

Onshore Grab Sample

Sample: PS-05-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/2/11
Splits? N/A

County: Pasco
Latitude: 28° 11' 43.2" N
Longitude: 82° 51' 4.5" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	45.767 grams
Total Fines in Sample	0.069 grams
Total Percent Fines	0.15 %

Dry Sieving Summary

Total Sample Weight	45.380 grams
Total Digested Weight	44.965 grams
Total Carbonate Weight	0.415 grams
Total Silica %	99.09 %
Total Carbonate %	0.91 %
Carbonate/Silica Ratio	0.009

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: 45.380 grams

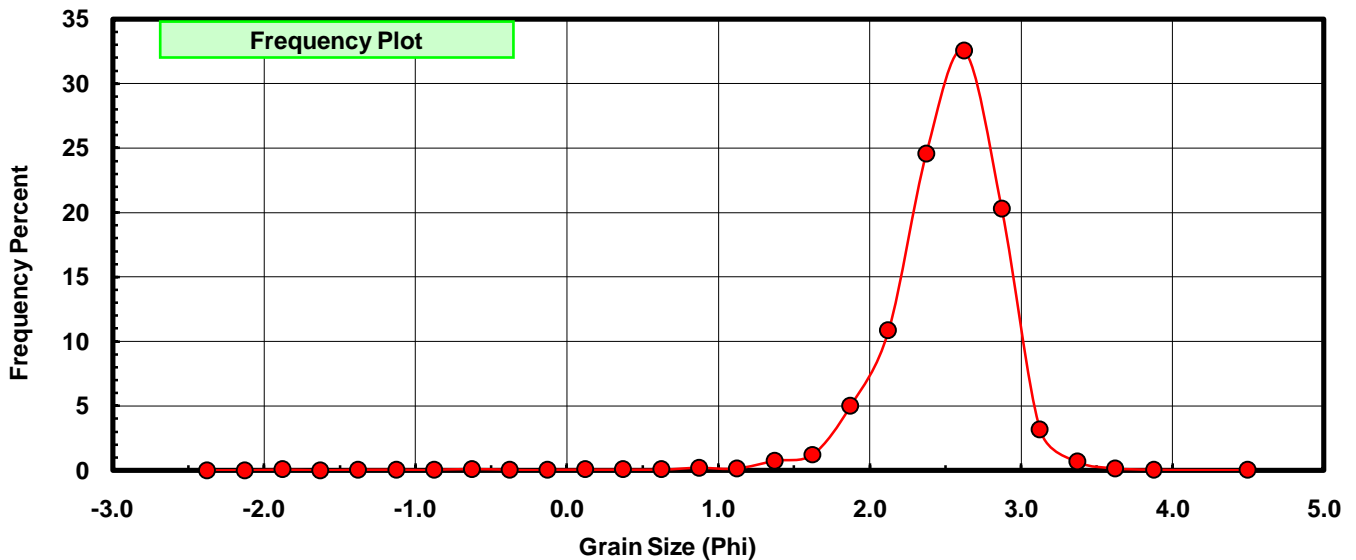
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.028	0.062	0.062
-1.50	-1.625	0.000	0.000	0.062
-1.25	-1.375	0.014	0.031	0.093
-1.00	-1.125	0.018	0.040	0.132
-0.75	-0.875	0.015	0.033	0.165
-0.50	-0.625	0.039	0.086	0.251
-0.25	-0.375	0.016	0.035	0.286
0.00	-0.125	0.013	0.029	0.315
0.25	0.125	0.029	0.064	0.379
0.50	0.375	0.032	0.071	0.450
0.75	0.625	0.034	0.075	0.524
1.00	0.875	0.084	0.185	0.710
1.25	1.125	0.058	0.128	0.837
1.50	1.375	0.329	0.725	1.562
1.75	1.625	0.564	1.243	2.805
2.00	1.875	2.274	5.011	7.816
2.25	2.125	4.923	10.848	18.665
2.50	2.375	11.143	24.555	43.219
2.75	2.625	14.766	32.539	75.758
3.00	2.875	9.194	20.260	96.018
3.25	3.125	1.423	3.136	99.154
3.50	3.375	0.304	0.670	99.824
3.75	3.625	0.063	0.139	99.963
4.00	3.875	0.013	0.029	99.991
5.00	4.50	0.004	0.009	100.000

Statistical Results			
Mean:	2.5024	phi	(0.1765 mm)
Standard Dev:	0.4125	phi-units	(0.7513 mm)
Skewness:	-2.6803	dimensionless	
Kurtosis:	22.4703	dimensionless	
5th Moment:	-184.4958	dimensionless	
6th Moment:	1698.2201	dimensionless	
RARD *	0.1648	dimensionless	
Median	2.4271	phi	(0.1859 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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