

Onshore Grab Sample

Sample: ES-26-BB
Sample Taken By: D. Phelps
Sample Collected On: 3/30/11
Splits? N/A

County: Escambia
Latitude: 30° 20' 0.2" N
Longitude: 87° 7' 40" W
Datum: WGS 84
Surf. Elev: N/A
Datum: N/A

Fine Data Summary

Total Sample Weight	65.393 grams
Total Fines in Sample	0.017 grams
Total Percent Fines	0.03 %

Dry Sieving Summary

Total Sample Weight	65.375 grams
Total Digested Weight	60.456 grams
Total Carbonate Weight	4.919 grams
Total Silica %	92.48 %
Total Carbonate %	7.52 %
Carbonate/Silica Ratio	0.081

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: 65.375 grams

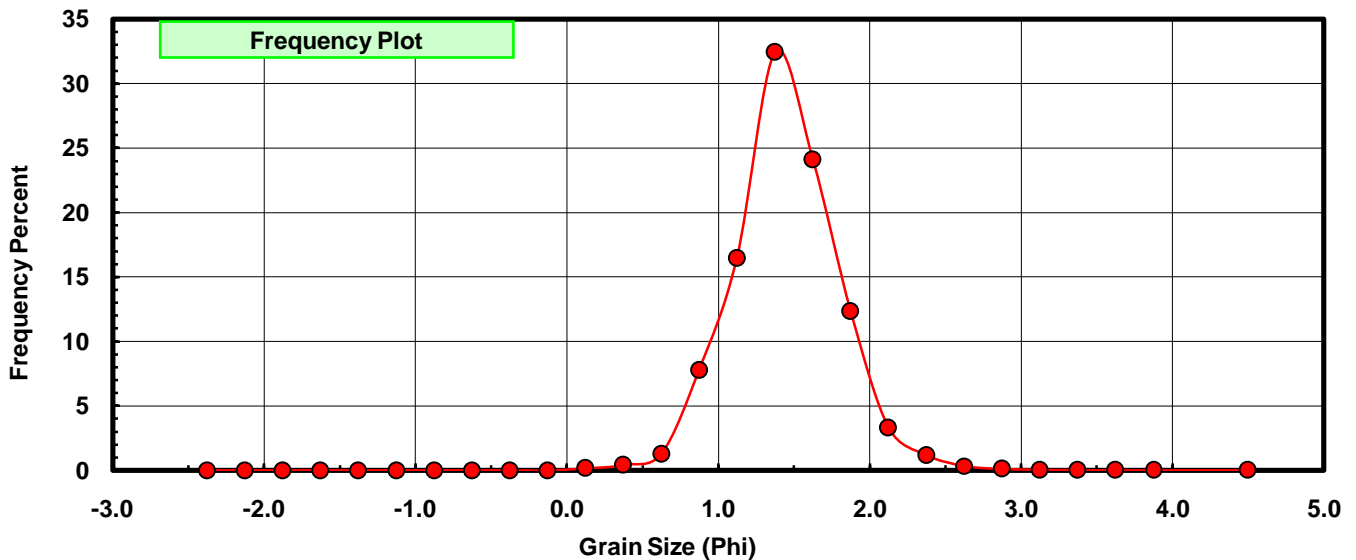
Sieve Size (phi)	Sieve Midpt (phi)	Weight (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000
0.25	0.125	0.099	0.151	0.151
0.50	0.375	0.275	0.421	0.572
0.75	0.625	0.832	1.273	1.845
1.00	0.875	5.088	7.783	9.628
1.25	1.125	10.762	16.462	26.089
1.50	1.375	21.220	32.459	58.548
1.75	1.625	15.741	24.078	82.626
2.00	1.875	8.064	12.335	94.961
2.25	2.125	2.171	3.321	98.282
2.50	2.375	0.769	1.176	99.459
2.75	2.625	0.228	0.349	99.807
3.00	2.875	0.081	0.124	99.931
3.25	3.125	0.018	0.028	99.959
3.50	3.375	0.012	0.018	99.977
3.75	3.625	0.005	0.008	99.985
4.00	3.875	0.005	0.008	99.992
5.00	4.50	0.005	0.008	100.000

Statistical Results			
Mean:	1.4455	phi	(0.3672 mm)
Standard Dev:	0.3581	phi-units	(0.7802 mm)
Skewness:	0.2522	dimensionless	
Kurtosis:	4.5646	dimensionless	
5th Moment:	8.1676	dimensionless	
6th Moment:	74.3747	dimensionless	
RARD *	0.2477	dimensionless	
Median	1.3092	phi	(0.4036 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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