

**Onshore Grab Sample**

**Sample:** CI-01  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 3/1/11  
**Splits?** N/A

**County:** Citrus  
**Latitude:** 28° 54' 29.7" N  
**Longitude:** 82° 41' 28.5" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 52.565 grams  
Total Fines in Sample 0.123 grams  
Total Percent Fines 0.23 %

**Dry Sieving Summary**

Total Sample Weight 52.271 grams  
Total Digested Weight 52.087 grams  
Total Carbonate Weight 0.184 grams  
Total Silica % 99.65 %  
Total Carbonate % 0.35 %  
Carbonate/Silica Ratio 0.004

**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: CI-01

Total Sample Mass: 52.271 grams

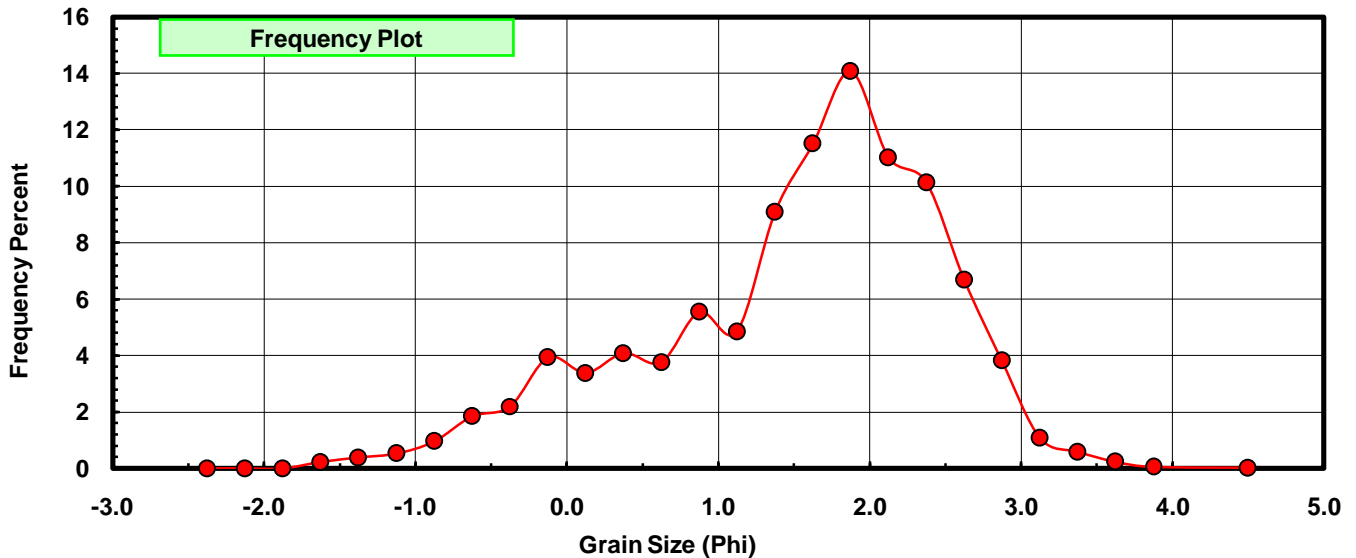
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.117	0.224	0.224
-1.25	-1.375	0.199	0.381	0.605
-1.00	-1.125	0.277	0.530	1.134
-0.75	-0.875	0.500	0.957	2.091
-0.50	-0.625	0.965	1.846	3.937
-0.25	-0.375	1.151	2.202	6.139
0.00	-0.125	2.055	3.931	10.071
0.25	0.125	1.765	3.377	13.447
0.50	0.375	2.134	4.083	17.530
0.75	0.625	1.965	3.759	21.289
1.00	0.875	2.896	5.540	26.829
1.25	1.125	2.536	4.852	31.681
1.50	1.375	4.756	9.099	40.780
1.75	1.625	6.015	11.507	52.287
2.00	1.875	7.360	14.080	66.368
2.25	2.125	5.761	11.021	77.389
2.50	2.375	5.297	10.134	87.523
2.75	2.625	3.499	6.694	94.217
3.00	2.875	1.995	3.817	98.033
3.25	3.125	0.563	1.077	99.110
3.50	3.375	0.304	0.582	99.692
3.75	3.625	0.123	0.235	99.927
4.00	3.875	0.029	0.055	99.983
5.00	4.50	0.009	0.017	100.000

Statistical Results			
Mean:	1.4993	phi	(0.3537 mm)
Standard Dev:	0.9820	phi-units	(0.5063 mm)
Skewness:	-0.6924	dimensionless	
Kurtosis:	2.9792	dimensionless	
5th Moment:	-4.4603	dimensionless	
6th Moment:	14.4613	dimensionless	
RARD *	0.6550	dimensionless	
Median	1.5753	phi	(0.3356 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)



# CI-01

