

Onshore Grab Sample

Sample: ES-20-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/28/11
Splits? N/A

County: Escambia
Latitude: 30° 19' 14.2" N
Longitude: 87° 13' 10.2" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	57.82 grams
Total Fines in Sample	0.037 grams
Total Percent Fines	0.06 %

Dry Sieving Summary

Total Sample Weight	57.718 grams
Total Digested Weight	44.261 grams
Total Carbonate Weight	13.457 grams
Total Silica %	76.68 %
Total Carbonate %	23.32 %
Carbonate/Silica Ratio	0.304

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: 57.718 grams

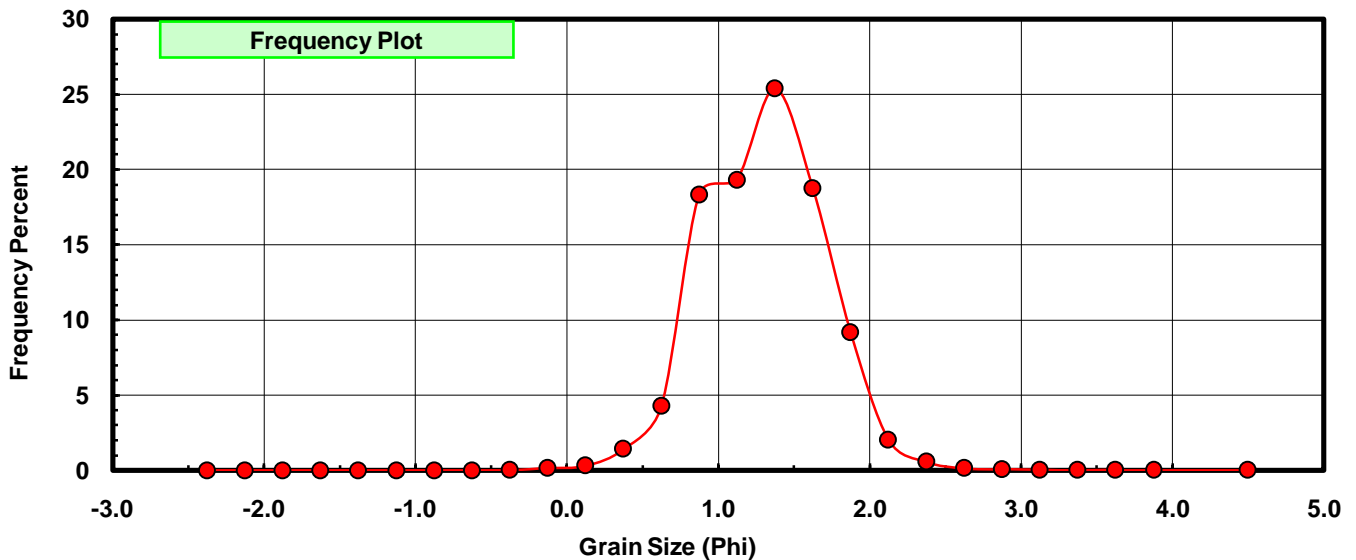
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.010	0.017	0.017
0.00	-0.125	0.092	0.159	0.177
0.25	0.125	0.181	0.314	0.490
0.50	0.375	0.820	1.421	1.911
0.75	0.625	2.468	4.276	6.187
1.00	0.875	10.582	18.334	24.521
1.25	1.125	11.140	19.301	43.822
1.50	1.375	14.644	25.372	69.193
1.75	1.625	10.809	18.727	87.921
2.00	1.875	5.286	9.158	97.079
2.25	2.125	1.176	2.037	99.116
2.50	2.375	0.328	0.568	99.685
2.75	2.625	0.083	0.144	99.828
3.00	2.875	0.041	0.071	99.900
3.25	3.125	0.018	0.031	99.931
3.50	3.375	0.013	0.023	99.953
3.75	3.625	0.013	0.023	99.976
4.00	3.875	0.005	0.009	99.984
5.00	4.50	0.009	0.016	100.000

Statistical Results			
Mean:	1.3008	phi	(0.4059 mm)
Standard Dev:	0.4039	phi-units	(0.7558 mm)
Skewness:	0.1772	dimensionless	
Kurtosis:	4.2678	dimensionless	
5th Moment:	8.5397	dimensionless	
6th Moment:	78.2939	dimensionless	
RARD *	0.3105	dimensionless	
Median	1.1859	phi	(0.4396 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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