

**Onshore Grab Sample**

**Sample:** PS-02-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/2/11  
**Splits?** N/A

**County:** Pasco  
**Latitude:** 28° 13' 40.6" N  
**Longitude:** 82° 50' 31.8" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	38.862 grams
Total Fines in Sample	0.019 grams
Total Percent Fines	0.05 %

**Dry Sieving Summary**

Total Sample Weight	38.570 grams
Total Digested Weight	38.462 grams
Total Carbonate Weight	0.108 grams
Total Silica %	99.72 %
Total Carbonate %	0.28 %
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-02-BB

Total Sample Mass: 38.570 grams

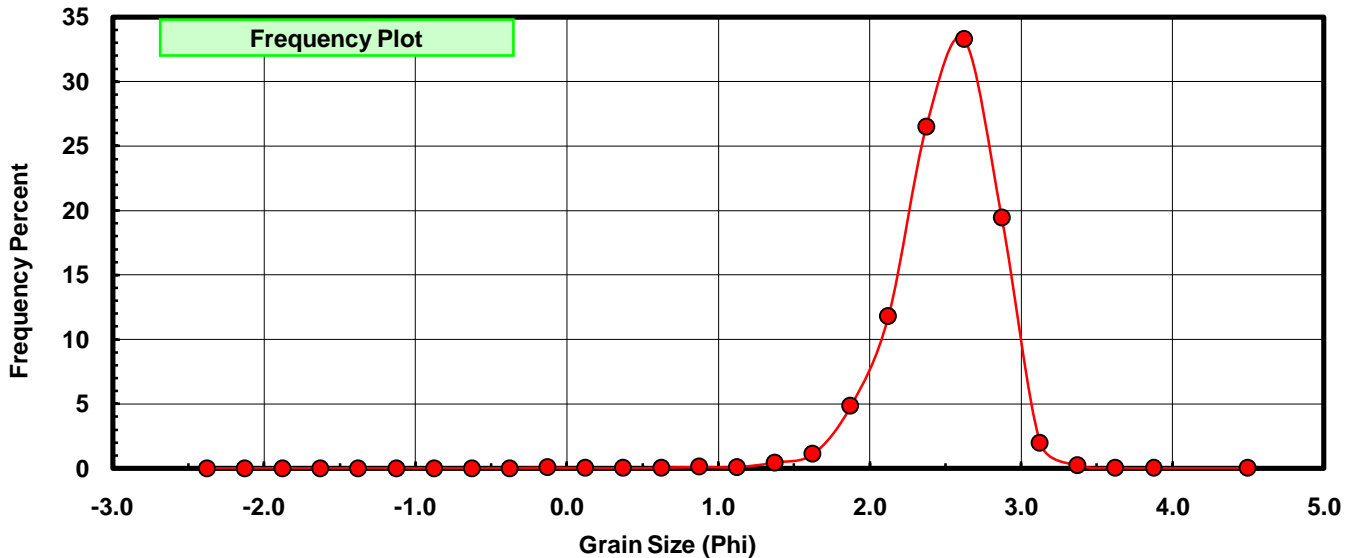
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.026	0.067	0.067
0.25	0.125	0.009	0.023	0.091
0.50	0.375	0.010	0.026	0.117
0.75	0.625	0.016	0.041	0.158
1.00	0.875	0.041	0.106	0.264
1.25	1.125	0.038	0.099	0.363
1.50	1.375	0.167	0.433	0.796
1.75	1.625	0.427	1.107	1.903
2.00	1.875	1.861	4.825	6.728
2.25	2.125	4.554	11.807	18.535
2.50	2.375	10.221	26.500	45.035
2.75	2.625	12.834	33.275	78.310
3.00	2.875	7.493	19.427	97.737
3.25	3.125	0.762	1.976	99.712
3.50	3.375	0.093	0.241	99.953
3.75	3.625	0.009	0.023	99.977
4.00	3.875	0.005	0.013	99.990
5.00	4.50	0.004	0.010	100.000

Statistical Results			
Mean:	2.5007	phi	(0.1767 mm)
Standard Dev:	0.3358	phi-units	(0.7923 mm)
Skewness:	-1.1161	dimensionless	
Kurtosis:	7.6635	dimensionless	
5th Moment:	-35.9969	dimensionless	
6th Moment:	256.9483	dimensionless	
RARD *	0.1343	dimensionless	
Median	2.4123	phi	(0.1879 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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