

Onshore Grab Sample

Sample: LV-02
Sample Taken By: D. Phelps
Sample Collected On: 2/21/11
Splits? N/A

County: Levy
Latitude: 29° 6' 7" N
Longitude: 83° 4' 15.9" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 47.946 grams
Total Fines in Sample 0.029 grams
Total Percent Fines 0.06 %

Dry Sieving Summary

Total Sample Weight 47.742 grams
Total Digested Weight 47.620 grams
Total Carbonate Weight 0.122 grams
Total Silica % 99.74 %
Total Carbonate % 0.26 %
Carbonate/Silica Ratio 0.003

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: 47.742 grams

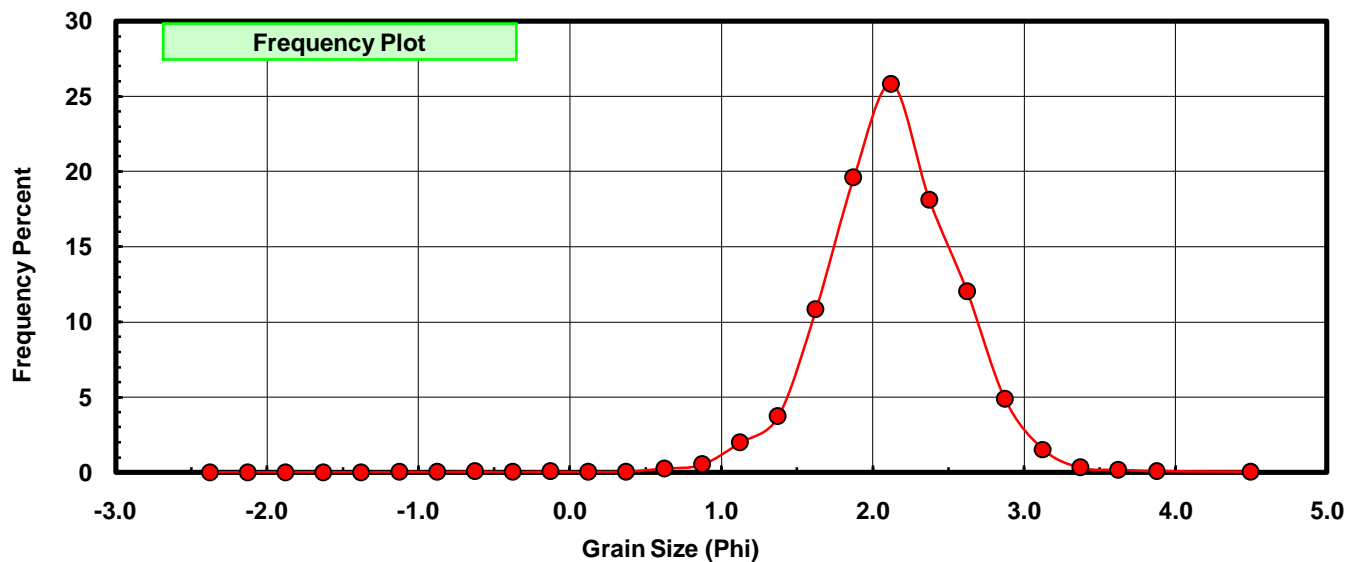
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.011	0.023	0.023
-0.75	-0.875	0.007	0.015	0.038
-0.50	-0.625	0.022	0.046	0.084
-0.25	-0.375	0.002	0.004	0.088
0.00	-0.125	0.024	0.050	0.138
0.25	0.125	0.001	0.002	0.140
0.50	0.375	0.012	0.025	0.165
0.75	0.625	0.120	0.251	0.417
1.00	0.875	0.246	0.515	0.932
1.25	1.125	0.943	1.975	2.907
1.50	1.375	1.776	3.720	6.627
1.75	1.625	5.165	10.819	17.446
2.00	1.875	9.346	19.576	37.022
2.25	2.125	12.324	25.814	62.836
2.50	2.375	8.652	18.122	80.958
2.75	2.625	5.744	12.031	92.989
3.00	2.875	2.335	4.891	97.880
3.25	3.125	0.732	1.533	99.414
3.50	3.375	0.149	0.312	99.726
3.75	3.625	0.077	0.161	99.887
4.00	3.875	0.034	0.071	99.958
5.00	4.50	0.020	0.042	100.000

Statistical Results			
Mean:	2.1260	phi	(0.2291 mm)
Standard Dev:	0.4541	phi-units	(0.73 mm)
Skewness:	-0.2804	dimensionless	
Kurtosis:	5.2963	dimensionless	
5th Moment:	-10.6657	dimensionless	
6th Moment:	103.8524	dimensionless	
RARD *	0.2136	dimensionless	
Median	2.0007	phi	(0.2499 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-02

