

**Onshore Grab Sample**

**Sample:** LV-04  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 2/21/11  
**Splits?** N/A

**County:** Levy  
**Latitude:** 29° 5' 45.5" N  
**Longitude:** 83° 3' 51.9" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight	41.201 grams
Total Fines in Sample	0.014 grams
Total Percent Fines	0.03 %

**Dry Sieving Summary**

Total Sample Weight	41.011 grams
Total Digested Weight	40.952 grams
Total Carbonate Weight	0.059 grams
Total Silica %	99.86 %
Total Carbonate %	0.14 %
Carbonate/Silica Ratio	0.001

**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-04

Total Sample Mass: 41.011 grams

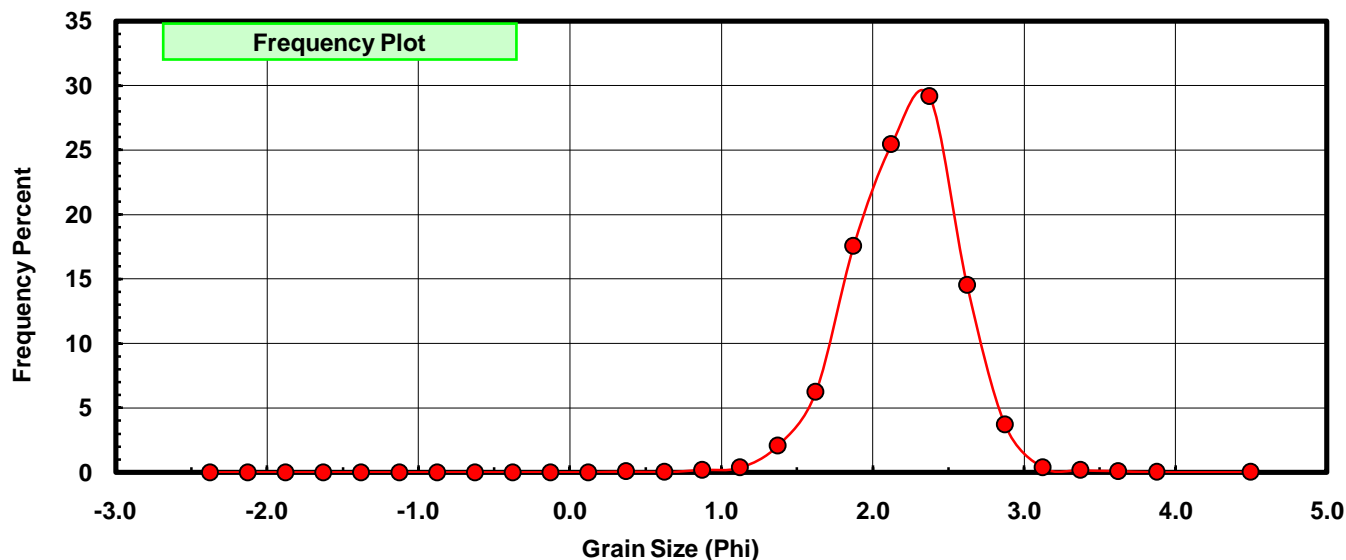
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.000	0.000	0.000
0.50	0.375	0.026	0.063	0.063
0.75	0.625	0.007	0.017	0.080
1.00	0.875	0.076	0.185	0.266
1.25	1.125	0.150	0.366	0.632
1.50	1.375	0.854	2.082	2.714
1.75	1.625	2.557	6.235	8.949
2.00	1.875	7.204	17.566	26.515
2.25	2.125	10.427	25.425	51.940
2.50	2.375	11.967	29.180	81.120
2.75	2.625	5.957	14.525	95.645
3.00	2.875	1.523	3.714	99.359
3.25	3.125	0.144	0.351	99.710
3.50	3.375	0.070	0.171	99.881
3.75	3.625	0.038	0.093	99.973
4.00	3.875	0.009	0.022	99.995
5.00	4.50	0.002	0.005	100.000

Statistical Results			
Mean:	2.2079	phi	(0.2164 mm)
Standard Dev:	0.3578	phi-units	(0.7803 mm)
Skewness:	-0.2692	dimensionless	
Kurtosis:	3.9318	dimensionless	
5th Moment:	-3.0328	dimensionless	
6th Moment:	40.2139	dimensionless	
RARD *	0.1621	dimensionless	
Median	2.1059	phi	(0.2323 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-04

