

Onshore Grab Sample

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

County: Levy
Latitude: 29° 7' 13.3" N
Longitude: 83° 1' 30.6" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	59.405 grams
Total Fines in Sample	0.525 grams
Total Percent Fines	0.88 %

Dry Sieving Summary

Total Sample Weight	58.827 grams
Total Digested Weight	58.281 grams
Total Carbonate Weight	0.546 grams
Total Silica %	99.07 %
Total Carbonate %	0.93 %
Carbonate/Silica Ratio	0.009

General Comments:

Not Enough Carbonate Material to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

Onshore Grab Sample

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Total Sample Mass: 58.827 grams

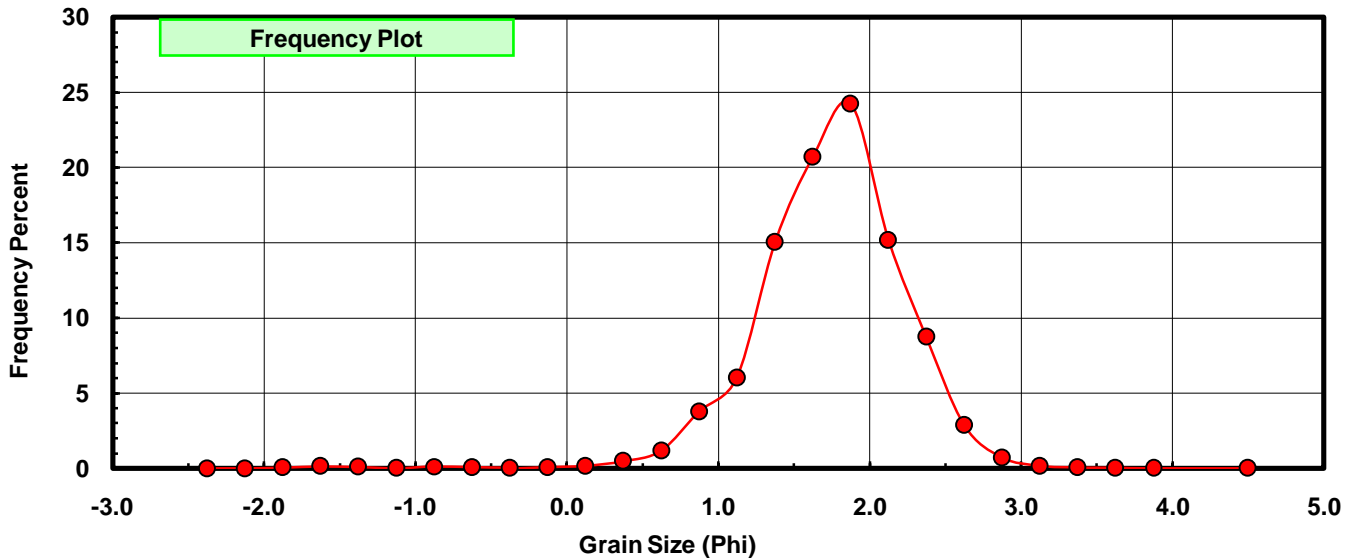
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.034	0.058	0.058
-1.50	-1.625	0.083	0.141	0.199
-1.25	-1.375	0.056	0.095	0.294
-1.00	-1.125	0.011	0.019	0.313
-0.75	-0.875	0.076	0.129	0.442
-0.50	-0.625	0.046	0.078	0.520
-0.25	-0.375	0.014	0.024	0.544
0.00	-0.125	0.043	0.073	0.617
0.25	0.125	0.094	0.160	0.777
0.50	0.375	0.288	0.490	1.266
0.75	0.625	0.693	1.178	2.444
1.00	0.875	2.224	3.781	6.225
1.25	1.125	3.548	6.031	12.256
1.50	1.375	8.855	15.053	27.309
1.75	1.625	12.179	20.703	48.012
2.00	1.875	14.257	24.235	72.247
2.25	2.125	8.926	15.173	87.421
2.50	2.375	5.136	8.731	96.151
2.75	2.625	1.691	2.875	99.026
3.00	2.875	0.419	0.712	99.738
3.25	3.125	0.089	0.151	99.890
3.50	3.375	0.037	0.063	99.952
3.75	3.625	0.016	0.027	99.980
4.00	3.875	0.007	0.012	99.992
5.00	4.50	0.005	0.008	100.000

Statistical Results			
Mean:	1.7358	phi	(0.3002 mm)
Standard Dev:	0.5078	phi-units	(0.7033 mm)
Skewness:	-1.2406	dimensionless	
Kurtosis:	9.5504	dimensionless	
5th Moment:	-45.6850	dimensionless	
6th Moment:	302.4306	dimensionless	
RARD *	0.2925	dimensionless	
Median	1.6455	phi	(0.3196 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-11

