

**Onshore Grab Sample**

**Sample:** LV-05  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 2/21/11  
**Splits?** N/A

**County:** Levy  
**Latitude:** 29° 6' 4.1" N  
**Longitude:** 83° 3' 39.6" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 54.599 grams  
Total Fines in Sample 0.004 grams  
Total Percent Fines 0.01 %

**Dry Sieving Summary**

Total Sample Weight 54.547 grams  
Total Digested Weight 54.465 grams  
Total Carbonate Weight 0.082 grams  
Total Silica % 99.85 %  
Total Carbonate % 0.15 %  
Carbonate/Silica Ratio 0.002

**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: LV-05

Total Sample Mass: 54.547 grams

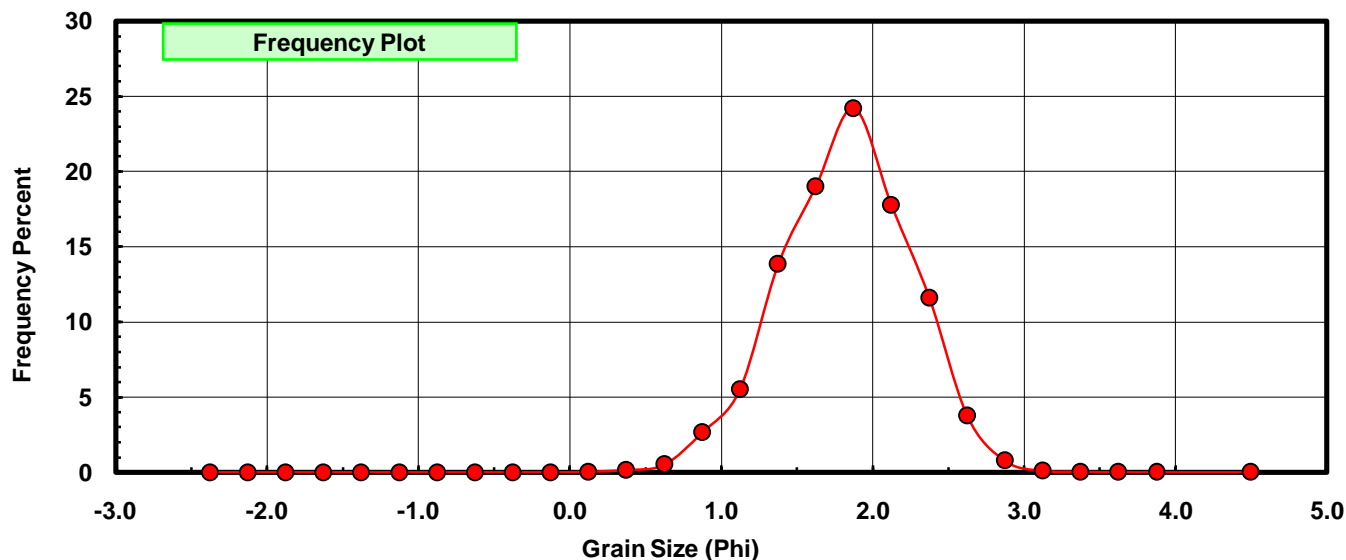
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.019	0.035	0.035
0.50	0.375	0.083	0.152	0.187
0.75	0.625	0.280	0.513	0.700
1.00	0.875	1.451	2.660	3.360
1.25	1.125	3.001	5.502	8.862
1.50	1.375	7.551	13.843	22.705
1.75	1.625	10.364	19.000	41.705
2.00	1.875	13.201	24.201	65.906
2.25	2.125	9.686	17.757	83.664
2.50	2.375	6.336	11.616	95.279
2.75	2.625	2.061	3.778	99.058
3.00	2.875	0.425	0.779	99.837
3.25	3.125	0.057	0.104	99.941
3.50	3.375	0.021	0.038	99.980
3.75	3.625	0.003	0.005	99.985
4.00	3.875	0.004	0.007	99.993
5.00	4.50	0.004	0.007	100.000

Statistical Results			
Mean:	1.8220	phi	(0.2828 mm)
Standard Dev:	0.4357	phi-units	(0.7393 mm)
Skewness:	-0.1326	dimensionless	
Kurtosis:	3.0759	dimensionless	
5th Moment:	-0.5600	dimensionless	
6th Moment:	19.8175	dimensionless	
RARD *	0.2391	dimensionless	
Median	1.7107	phi	(0.3055 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)



# LV-05

