

Onshore Grab Sample

Sample: LV-09
Sample Taken By: D. Phelps
Sample Collected On: 2/21/11
Splits? N/A

County: Levy
Latitude: 29° 8' 13.3" N
Longitude: 83° 1' 45.7" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	55.597 grams
Total Fines in Sample	0.256 grams
Total Percent Fines	0.46 %

Dry Sieving Summary

Total Sample Weight	55.407 grams
Total Digested Weight	53.777 grams
Total Carbonate Weight	1.630 grams
Total Silica %	97.06 %
Total Carbonate %	2.94 %
Carbonate/Silica Ratio	0.030

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: 55.407 grams

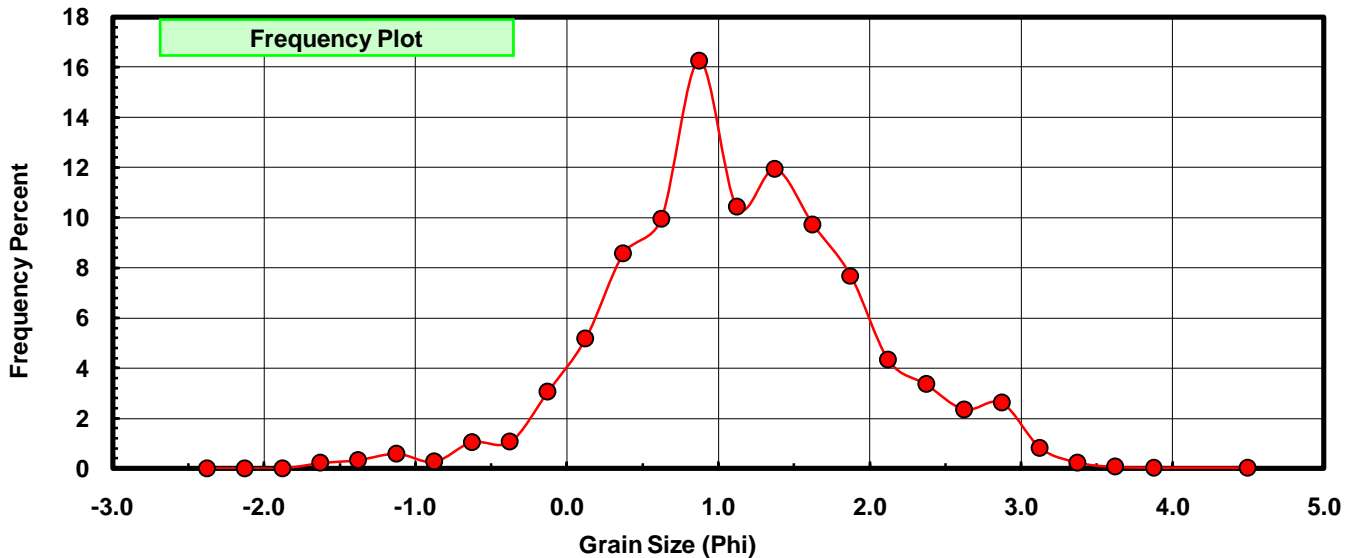
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.114	0.206	0.206
-1.25	-1.375	0.178	0.321	0.527
-1.00	-1.125	0.319	0.576	1.103
-0.75	-0.875	0.145	0.262	1.364
-0.50	-0.625	0.575	1.038	2.402
-0.25	-0.375	0.586	1.058	3.460
0.00	-0.125	1.692	3.054	6.514
0.25	0.125	2.870	5.180	11.693
0.50	0.375	4.750	8.573	20.266
0.75	0.625	5.513	9.950	30.216
1.00	0.875	9.005	16.252	46.469
1.25	1.125	5.776	10.425	56.894
1.50	1.375	6.615	11.939	68.832
1.75	1.625	5.387	9.723	78.555
2.00	1.875	4.258	7.685	86.240
2.25	2.125	2.395	4.323	90.563
2.50	2.375	1.855	3.348	93.911
2.75	2.625	1.298	2.343	96.253
3.00	2.875	1.450	2.617	98.870
3.25	3.125	0.450	0.812	99.682
3.50	3.375	0.124	0.224	99.906
3.75	3.625	0.030	0.054	99.960
4.00	3.875	0.012	0.022	99.982
5.00	4.50	0.010	0.018	100.000

Statistical Results			
Mean:	1.1404	phi	(0.4536 mm)
Standard Dev:	0.8246	phi-units	(0.5646 mm)
Skewness:	0.0372	dimensionless	
Kurtosis:	3.3169	dimensionless	
5th Moment:	-0.6924	dimensionless	
6th Moment:	18.5274	dimensionless	
RARD *	0.7231	dimensionless	
Median	0.9597	phi	(0.5142 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-09

