

**Onshore Grab Sample**

**Sample:** PS-01-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/2/11  
**Splits?** N/A

**County:** Pasco  
**Latitude:** 28° 13' 59.6" N  
**Longitude:** 82° 50' 27.2" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	41.263 grams
Total Fines in Sample	0.033 grams
Total Percent Fines	0.08 %

**Dry Sieving Summary**

Total Sample Weight	40.885 grams
Total Digested Weight	40.778 grams
Total Carbonate Weight	0.107 grams
Total Silica %	99.74 %
Total Carbonate %	0.26 %
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-01-BB

Total Sample Mass: 40.885 grams

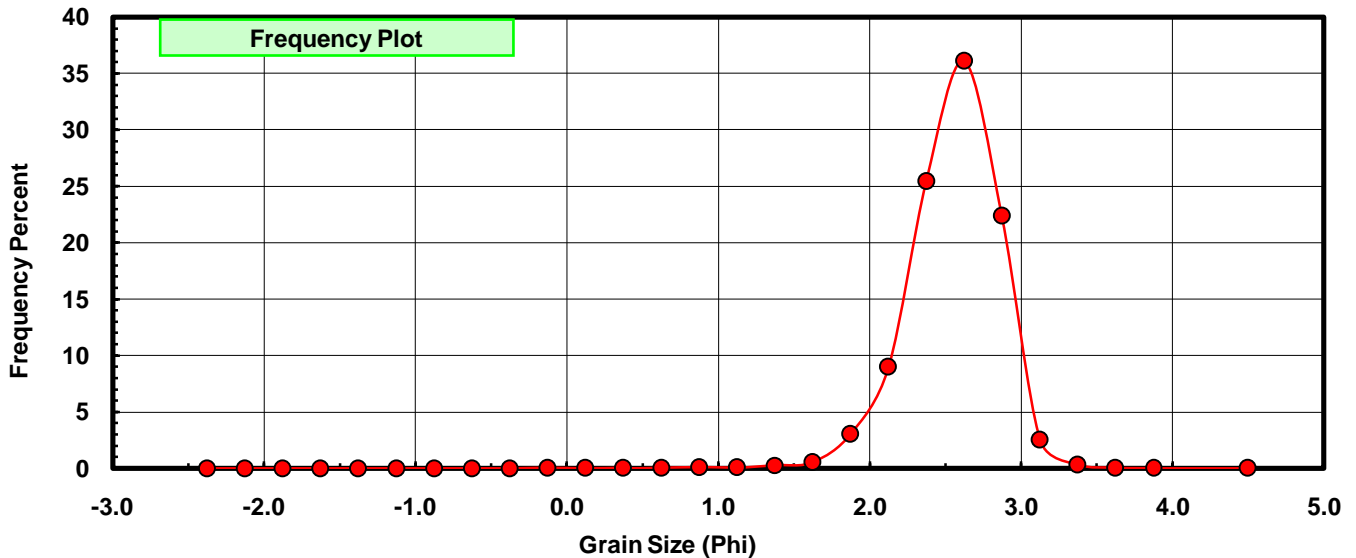
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.023	0.056	0.056
0.25	0.125	0.007	0.017	0.073
0.50	0.375	0.013	0.032	0.105
0.75	0.625	0.017	0.042	0.147
1.00	0.875	0.040	0.098	0.245
1.25	1.125	0.026	0.064	0.308
1.50	1.375	0.117	0.286	0.594
1.75	1.625	0.223	0.545	1.140
2.00	1.875	1.243	3.040	4.180
2.25	2.125	3.666	8.967	13.147
2.50	2.375	10.412	25.467	38.613
2.75	2.625	14.755	36.089	74.702
3.00	2.875	9.148	22.375	97.077
3.25	3.125	1.032	2.524	99.601
3.50	3.375	0.136	0.333	99.934
3.75	3.625	0.018	0.044	99.978
4.00	3.875	0.005	0.012	99.990
5.00	4.50	0.004	0.010	100.000

Statistical Results			
Mean:	2.5503	phi	(0.1707 mm)
Standard Dev:	0.3136	phi-units	(0.8046 mm)
Skewness:	-1.2122	dimensionless	
Kurtosis:	9.1166	dimensionless	
5th Moment:	-48.2304	dimensionless	
6th Moment:	373.0692	dimensionless	
RARD *	0.1230	dimensionless	
Median	2.4539	phi	(0.1825 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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