? N/A

County: Pasco
Latitude: 28° 12' 41.6" N
Longitude: 82° 51' 6.3" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 52.222 grams
Total Fines in Sample 0.038 grams
Total Percent Fines 0.07 %

Dry Sieving Summary

Total Sample Weight 51.852 grams
Total Digested Weight 51.759 grams
Total Carbonate Weight 0.093 grams
Total Silica % 99.82 %
Total Carbonate % 0.18 %
Carbonate/Silica Ratio 0.002

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: 51.852 grams

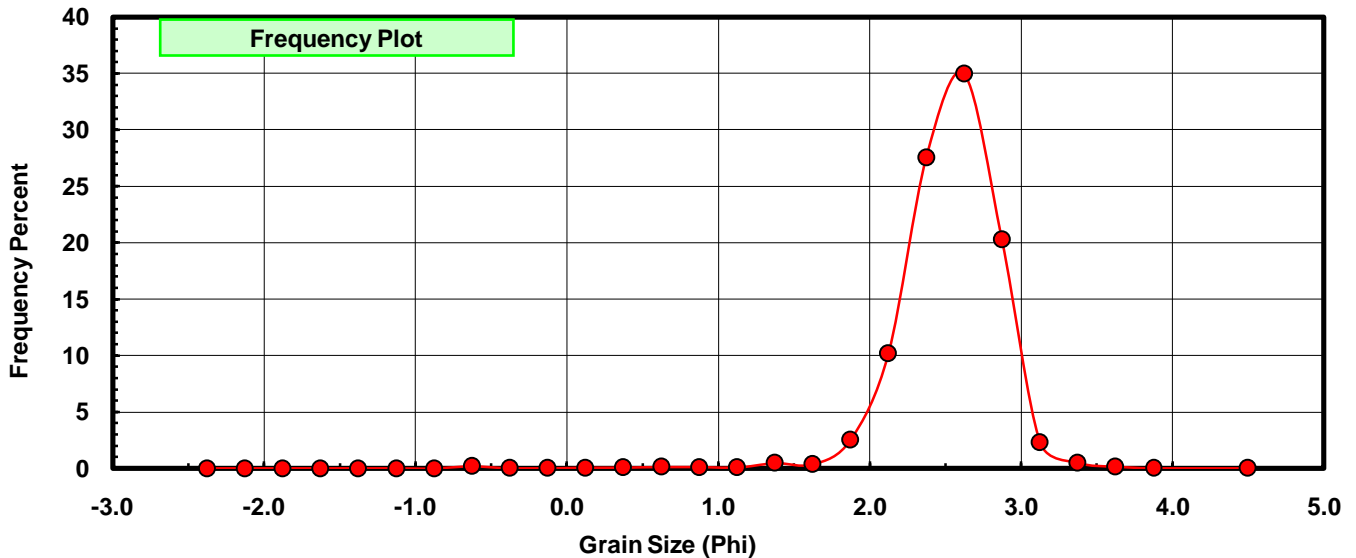
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.092	0.177	0.177
-0.25	-0.375	0.008	0.015	0.193
0.00	-0.125	0.010	0.019	0.212
0.25	0.125	0.027	0.052	0.264
0.50	0.375	0.044	0.085	0.349
0.75	0.625	0.066	0.127	0.476
1.00	0.875	0.049	0.094	0.571
1.25	1.125	0.042	0.081	0.652
1.50	1.375	0.237	0.457	1.109
1.75	1.625	0.190	0.366	1.475
2.00	1.875	1.323	2.551	4.027
2.25	2.125	5.282	10.187	14.214
2.50	2.375	14.286	27.551	41.765
2.75	2.625	18.134	34.973	76.738
3.00	2.875	10.522	20.292	97.030
3.25	3.125	1.192	2.299	99.329
3.50	3.375	0.252	0.486	99.815
3.75	3.625	0.076	0.147	99.961
4.00	3.875	0.014	0.027	99.988
5.00	4.50	0.006	0.012	100.000

Statistical Results			
Mean:	2.5292	phi	(0.1732 mm)
Standard Dev:	0.3514	phi-units	(0.7838 mm)
Skewness:	-2.3210	dimensionless	
Kurtosis:	19.4013	dimensionless	
5th Moment:	-141.7521	dimensionless	
6th Moment:	1196.8190	dimensionless	
RARD *	0.1389	dimensionless	
Median	2.4339	phi	(0.1851 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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