

**Onshore Grab Sample**

**Sample:** TY-03  
**Sample Taken By:** D. Phelps  
**Sample Collected On:** 2/22/11  
**Splits?** N/A

**County:** Taylor  
**Latitude:** 29° 49' 7.0" N  
**Longitude:** 83° 35' 37.9" W  
**Datum:** WGS 84  
**Surf. Elev:** N/A  
**Datum:** N/A

**Fine Data Summary**

Total Sample Weight 54.221 grams  
Total Fines in Sample 0.364 grams  
Total Percent Fines 0.67 %

**Dry Sieving Summary**

Total Sample Weight 54.023 grams  
Total Digested Weight 53.497 grams  
Total Carbonate Weight 0.526 grams  
Total Silica % 99.03 %  
Total Carbonate % 0.97 %  
Carbonate/Silica Ratio 0.010

**General Comments:**

Not Enough Carbonate Material to do Post-Digestion Analysis

**Description**

Worked By: M. Ladle

# Pre-Digestion Grain Size Distribution

Onshore Grab Sample

Sample: TY-03

Total Sample Mass: 54.023 grams

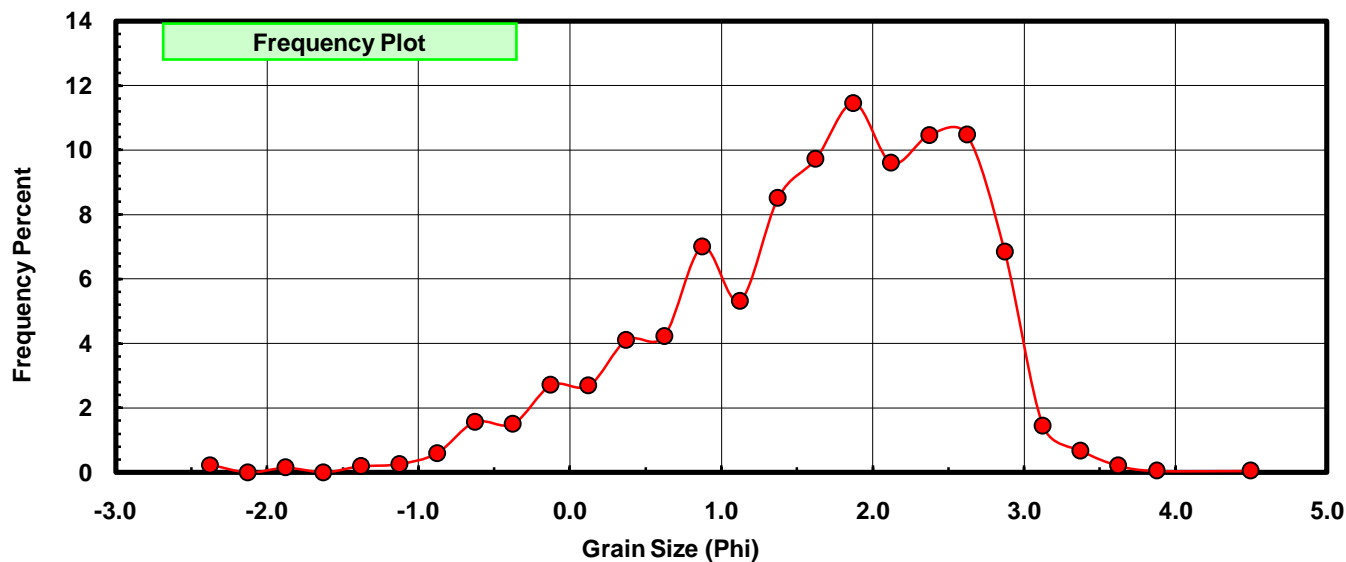
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.129	0.239	0.239
-2.00	-2.125	0.000	0.000	0.239
-1.75	-1.875	0.078	0.144	0.383
-1.50	-1.625	0.000	0.000	0.383
-1.25	-1.375	0.103	0.191	0.574
-1.00	-1.125	0.138	0.255	0.829
-0.75	-0.875	0.318	0.589	1.418
-0.50	-0.625	0.845	1.564	2.982
-0.25	-0.375	0.813	1.505	4.487
0.00	-0.125	1.463	2.708	7.195
0.25	0.125	1.453	2.690	9.885
0.50	0.375	2.220	4.109	13.994
0.75	0.625	2.284	4.228	18.222
1.00	0.875	3.777	6.991	25.213
1.25	1.125	2.871	5.314	30.528
1.50	1.375	4.600	8.515	39.043
1.75	1.625	5.253	9.724	48.766
2.00	1.875	6.188	11.454	60.221
2.25	2.125	5.183	9.594	69.815
2.50	2.375	5.652	10.462	80.277
2.75	2.625	5.657	10.471	90.748
3.00	2.875	3.694	6.838	97.586
3.25	3.125	0.777	1.438	99.024
3.50	3.375	0.360	0.666	99.691
3.75	3.625	0.113	0.209	99.900
4.00	3.875	0.027	0.050	99.950
5.00	4.50	0.027	0.050	100.000

Statistical Results			
Mean:	1.6212	phi	(0.3251 mm)
Standard Dev:	0.9816	phi-units	(0.5064 mm)
Skewness:	-0.7328	dimensionless	
Kurtosis:	3.3744	dimensionless	
5th Moment:	-6.7625	dimensionless	
6th Moment:	24.7567	dimensionless	
RARD *	0.6055	dimensionless	
Median	1.6519	phi	(0.3182 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-03

