

Onshore Grab Sample

Sample: LV-03
Sample Taken By: D. Phelps
Sample Collected On: 2/21/11
Splits? N/A

County: Levy
Latitude: 29° 5' 48.9" N
Longitude: 83° 4' 14.4" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	55.457 grams
Total Fines in Sample	0.049 grams
Total Percent Fines	0.09 %

Dry Sieving Summary

Total Sample Weight	55.199 grams
Total Digested Weight	55.100 grams
Total Carbonate Weight	0.099 grams
Total Silica %	99.82 %
Total Carbonate %	0.18 %
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

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Total Sample Mass: 55.199 grams

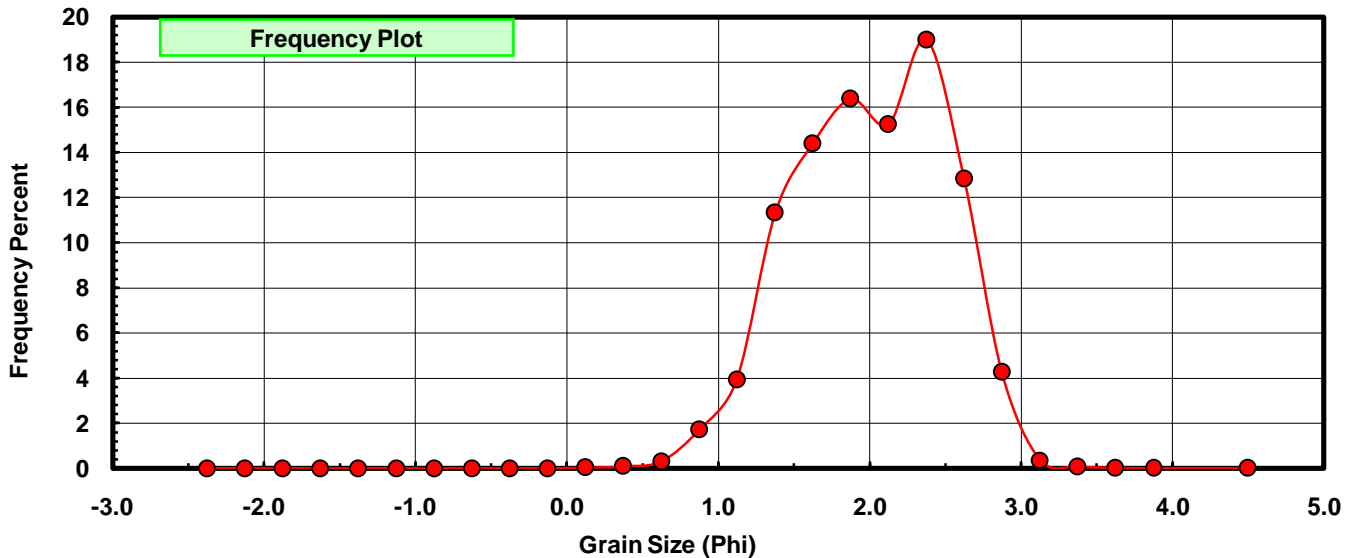
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-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	0.022	0.040	0.040
0.50	0.375	0.051	0.092	0.132
0.75	0.625	0.166	0.301	0.433
1.00	0.875	0.945	1.712	2.145
1.25	1.125	2.173	3.937	6.082
1.50	1.375	6.253	11.328	17.410
1.75	1.625	7.950	14.402	31.812
2.00	1.875	9.038	16.373	48.186
2.25	2.125	8.411	15.238	63.423
2.50	2.375	10.487	18.999	82.422
2.75	2.625	7.088	12.841	95.263
3.00	2.875	2.350	4.257	99.520
3.25	3.125	0.204	0.370	99.889
3.50	3.375	0.044	0.080	99.969
3.75	3.625	0.012	0.022	99.991
4.00	3.875	0.002	0.004	99.995
5.00	4.50	0.003	0.005	100.000

Statistical Results			
Mean:	2.0082	phi	(0.2486 mm)
Standard Dev:	0.5020	phi-units	(0.7061 mm)
Skewness:	-0.2199	dimensionless	
Kurtosis:	2.4830	dimensionless	
5th Moment:	-1.5685	dimensionless	
6th Moment:	11.1707	dimensionless	
RARD *	0.2500	dimensionless	
Median	1.9048	phi	(0.2671 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-03

