

Onshore Grab Sample

Sample: TY-01
Sample Taken By: D. Phelps
Sample Collected On: 2/22/11
Splits? N/A

County: Taylor
Latitude: 29° 50' 52.6" N
Longitude: 83° 37' 6.7" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 55.631 grams
Total Fines in Sample 0.404 grams
Total Percent Fines 0.72 %

Dry Sieving Summary

Total Sample Weight 55.064 grams
Total Digested Weight 54.037 grams
Total Carbonate Weight 1.027 grams
Total Silica % 98.13 %
Total Carbonate % 1.87 %
Carbonate/Silica Ratio 0.019

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: 55.064 grams

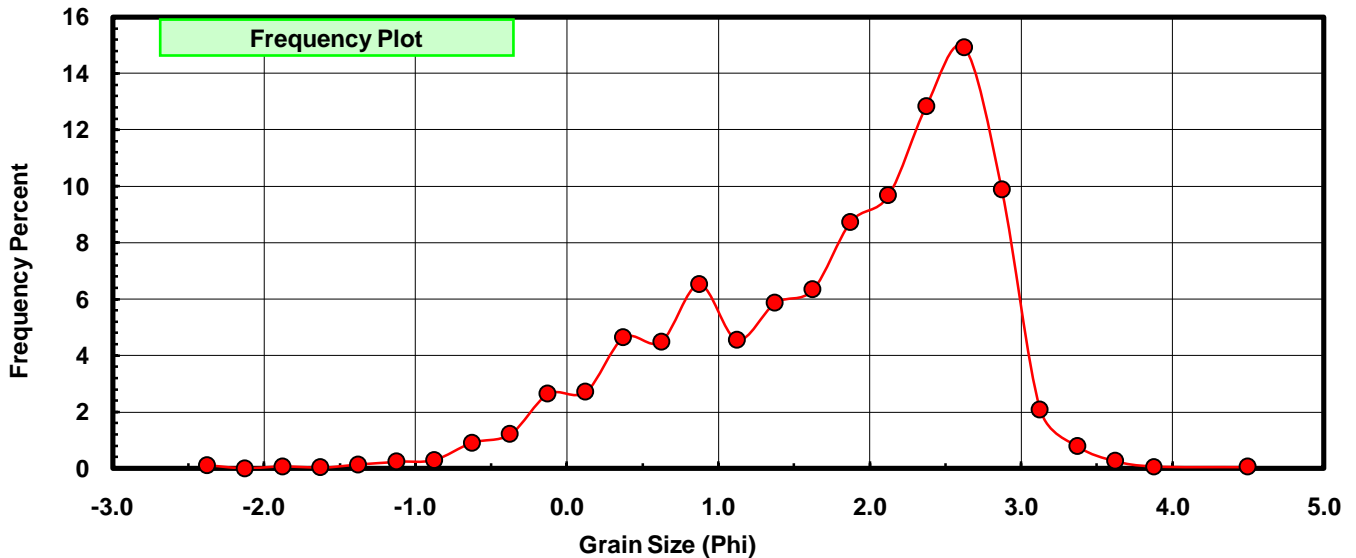
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.061	0.111	0.111
-2.00	-2.125	0.000	0.000	0.111
-1.75	-1.875	0.036	0.065	0.176
-1.50	-1.625	0.017	0.031	0.207
-1.25	-1.375	0.071	0.129	0.336
-1.00	-1.125	0.126	0.229	0.565
-0.75	-0.875	0.159	0.289	0.854
-0.50	-0.625	0.500	0.908	1.762
-0.25	-0.375	0.668	1.213	2.975
0.00	-0.125	1.451	2.635	5.610
0.25	0.125	1.492	2.710	8.319
0.50	0.375	2.554	4.638	12.958
0.75	0.625	2.471	4.488	17.445
1.00	0.875	3.589	6.518	23.963
1.25	1.125	2.511	4.560	28.523
1.50	1.375	3.230	5.866	34.389
1.75	1.625	3.489	6.336	40.725
2.00	1.875	4.807	8.730	49.455
2.25	2.125	5.328	9.676	59.131
2.50	2.375	7.067	12.834	71.965
2.75	2.625	8.218	14.924	86.890
3.00	2.875	5.441	9.881	96.771
3.25	3.125	1.145	2.079	98.850
3.50	3.375	0.428	0.777	99.628
3.75	3.625	0.140	0.254	99.882
4.00	3.875	0.038	0.069	99.951
5.00	4.50	0.027	0.049	100.000

Statistical Results			
Mean:	1.7713	phi	(0.2929 mm)
Standard Dev:	0.9855	phi-units	(0.5051 mm)
Skewness:	-0.7448	dimensionless	
Kurtosis:	2.9709	dimensionless	
5th Moment:	-5.7018	dimensionless	
6th Moment:	19.1828	dimensionless	
RARD *	0.5564	dimensionless	
Median	1.8891	phi	(0.27 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)



TY-01

