

Onshore Grab Sample

Sample: PS-49-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/2/11
Splits? N/A

County: Pasco
Latitude: 28° 9' 58.3" N
Longitude: 82° 50' 53.9" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	49.832 grams
Total Fines in Sample	0.038 grams
Total Percent Fines	0.08 %

Dry Sieving Summary

Total Sample Weight	49.367 grams
Total Digested Weight	49.126 grams
Total Carbonate Weight	0.241 grams
Total Silica %	99.51 %
Total Carbonate %	0.49 %
Carbonate/Silica Ratio	0.005

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: 49.367 grams

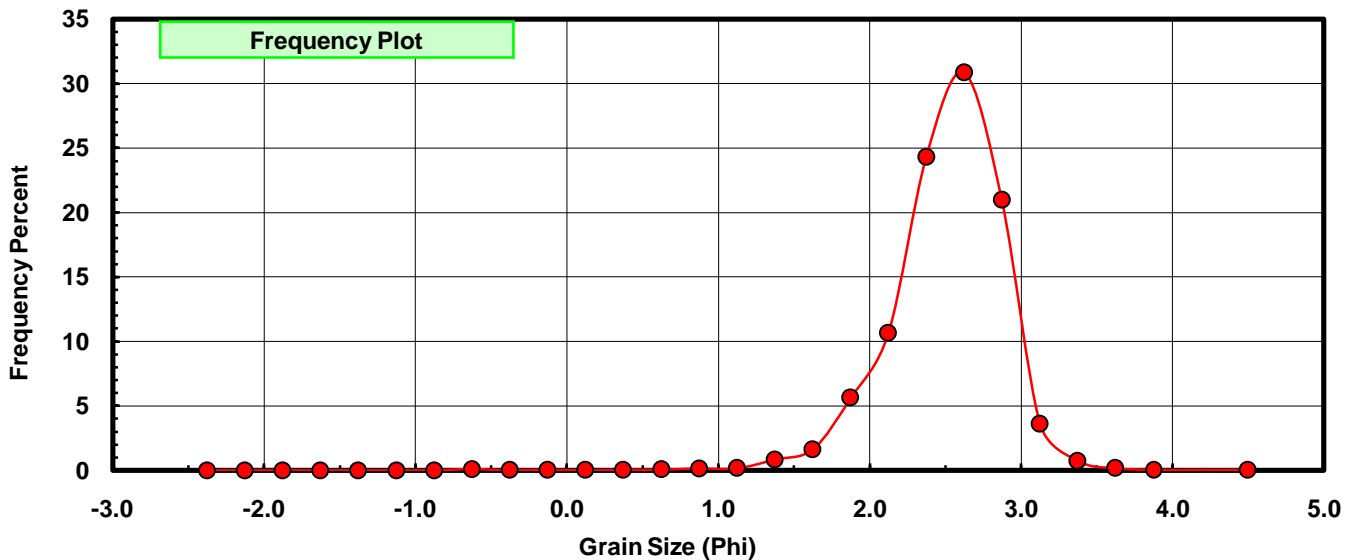
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.044	0.089	0.089
-0.25	-0.375	0.008	0.016	0.105
0.00	-0.125	0.016	0.032	0.138
0.25	0.125	0.009	0.018	0.156
0.50	0.375	0.024	0.049	0.205
0.75	0.625	0.033	0.067	0.271
1.00	0.875	0.074	0.150	0.421
1.25	1.125	0.084	0.170	0.591
1.50	1.375	0.413	0.837	1.428
1.75	1.625	0.807	1.635	3.063
2.00	1.875	2.773	5.617	8.680
2.25	2.125	5.260	10.655	19.335
2.50	2.375	12.006	24.320	43.655
2.75	2.625	15.228	30.847	74.501
3.00	2.875	10.349	20.963	95.465
3.25	3.125	1.774	3.593	99.058
3.50	3.375	0.361	0.731	99.789
3.75	3.625	0.078	0.158	99.947
4.00	3.875	0.014	0.028	99.976
5.00	4.50	0.012	0.024	100.000

Statistical Results			
Mean:	2.5079	phi	(0.1758 mm)
Standard Dev:	0.3863	phi-units	(0.7651 mm)
Skewness:	-1.3304	dimensionless	
Kurtosis:	9.5953	dimensionless	
5th Moment:	-51.0655	dimensionless	
6th Moment:	383.1063	dimensionless	
RARD *	0.1540	dimensionless	
Median	2.4264	phi	(0.186 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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