

Onshore Grab Sample

Sample: LV-01
Sample Taken By: D. Phelps
Sample Collected On: 2/21/11
Splits? N/A

County: Levy
Latitude: 29° 7' 26.9" N
Longitude: 83° 5' 22.1" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 52.021 grams
Total Fines in Sample 0.013 grams
Total Percent Fines 0.02 %

Dry Sieving Summary

Total Sample Weight 51.893 grams
Total Digested Weight 51.803 grams
Total Carbonate Weight 0.090 grams
Total Silica % 99.83 %
Total Carbonate % 0.17 %
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

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Total Sample Mass: 51.893 grams

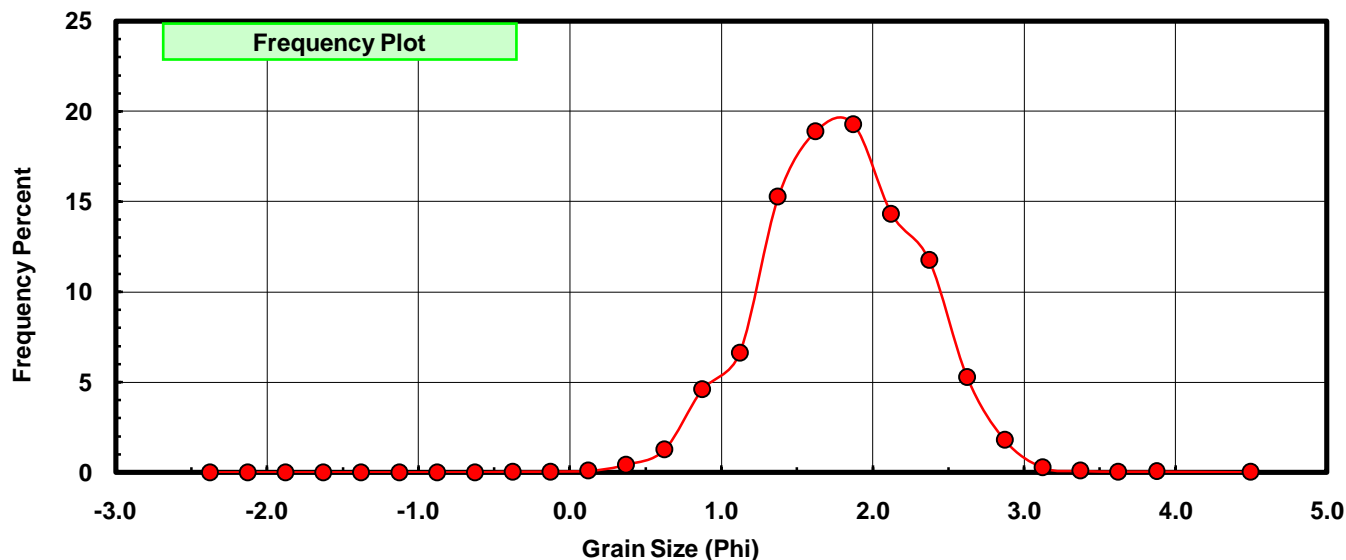
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.015	0.029	0.029
0.00	-0.125	0.018	0.035	0.064
0.25	0.125	0.045	0.087	0.150
0.50	0.375	0.217	0.418	0.568
0.75	0.625	0.650	1.253	1.821
1.00	0.875	2.381	4.588	6.409
1.25	1.125	3.441	6.631	13.040
1.50	1.375	7.917	15.256	28.297
1.75	1.625	9.799	18.883	47.180
2.00	1.875	9.998	19.267	66.446
2.25	2.125	7.431	14.320	80.766
2.50	2.375	6.097	11.749	92.515
2.75	2.625	2.738	5.276	97.792
3.00	2.875	0.928	1.788	99.580
3.25	3.125	0.135	0.260	99.840
3.50	3.375	0.039	0.075	99.915
3.75	3.625	0.015	0.029	99.944
4.00	3.875	0.026	0.050	99.994
5.00	4.50	0.003	0.006	100.000

Statistical Results			
Mean:	1.7891	phi	(0.2893 mm)
Standard Dev:	0.5101	phi-units	(0.7022 mm)
Skewness:	-0.0578	dimensionless	
Kurtosis:	3.0450	dimensionless	
5th Moment:	-0.4060	dimensionless	
6th Moment:	18.3698	dimensionless	
RARD *	0.2851	dimensionless	
Median	1.6616	phi	(0.3161 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-01

