

**Onshore Grab Sample**

**Sample:** PS-50-BB  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/2/11  
**Splits?** N/A

**County:** Pasco  
**Latitude:** 28° 9' 30.2" N  
**Longitude:** 82° 50' 36" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 41.258 grams  
Total Fines in Sample 0.145 grams  
Total Percent Fines 0.35 %

**Dry Sieving Summary**

Total Sample Weight 41.078 grams  
Total Digested Weight 40.845 grams  
Total Carbonate Weight 0.233 grams  
Total Silica % 99.43 %  
Total Carbonate % 0.57 %  
Carbonate/Silica Ratio 0.006

**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-50-BB

Total Sample Mass: 41.078 grams

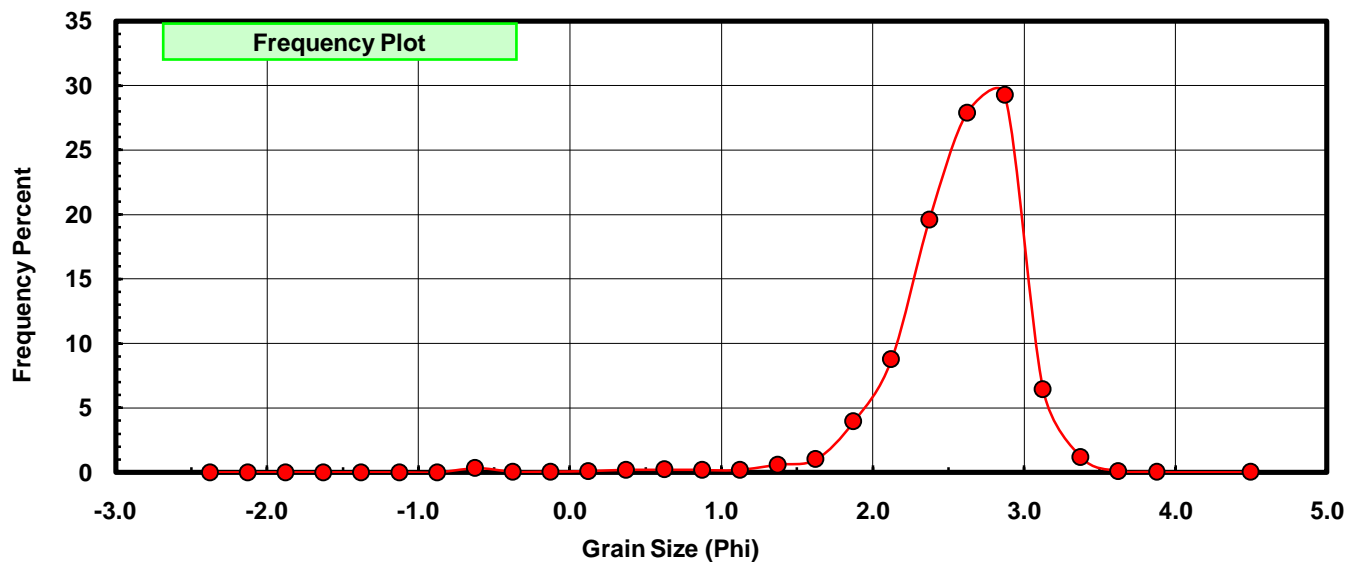
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.131	0.319	0.319
-0.25	-0.375	0.017	0.041	0.360
0.00	-0.125	0.020	0.049	0.409
0.25	0.125	0.036	0.088	0.497
0.50	0.375	0.078	0.190	0.686
0.75	0.625	0.085	0.207	0.893
1.00	0.875	0.073	0.178	1.071
1.25	1.125	0.080	0.195	1.266
1.50	1.375	0.244	0.594	1.860
1.75	1.625	0.411	1.001	2.860
2.00	1.875	1.619	3.941	6.802
2.25	2.125	3.597	8.757	15.558
2.50	2.375	8.043	19.580	35.138
2.75	2.625	11.452	27.879	63.017
3.00	2.875	12.021	29.264	92.281
3.25	3.125	2.639	6.424	98.705
3.50	3.375	0.482	1.173	99.878
3.75	3.625	0.039	0.095	99.973
4.00	3.875	0.008	0.019	99.993
5.00	4.50	0.003	0.007	100.000

Statistical Results			
Mean:	2.5711	phi	(0.1683 mm)
Standard Dev:	0.4406	phi-units	(0.7368 mm)
Skewness:	-2.4063	dimensionless	
Kurtosis:	15.4309	dimensionless	
5th Moment:	-93.2909	dimensionless	
6th Moment:	626.1981	dimensionless	
RARD *	0.1714	dimensionless	
Median	2.5083	phi	(0.1758 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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