

Onshore Grab Sample

Sample: PS-06-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/2/11
Splits? N/A

County: Pasco
Latitude: 28° 10' 44.7" N
Longitude: 82° 51' 2.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	46.081 grams
Total Fines in Sample	0.046 grams
Total Percent Fines	0.10 %

Dry Sieving Summary

Total Sample Weight	45.872 grams
Total Digested Weight	45.713 grams
Total Carbonate Weight	0.159 grams
Total Silica %	99.65 %
Total Carbonate %	0.35 %
Carbonate/Silica Ratio	0.003

General Comments:

Not Enough Carbonate Material to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: PS-06-BB

Total Sample Mass: 45.872 grams

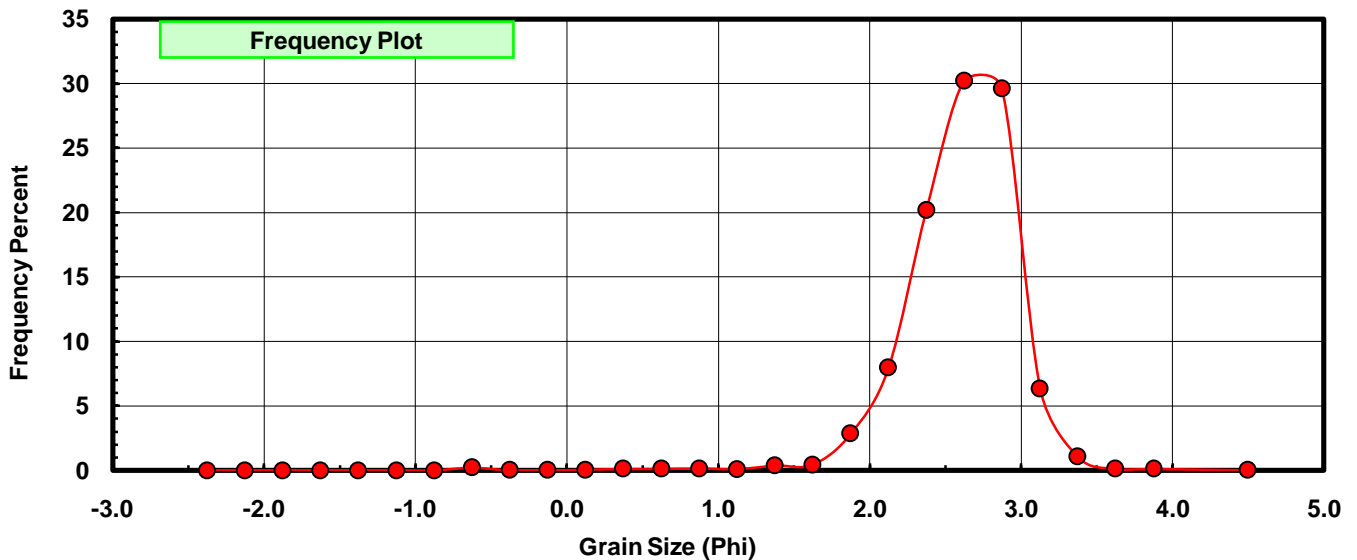
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.101	0.220	0.220
-0.25	-0.375	0.007	0.015	0.235
0.00	-0.125	0.009	0.020	0.255
0.25	0.125	0.018	0.039	0.294
0.50	0.375	0.051	0.111	0.405
0.75	0.625	0.055	0.120	0.525
1.00	0.875	0.059	0.129	0.654
1.25	1.125	0.038	0.083	0.737
1.50	1.375	0.169	0.368	1.105
1.75	1.625	0.201	0.438	1.543
2.00	1.875	1.303	2.841	4.384
2.25	2.125	3.652	7.961	12.345
2.50	2.375	9.251	20.167	32.512
2.75	2.625	13.863	30.221	62.733
3.00	2.875	13.594	29.635	92.368
3.25	3.125	2.914	6.352	98.720
3.50	3.375	0.482	1.051	99.771
3.75	3.625	0.053	0.116	99.887
4.00	3.875	0.048	0.105	99.991
5.00	4.50	0.004	0.009	100.000

Statistical Results			
Mean:	2.6033	phi	(0.1646 mm)
Standard Dev:	0.3868	phi-units	(0.7648 mm)
Skewness:	-2.2648	dimensionless	
Kurtosis:	17.2768	dimensionless	
5th Moment:	-118.8597	dimensionless	
6th Moment:	933.0220	dimensionless	
RARD *	0.1486	dimensionless	
Median	2.5197	phi	(0.1744 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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