

Onshore Grab Sample

Sample: PS-08
Sample Taken By: D. Phelps
Sample Collected On: 3/2/11
Splits? N/A

County: Pasco
Latitude: 28° 14' 18.3" N
Longitude: 82° 45' 46.3" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight 41.029 grams
Total Fines in Sample 0.650 grams
Total Percent Fines 1.56 %

Dry Sieving Summary

Total Sample Weight 40.520 grams
Total Digested Weight 38.401 grams
Total Carbonate Weight 2.119 grams
Total Silica % 94.77 %
Total Carbonate % 5.23 %
Carbonate/Silica Ratio 0.055

General Comments:

Not Enough Carbonate Material to do Post-Digestion Analysis

Description

Worked By: M. Ladle

Pre-Digestion Grain Size Distribution

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Total Sample Mass: 40.520 grams

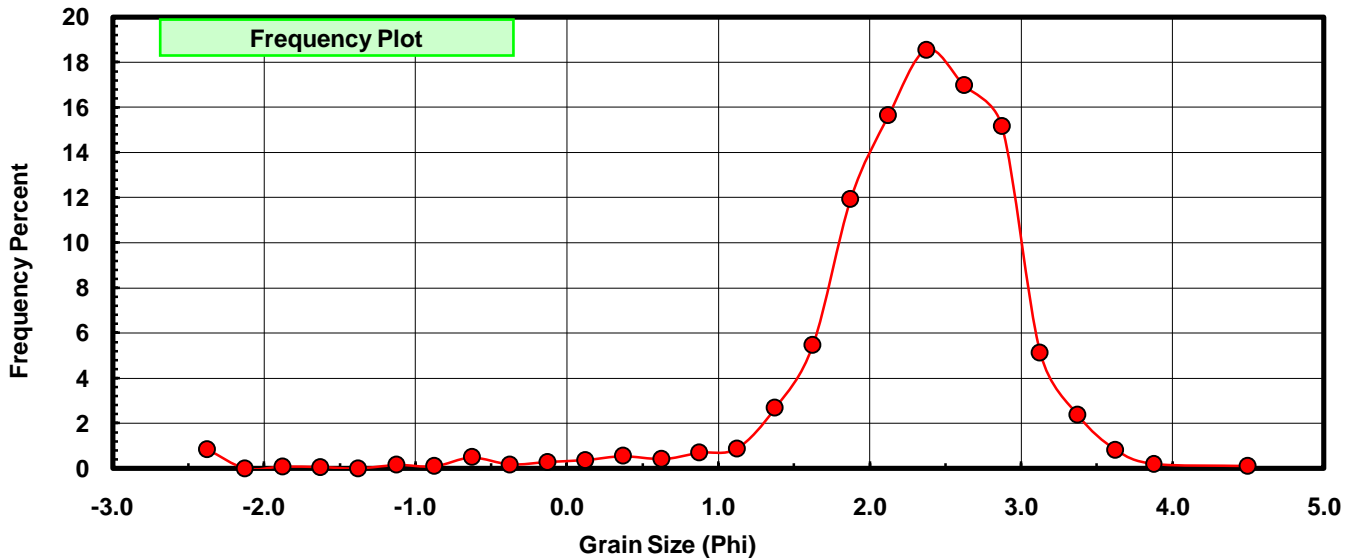
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.340	0.839	0.839
-2.00	-2.125	0.000	0.000	0.839
-1.75	-1.875	0.031	0.077	0.916
-1.50	-1.625	0.021	0.052	0.967
-1.25	-1.375	0.000	0.000	0.967
-1.00	-1.125	0.060	0.148	1.115
-0.75	-0.875	0.036	0.089	1.204
-0.50	-0.625	0.196	0.484	1.688
-0.25	-0.375	0.067	0.165	1.853
0.00	-0.125	0.111	0.274	2.127
0.25	0.125	0.149	0.368	2.495
0.50	0.375	0.220	0.543	3.038
0.75	0.625	0.167	0.412	3.450
1.00	0.875	0.280	0.691	4.141
1.25	1.125	0.354	0.874	5.015
1.50	1.375	1.082	2.670	7.685
1.75	1.625	2.215	5.466	13.152
2.00	1.875	4.839	11.942	25.094
2.25	2.125	6.338	15.642	40.735
2.50	2.375	7.515	18.546	59.282
2.75	2.625	6.875	16.967	76.249
3.00	2.875	6.145	15.165	91.414
3.25	3.125	2.078	5.128	96.542
3.50	3.375	0.957	2.362	98.904
3.75	3.625	0.329	0.812	99.716
4.00	3.875	0.078	0.192	99.909
5.00	4.50	0.037	0.091	100.000

Statistical Results			
Mean:	2.2770	phi	(0.2063 mm)
Standard Dev:	0.7869	phi-units	(0.5796 mm)
Skewness:	-2.5916	dimensionless	
Kurtosis:	14.6494	dimensionless	
5th Moment:	-75.9108	dimensionless	
6th Moment:	427.6909	dimensionless	
RARD *	0.3456	dimensionless	
Median	2.2499	phi	(0.2102 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)



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