

**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Feb 2017  
**Station** 67+000  
**Sample** Berm Composite

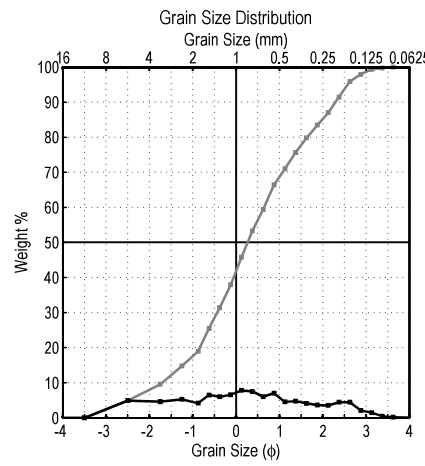
**Mean** 0.489 mm  
**STD** 0.359 mm  
**Skewness** -0.550

**USCS** Wentworth

SP Medium Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 118.83  
 % finer than 0.0625 mm 0.11  
 % coarser than 2.00 mm 9.77  
 CaCO<sub>3</sub> 28.1

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1 -3.245	Mean 1.032 0.489
-3	-3.5	0.00	0.00	0.00	0.00	5 -2.210	Standard Deviation 1.477 0.359
-2	-2.5	4.65	3.91	3.91	16 -0.635	Skewness -0.550	
-1.5	-1.75	3.33	2.80	6.72	25 -0.080	Kurtosis 2.551	
-1	-1.25	3.63	3.05	9.77	50 1.045	Dispersion	
-0.75	-0.875	2.81	2.36	12.13	75 2.195	Standard Deviation	
-0.5	-0.625	4.83	4.06	16.20	84 2.440	Deviation from Normal	
-0.25	-0.375	4.31	3.63	19.83	95 2.835		
0	-0.125	4.95	4.17	23.99	99 3.190		
0.25	0.125	6.59	5.55	29.54			
0.5	0.375	6.67	5.61	35.15			
0.75	0.625	6.17	5.19	40.34			
1	0.875	7.74	6.51	46.86			
1.25	1.125	5.49	4.62	51.48			
1.5	1.375	6.27	5.28	56.75			
1.75	1.625	4.30	3.62	60.37			
2	1.875	6.48	5.45	65.83			
2.25	2.125	7.86	6.61	72.44			
2.5	2.375	10.60	8.92	81.36			
2.75	2.625	11.63	9.79	91.15			
3	2.875	5.41	4.55	95.70			
3.25	3.125	3.68	3.10	98.80			
3.5	3.375	0.95	0.80	99.60			
3.75	3.625	0.35	0.29	99.89			
>4.0	4.125	0.13	0.11	100.00			



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Feb 2017  
**Station** 67+300  
**Sample** Berm Composite

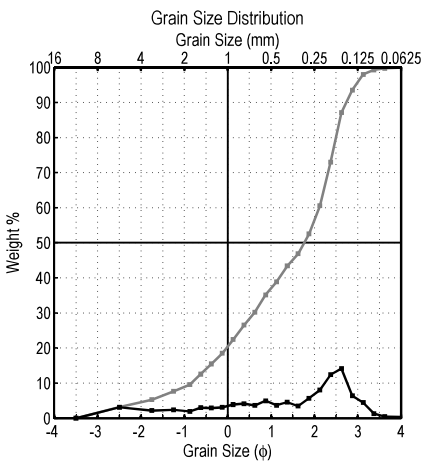
**Mean** 0.739 mm  
**STD** 0.376 mm  
**Skewness** -0.077

**USCS** Wentworth

SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Platykurtic

Total weight (gram) 122.61  
 % finer than 0.0625 mm 0.08  
 % coarser than 2.00 mm 14.77  
 CaCO<sub>3</sub> 41.3

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1 -3.295	Mean 0.437 0.739
-3	-3.5	0.00	0.00	0.00	0.00	5 -2.485	Standard Deviation 1.411 0.376
-2	-2.5	6.02	4.91	4.91	16 -1.140	Skewness -0.077	
-1.5	-1.75	5.66	4.62	9.53	25 -0.640	Kurtosis 2.454	
-1	-1.25	6.43	5.24	14.77	50 0.285	Dispersion	
-0.75	-0.875	5.11	4.17	18.94	75 1.340	Standard Deviation	
-0.5	-0.625	7.98	6.51	25.45	84 1.915	Deviation from Normal	
-0.25	-0.375	7.33	5.98	31.42	95 2.580		
0	-0.125	8.02	6.54	37.97	99 3.075		
0.25	0.125	9.61	7.84	45.80			
0.5	0.375	9.22	7.52	53.32			
0.75	0.625	7.41	6.04	59.37			
1	0.875	8.62	7.03	66.40			
1.25	1.125	5.55	4.53	70.92			
1.5	1.375	5.81	4.74	75.66			
1.75	1.625	5.05	4.12	79.78			
2	1.875	4.44	3.62	83.40			
2.25	2.125	4.36	3.56	86.96			
2.5	2.375	5.42	4.42	91.38			
2.75	2.625	5.43	4.43	95.81			
3	2.875	2.53	2.06	97.87			
3.25	3.125	1.75	1.43	99.30			
3.5	3.375	0.54	0.44	99.74			
3.75	3.625	0.22	0.18	99.92			
>4.0	4.125	0.10	0.08	100.00			



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Feb 2017  
**Station** 68+000  
**Sample** Berm Composite

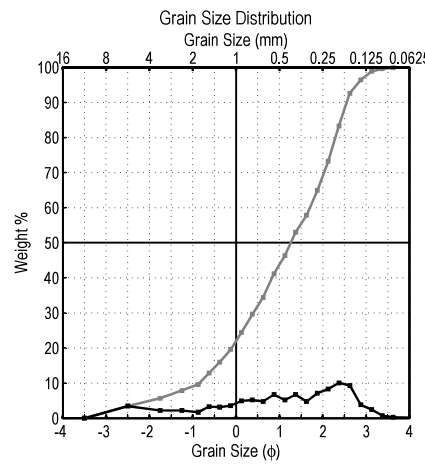
**Mean** 0.382 mm  
**STD** 0.363 mm  
**Skewness** -0.876

**USCS** Wentworth

SP Medium Sand  
 Fine Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 120.47  
 % finer than 0.0625 mm 0.27  
 % coarser than 2.00 mm 7.64  
 CaCO<sub>3</sub> 30.3

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1 -3.175	Mean 1.390 0.382
-3	-3.5	0.00	0.00	0.00	0.00	5 -1.840	Standard Deviation 1.461 0.363
-2	-2.5	3.73	3.10	3.10	16 -0.330	Skewness -0.876	
-1.5	-1.75	2.61	2.17	5.26	25 0.280	Kurtosis 2.985	
-1	-1.25	2.86	2.37	7.64	50 1.765	Dispersion	
-0.75	-0.875	2.30	1.91	9.55	75 2.410	Standard Deviation	
-0.5	-0.625	3.60	2.99	12.53	84 2.570	Deviation from Normal	
-0.25	-0.375	3.51	2.91	15.45	95 2.960		
0	-0.125	3.71	3.08	18.53	99 3.325		
0.25	0.125	4.67	3.88	22.40			
0.5	0.375	5.00	4.15	26.55			
0.75	0.625	4.39	3.64	30.20			
1	0.875	5.97	4.96	35.15			
1.25	1.125	4.44	3.69	38.84			
1.5	1.375	5.51	4.57	43.41			
1.75	1.625	4.16	3.45	46.87			
2	1.875	6.84	5.68	52.54			
2.25	2.125	9.66	8.02	60.56			
2.5	2.375	14.84	12.40	72.96			
2.75	2.625	17.01	14.12	87.08			
3	2.875	7.75	6.43	93.52			
3.25	3.125	5.37	4.46	97.97			
3.5	3.375	1.56	1.29	99.27			
3.75	3.625	0.56	0.46	99.73			
>4.0	4.125	0.32	0.27	100.00			



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Feb 2017  
**Station** 68+300  
**Sample** Berm Composite

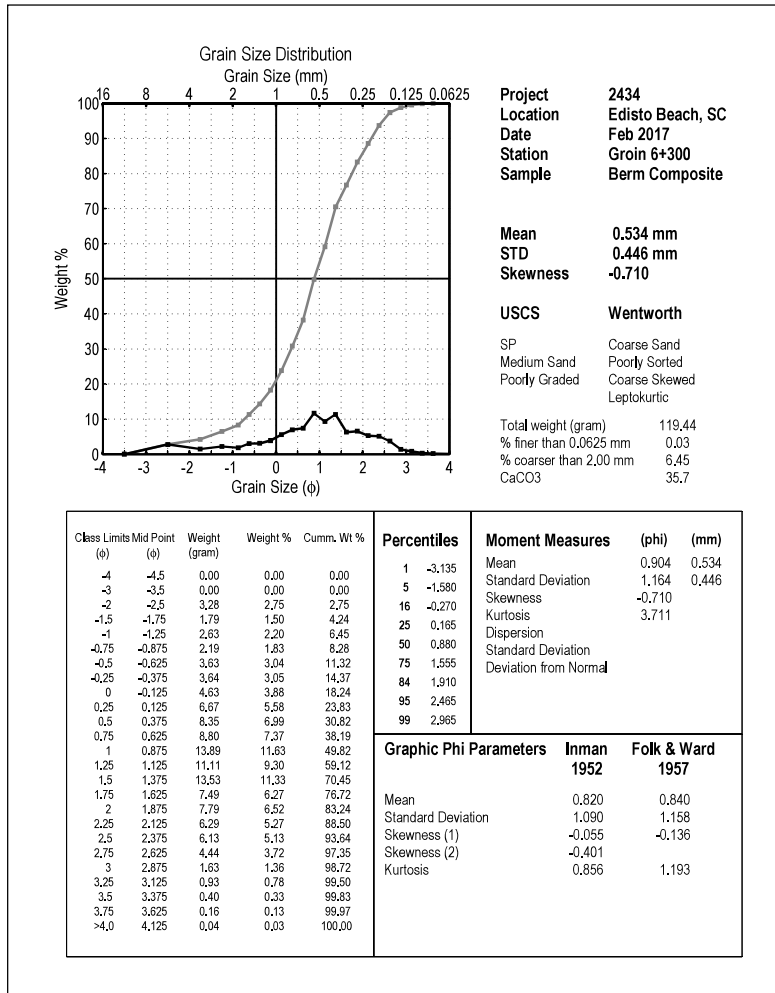
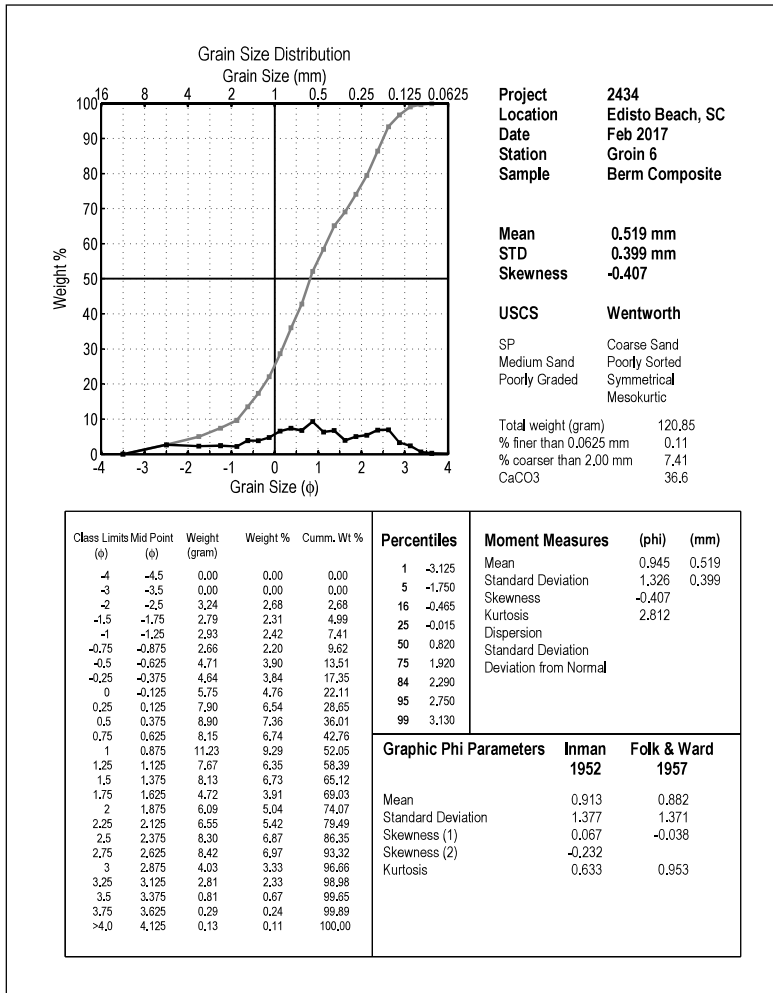
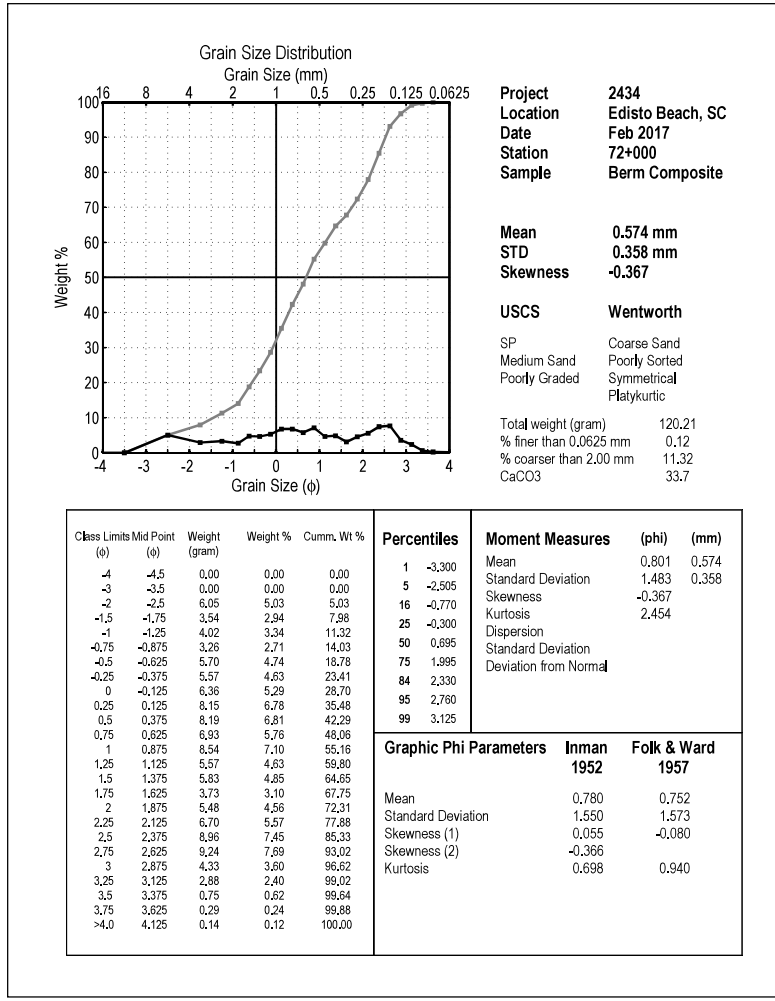
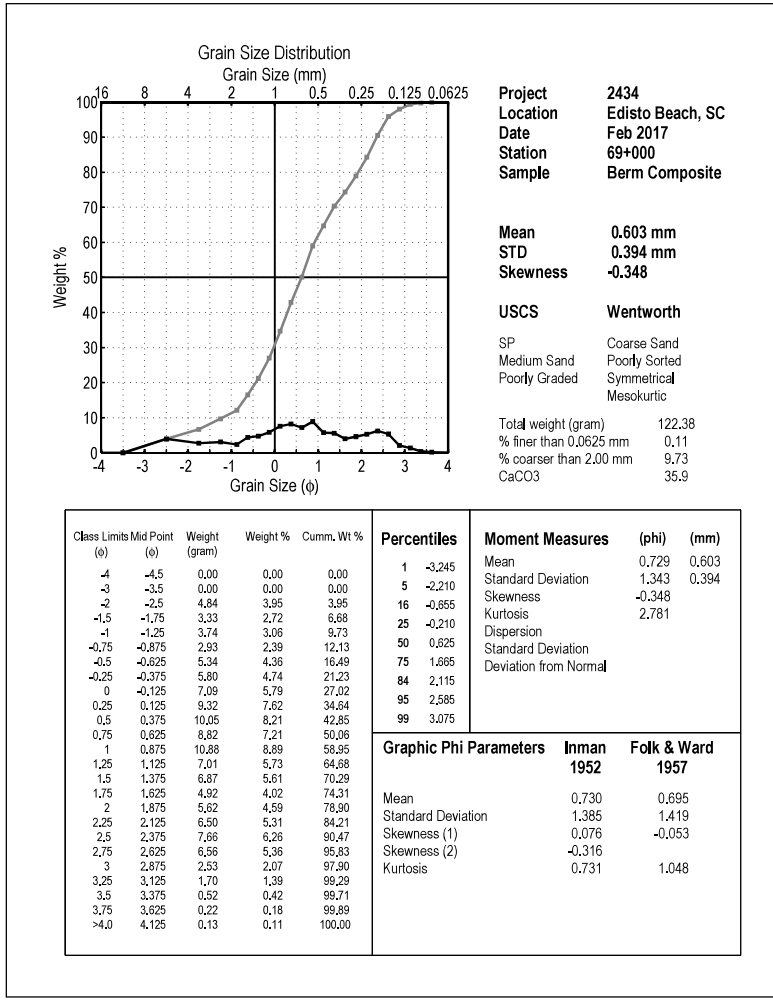
**Mean** 0.448 mm  
**STD** 0.381 mm  
**Skewness** -0.752

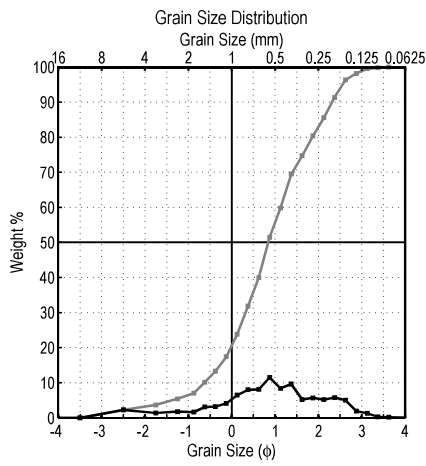
**USCS** Wentworth

SP Medium Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 121.01  
 % finer than 0.0625 mm 0.14  
 % coarser than 2.00 mm 7.87  
 CaCO<sub>3</sub> 33.2

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1 -3.210	Mean 1.158 0.448
-3	-3.5	0.00	0.00	0.00	0.00	5 -1.975	Standard Deviation 1.391 0.381
-2	-2.5	4.17	3.45	3.45	16 -0.375	Skewness -0.752	
-1.5	-1.75	2.69	2.22	5.67	25 0.150	Kurtosis 3.015	
-1	-1.25	2.66	2.20	7.87	50 1.285	Dispersion	
-0.75	-0.875	2.06	1.70	9.57	75 2.170	Standard Deviation	
-0.5	-0.625	3.96	3.27	12.84	84 2.395	Deviation from Normal	
-0.25	-0.375	3.80	3.14	15.98	95 2.785		
0	-0.125	4.35	3.59	19.58	99 3.175		
0.25	0.125	5.95	4.92	24.49			
0.5	0.375	6.23	5.15	29.64			
0.75	0.625	5.79	4.78	34.43			
1	0.875	8.13	6.72	41.15			
1.25	1.125	6.25	5.16	46.31			
1.5	1.375	8.11	6.70	53.01			
1.75	1.625	5.79	4.78	57.80			
2	1.875	8.64	7.14	64.94			
2.25	2.125	10.07	8.32	73.26			
2.5	2.375	12.16	10.05	83.31			
2.75	2.625	11.24	9.29	92.60			
3	2.875	4.59	3.79	96.39			
3.25	3.125	2.99	2.47	98.86			
3.5	3.375	0.87	0.72	99.58			
3.75	3.625	0.34	0.28	99.86			
>4.0	4.125	0.17	0.14	100.00			





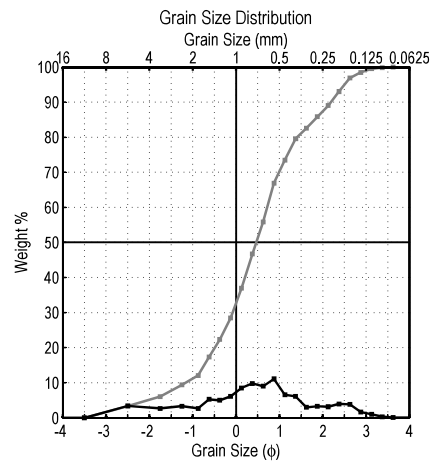
**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Feb 2017  
**Station** Groin 5  
**Sample** Berm Composite

**Mean** 0.519 mm  
**STD** 0.446 mm  
**Skewness** -0.540

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 118.90  
 % finer than 0.0625 mm 0.08  
 % coarser than 2.00 mm 5.43  
 CaCO3 30.2

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)		
-4	-4.5	0.00	0.00	0.00	1	-3.060		
-3	-3.5	0.00	0.00	0.00	5	-1.375		
-2	-2.5	2.70	2.27	2.27	16	-0.210		
-1.5	-1.75	1.66	1.40	3.67	25	0.160		
-1	-1.25	2.10	1.77	5.43	50	0.845		
-0.75	-0.875	1.90	1.60	7.03	75	1.640		
-0.5	-0.625	3.63	3.05	10.08	84	2.050		
-0.25	-0.375	3.78	3.18	13.26	95	2.560		
0	-0.125	4.88	4.11	17.38	99	3.030		
0.25	0.125	7.69	6.47	23.84	Graphic Phi Parameters		Inman	Folk & Ward
0.5	0.375	9.50	7.99	31.83	Mean	0.920	0.895	
0.75	0.625	9.59	8.07	39.90	Standard Deviation	1.130	1.161	
1	0.875	13.68	11.51	51.40	Skewness (1)	0.066	-0.031	
1.25	1.125	10.03	8.44	59.84	Skewness (2)	-0.223		
1.5	1.375	11.45	9.63	69.47	Kurtosis	0.741	1.090	
1.75	1.625	6.20	5.21	74.68				
2	1.875	6.74	5.67	80.35				
2.25	2.125	6.16	5.18	85.53				
2.5	2.375	6.86	5.77	91.30				
2.75	2.625	5.92	4.98	96.28				
3	2.875	2.27	1.91	98.19				
3.25	3.125	1.53	1.29	99.48				
3.5	3.375	0.32	0.27	99.75				
3.75	3.625	0.21	0.18	99.92				
>4.0	4.125	0.09	0.08	100.00				



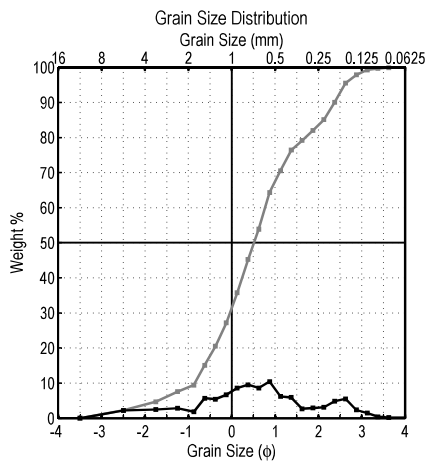
**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Feb 2017  
**Station** Groin 5+200  
**Sample** Berm Composite

**Mean** 0.672 mm  
**STD** 0.425 mm  
**Skewness** -0.220

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic

Total weight (gram) 118.63  
 % finer than 0.0625 mm 0.08  
 % coarser than 2.00 mm 9.36  
 CaCO3 33.7

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)		
-4	-4.5	0.00	0.00	0.00	1	-3.205		
-3	-3.5	0.00	0.00	0.00	5	-2.045		
-2	-2.5	4.01	3.38	3.38	16	-0.690		
-1.5	-1.75	3.16	2.66	6.04	25	-0.265		
-1	-1.25	3.96	3.34	9.38	50	0.465		
-0.75	-0.875	3.19	2.69	12.07	75	1.190		
-0.5	-0.625	6.24	5.26	17.33	84	1.735		
-0.25	-0.375	5.95	5.02	22.35	95	2.505		
0	-0.125	7.25	6.11	28.46	99	3.015		
0.25	0.125	10.08	8.50	36.96	Graphic Phi Parameters		Inman	Folk & Ward
0.5	0.375	11.62	9.80	46.75	Mean	0.522	0.503	
0.75	0.625	10.72	9.04	55.79	Standard Deviation	1.212	1.296	
1	0.875	13.16	11.09	66.88	Skewness (1)	0.047	-0.028	
1.25	1.125	7.78	6.56	73.44	Skewness (2)	-0.194		
1.5	1.375	7.28	6.14	79.58	Kurtosis	0.876	1.282	
1.75	1.625	3.56	3.00	82.58				
2	1.875	3.87	3.26	85.84				
2.25	2.125	3.74	3.15	88.99				
2.5	2.375	4.73	3.99	92.98				
2.75	2.625	4.57	3.85	96.83				
3	2.875	1.90	1.60	98.43				
3.25	3.125	1.22	1.03	99.46				
3.5	3.375	0.40	0.34	99.80				
3.75	3.625	0.15	0.13	99.92				
>4.0	4.125	0.09	0.08	100.00				



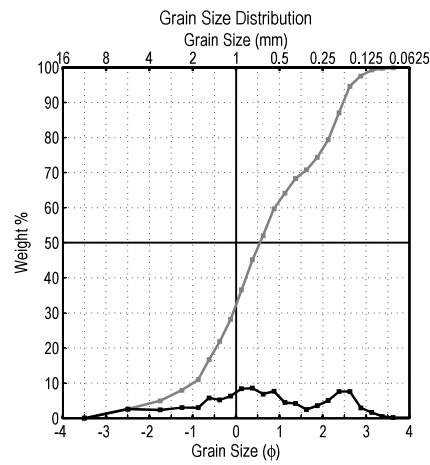
**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Feb 2017  
**Station** Groin 4  
**Sample** Berm Composite

**Mean** 0.620 mm  
**STD** 0.423 mm  
**Skewness** -0.085

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic

Total weight (gram) 118.15  
 % finer than 0.0625 mm 0.13  
 % coarser than 2.00 mm 7.58  
 CaCO3 36.0

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)		
-4	-4.5	0.00	0.00	0.00	1	-3.050		
-3	-3.5	0.00	0.00	0.00	5	-1.700		
-2	-2.5	2.63	2.23	2.23	16	-0.585		
-1.5	-1.75	2.93	2.48	4.71	25	-0.205		
-1	-1.25	3.39	2.87	7.58	50	0.515		
-0.75	-0.875	2.16	1.83	9.40	75	1.315		
-0.5	-0.625	6.71	5.68	15.08	84	2.035		
-0.25	-0.375	6.39	5.41	20.49	95	2.605		
0	-0.125	7.88	6.67	27.16	99	3.080		
0.25	0.125	10.16	8.60	35.76	Graphic Phi Parameters		Inman	Folk & Ward
0.5	0.375	11.22	9.50	45.26	Mean	0.725	0.655	
0.75	0.625	10.16	8.60	53.86	Standard Deviation	1.310	1.307	
1	0.875	12.35	10.45	64.31	Skewness (1)	0.160	0.066	
1.25	1.125	7.32	6.20	70.50	Skewness (2)	-0.048		
1.5	1.375	6.99	5.92	76.42	Kurtosis	0.643	1.161	
1.75	1.625	3.18	2.69	79.11				
2	1.875	3.41	2.89	82.00				
2.25	2.125	3.98	3.11	85.11				
2.5	2.375	5.75	4.87	89.98				
2.75	2.625	6.51	5.51	95.49				
3	2.875	2.76	2.34	97.82				
3.25	3.125	1.70	1.44	99.26				
3.5	3.375	0.50	0.42	99.69				
3.75	3.625	0.22	0.19	99.87				
>4.0	4.125	0.15	0.13	100.00				



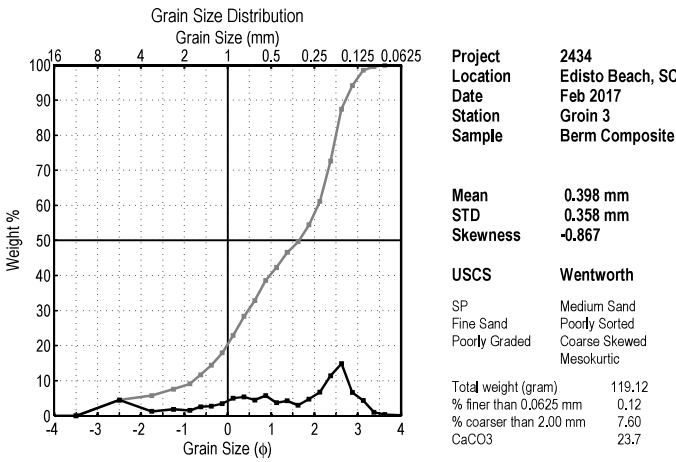
**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Feb 2017  
**Station** Groin 3+300  
**Sample** Berm Composite

**Mean** 0.580 mm  
**STD** 0.392 mm  
**Skewness** -0.158

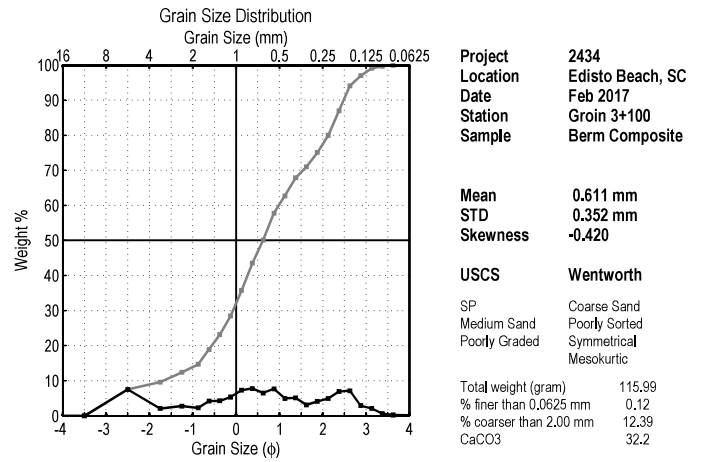
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Platykurtic

Total weight (gram) 118.46  
 % finer than 0.0625 mm 0.14  
 % coarser than 2.00 mm 7.95  
 CaCO3 31.5

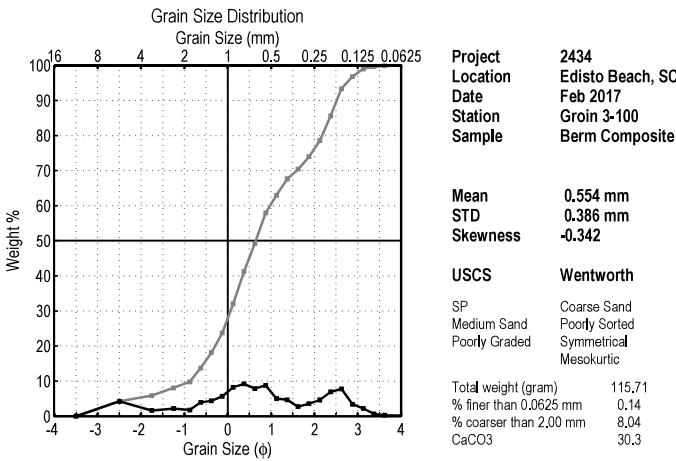
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)		
-4	-4.5	0.00	0.00	0.00	1	-3.115		
-3	-3.5	0.00	0.00	0.00	5	-1.740		
-2	-2.5	3.06	2.58	2.58	16	-0.655		
-1.5	-1.75	2.79	2.36	4.94	25	-0.250		
-1	-1.25	3.57	3.01	7.95	50	0.550		
-0.75	-0.875	3.52	2.97	10.92	75	1.905		
-0.5	-0.625	6.92	5.78	16.89	84	2.275		
-0.25	-0.375	6.15	5.19	21.87	95	2.660		
0	-0.125	7.48	6.31	28.19	99	3.095		
0.25	0.125	9.93	8.38	36.57	Graphic Phi Parameters		Inman	Folk & Ward
0.5	0.375	10.12	8.54	45.11	Mean	0.810	0.723	
0.75	0.625	8.18	6.91	52.02	Standard Deviation	1.465	1.399	
1	0.875	9.06	7.65	59.67	Skewness (1)	0.177	0.068	
1.25	1.125	5.26	4.44	64.11	Skewness (2)	-0.061		
1.5	1.375	4.98	4.20	68.31	Kurtosis	0.502	0.837	
1.75	1.625	2.93	2.47	70.78				
2	1.875	4.25	3.59	74.37				
2.25	2.125	5.96	5.03	79.40				
2.5	2.375	8.97	7.57	86.97				
2.75	2.625	9.03	7.62	94.60				
3	2.875	3.48	2.94	97.54				
3.25	3.125	1.96	1.65	99.19				
3.5	3.375	0.59	0.50	99.69				
3.75	3.625	0.21	0.18	99.86				
>4.0	4.125	0.16	0.14	100.00				



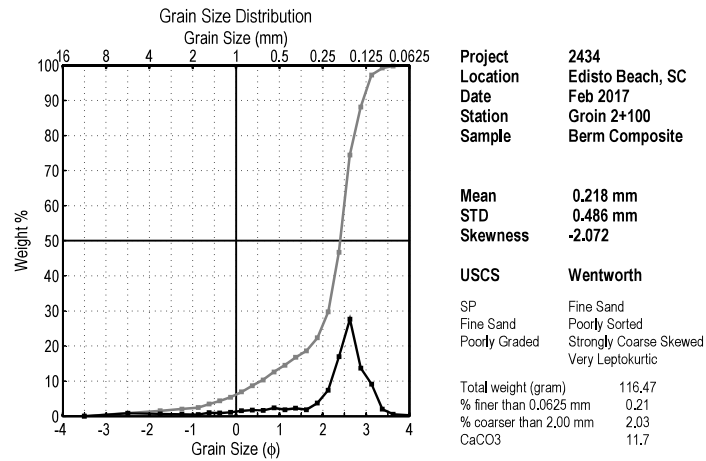
Class Limits	Mid Point (e)	(e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)		
-4	-4.5	0.00	0.00	0.00	0.00	1	-3.280		
-3	-3.5	0.00	0.00	0.00	0.00	5	-2.200		
-2	-2.5	5.36	4.50	4.50	16	-0.265	1,330	0.398	
-1.5	-1.75	1.49	1.25	5.75	25	0.220	1,480	0.358	
-1	-1.25	2.20	1.85	7.60	50	1.645	-0.867	3,060	
-0.75	-0.875	1.79	1.50	9.10	75	2.415	2.09	9.60	
-0.5	-0.625	3.07	2.58	11.68	84	2.565	2.27	14.68	
-0.25	-0.375	3.28	2.75	14.43	95	2.925	2.42	20.9	
0	-0.125	4.19	3.52	17.95	99	3.250	2.78	12.39	
0.25	0.125	5.95	4.99	22.94			2.63	2.27	14.68
0.5	0.375	6.40	5.37	28.32			4.91	4.23	18.89
0.75	0.625	5.34	4.48	32.80			4.95	4.27	23.16
1	0.875	6.87	5.77	38.57			6.18	5.33	28.49
1.25	1.125	4.44	3.73	42.29			8.44	7.28	35.76
1.5	1.375	5.09	4.27	46.57			9.01	7.77	43.53
1.75	1.625	3.62	3.04	49.61			7.56	6.52	50.05
2	1.875	5.72	4.80	54.41			8.94	7.71	57.75
2.25	2.125	8.02	6.73	61.14			8.04	6.93	66.90
2.5	2.375	13.61	11.43	72.57			8.28	7.14	73.16
2.75	2.625	17.70	14.96	87.42			3.38	2.91	96.95
3	2.875	7.96	6.68	94.11			2.41	2.08	99.03
3.25	3.125	5.21	4.37	98.48			0.72	0.62	99.65
3.5	3.375	1.22	1.02	99.50			0.27	0.23	99.88
3.75	3.625	0.45	0.38	99.88			0.14	0.12	100.00
>4.0	4.125	0.14	0.12	100.00					



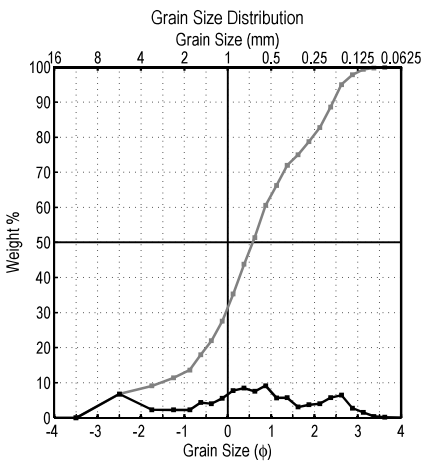
Class Limits	Mid Point (e)	(e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)		
-4	-4.5	0.00	0.00	0.00	0.00	1	-3.365		
-3	-3.5	0.00	0.00	0.00	0.00	5	-2.835		
-2	-2.5	8.72	7.52	7.52	16	-0.795	0.711	0.611	
-1.5	-1.75	2.42	2.09	9.60	25	-0.290	1.505	0.352	
-1	-1.25	3.23	2.78	12.39	50	0.625	-0.420	2.598	
-0.75	-0.875	2.63	2.27	14.68	75	1.870	2.09	9.60	
-0.5	-0.625	4.91	4.23	18.89	84	2.270	2.27	14.68	
-0.25	-0.375	4.95	4.27	23.16	95	2.920	2.42	20.9	
0	-0.125	6.18	5.33	28.49	99	3.120	2.78	12.39	
0.25	0.125	8.44	7.28	35.76			2.63	2.27	14.68
0.5	0.375	9.01	7.77	43.53			4.91	4.23	18.89
0.75	0.625	7.56	6.52	50.05			8.94	7.71	57.75
1	0.875	8.94	7.71	57.75			8.04	6.93	66.90
1.25	1.125	5.75	4.96	62.71			8.28	7.14	73.16
1.5	1.375	5.96	5.14	67.85			3.38	2.91	96.95
1.75	1.625	3.61	3.11	70.96			2.41	2.08	99.03
2	1.875	4.73	4.08	75.04			0.72	0.62	99.65
2.25	2.125	5.71	4.92	79.96			0.27	0.23	99.88
2.5	2.375	8.04	6.93	86.90			0.14	0.12	100.00
2.75	2.625	8.28	7.14	94.03					
3	2.875	3.38	2.91	96.95					
3.25	3.125	2.41	2.08	99.03					
3.5	3.375	0.72	0.62	99.65					
3.75	3.625	0.27	0.23	99.88					
>4.0	4.125	0.14	0.12	100.00					



Class Limits	Mid Point (e)	(e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)		
-4	-4.5	0.00	0.00	0.00	0.00	1	-3.265		
-3	-3.5	0.00	0.00	0.00	0.00	5	-2.145		
-2	-2.5	4.90	4.23	4.23	16	-0.495	0.851	0.554	
-1.5	-1.75	1.88	1.62	5.86	25	-0.090	1,375	0.386	
-1	-1.25	2.52	2.18	8.04	50	0.650	-0.342	2,823	
-0.75	-0.875	2.04	1.76	9.80	75	1.930	2.09	9.60	
-0.5	-0.625	4.53	3.91	13.72	84	2.320	2.27	14.68	
-0.25	-0.375	5.10	4.41	18.12	95	2.745	2.42	20.9	
0	-0.125	6.53	5.64	23.77	99	3.135	2.78	12.39	
0.25	0.125	9.57	8.27	32.04			2.63	2.27	14.68
0.5	0.375	10.64	9.20	41.23			4.91	4.23	18.89
0.75	0.625	9.13	7.89	49.12			8.94	7.71	57.75
1	0.875	10.17	8.79	57.91			8.04	6.93	66.90
1.25	1.125	5.83	5.04	62.95			8.28	7.14	73.16
1.5	1.375	5.44	4.70	67.65			3.38	2.91	96.95
1.75	1.625	3.13	2.71	70.36			2.41	2.08	99.03
2	1.875	4.16	3.60	73.95			0.72	0.62	99.65
2.25	2.125	5.35	4.62	78.58			0.27	0.23	99.88
2.5	2.375	8.05	6.96	85.53			0.14	0.12	100.00
2.75	2.625	9.03	7.80	93.34					
3	2.875	3.96	3.42	96.76					
3.25	3.125	2.56	2.21	98.97					
3.5	3.375	0.73	0.63	99.60					
3.75	3.625	0.30	0.26	99.86					
>4.0	4.125	0.16	0.14	100.00					



Class Limits	Mid Point (e)	(e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)		
-4	-4.5	0.00	0.00	0.00	0.00	1	-2.330		
-3	-3.5	0.00	0.00	0.00	0.00	5	-0.225		
-2	-2.5	0.99	0.85	0.85	16	1.290	2.200	0.218	
-1.5	-1.75	0.78	0.67	1.52	25	1.965	1,042	0.486	
-1	-1.25	0.60	0.52	2.03	50	2.405	-2.072	7.735	
-0.75	-0.875	0.51	0.44	2.47	75	2.635	2.09	9.60	
-0.5	-0.625	1.13	0.97	3.44	84	2.800	2.27	14.68	
-0.25	-0.375	1.04	0.89	4.34	95	3.065	2.42	20.9	
0	-0.125	1.28	1.10	5.43	99	3.345	2.78	12.39	
0.25	0.125	1.75	1.50	6.94			2.63	2.27	14.68
0.5	0.375	2.02	1.73	8.67			4.91	4.23	18.89
0.75	0.625	1.90	1.63	10.30			8.94	7.71	57.75
1	0.875	2.73	2.34	12.65			8.04	6.93	66.90
1.25	1.125	2.16	1.85	14.50			8.28	7.14	73.16
1.5	1.375	2.64	2.27	16.77			3.38	2.91	96.95
1.75	1.625	2.18	1.87	18.64			2.41	2.08	99.03
2	1.875	4.30	3.69	22.33			0.72	0.62	99.65
2.25	2.125	8.63	7.41	29.74			0.27	0.23	99.88
2.5	2.375	19.81	17.01	46.75			0.14	0.12	100.00
2.75	2.625	32.20	27.65	74.40					
3	2.875	15.95	13.69	88.09					
3.25	3.125	10.67	9.16	97.25					
3.5	3.375	2.30	1.97	99.23					
3.75	3.625	0.66	0.57	99.79					
>4.0	4.125	0.24	0.21	100.00					



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Feb 2017  
**Station** Groin 2-100  
**Sample** Berm Composite

**Mean** 0.629 mm  
**STD** 0.371 mm  
**Skewness** -0.410

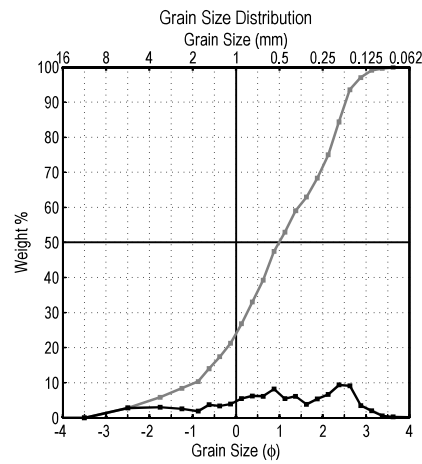
**USCS** Wentworth

**SP** Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic

**Total weight (gram)** 116.57  
**% finer than 0.0625 mm** 0.10  
**% coarser than 2.00 mm** 11.38  
**CaCO3** 35.0

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1 -3,355	Mean 0.668 0.629
-3	-3.5	0.00	0.00	0.00	0.00	5 -2,765	Standard Deviation 1.432 0.371
-2	-2.5	7.94	6.81	6.81	16 -0,740	Skewness -0.410	
-1.5	-1.75	2.67	2.29	9.10	25 -0,240	Kurtosis 2.793	
-1	-1.25	2.65	2.27	11.38		Dispersion	
-0.75	-0.875	2.63	2.26	13.63	50 0.580	Standard Deviation	
-0.5	-0.625	5.06	4.34	17.97	75 1.625	Deviation from Normal	
-0.25	-0.375	4.70	4.03	22.00	84 2.180		
0	-0.125	6.49	5.57	27.57	95 2.625		
0.25	0.125	9.01	7.73	35.30	99 3.075		
0.5	0.375	9.90	8.49	43.79			
0.75	0.625	8.85	7.59	51.39			
1	0.875	10.88	9.16	60.55			
1.25	1.125	6.61	5.67	66.22			
1.5	1.375	6.68	5.73	71.95			
1.75	1.625	3.59	3.08	75.03			
2	1.875	4.32	3.71	78.73			
2.25	2.125	4.68	4.01	82.75			
2.5	2.375	6.74	5.78	88.53			
2.75	2.625	7.51	6.44	94.97			
3	2.875	3.23	2.77	97.74			
3.25	3.125	1.81	1.55	99.30			
3.5	3.375	0.49	0.42	99.72			
3.75	3.625	0.21	0.18	99.90			
>4.0	4.125	0.12	0.10	100.00			

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.720	0.673
Standard Deviation	1.460	1.547
Skewness (1)	0.096	-0.073
Skewness (2)	-0.445	
Kurtosis	0.846	1.184



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Feb 2017  
**Station** Groin 1+100  
**Sample** Berm Composite

**Mean** 0.486 mm  
**STD** 0.384 mm  
**Skewness** -0.561

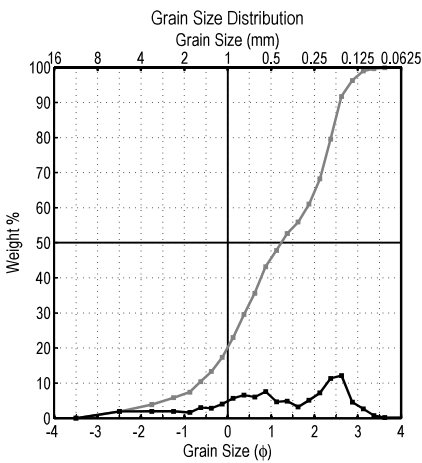
**USCS** Wentworth

**SP** Medium Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

**Total weight (gram)** 115.89  
**% finer than 0.0625 mm** 0.15  
**% coarser than 2.00 mm** 8.41  
**CaCO3** 31.5

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1 -3,145	Mean 1.041 0.486
-3	-3.5	0.00	0.00	0.00	0.00	5 -1,960	Standard Deviation 1.380 0.384
-2	-2.5	3.27	2.82	2.82	16 -0,480	Skewness -0.561	
-1.5	-1.75	3.52	3.04	5.86	25 0,045	Kurtosis 2.748	
-1	-1.25	2.96	2.55	8.41		Dispersion	
-0.75	-0.875	2.21	1.91	10.32	50 0,995	Standard Deviation	
-0.5	-0.625	4.29	3.70	14.02	75 2,125	Deviation from Normal	
-0.25	-0.375	3.89	3.36	17.38	84 2,365		
0	-0.125	4.55	3.93	21.30	95 2,730		
0.25	0.125	6.36	5.49	26.79	99 3,125		
0.5	0.375	7.25	6.26	33.05			
0.75	0.625	7.12	6.14	39.19			
1	0.875	9.53	8.22	47.42			
1.25	1.125	6.34	5.47	52.89			
1.5	1.375	7.15	6.17	59.06			
1.75	1.625	4.46	3.85	62.90			
2	1.875	6.27	5.41	68.31			
2.25	2.125	7.71	6.65	74.97			
2.5	2.375	10.85	9.38	84.33			
2.75	2.625	10.63	9.17	93.50			
3	2.875	4.03	3.48	96.98			
3.25	3.125	2.37	2.05	99.02			
3.5	3.375	0.65	0.56	99.59			
3.75	3.625	0.31	0.27	99.85			
>4.0	4.125	0.17	0.15	100.00			

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.943	0.960
Standard Deviation	1.422	1.423
Skewness (1)	-0.037	-0.148
Skewness (2)	-0.427	
Kurtosis	0.650	0.925



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Feb 2017  
**Station** SP 1+00  
**Sample** Berm Composite

**Mean** 0.423 mm  
**STD** 0.397 mm  
**Skewness** -0.623

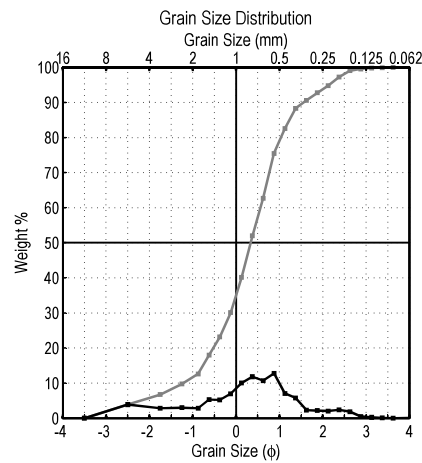
**USCS** Wentworth

**SP** Medium Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

**Total weight (gram)** 119.19  
**% finer than 0.0625 mm** 0.13  
**% coarser than 2.00 mm** 5.81  
**CaCO3** 25.0

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1 -2,975	Mean 1.242 0.423
-3	-3.5	0.00	0.00	0.00	0.00	5 -1,460	Standard Deviation 1.333 0.397
-2	-2.5	2.27	1.90	1.90	16 -0,210	Skewness -0.623	
-1.5	-1.75	2.34	1.96	3.87	25 0,200	Kurtosis 2.807	
-1	-1.25	2.31	1.94	5.81		Dispersion	
-0.75	-0.875	1.92	1.61	7.42	50 1,235	Standard Deviation	
-0.5	-0.625	3.63	3.05	10.46	75 2,275	Deviation from Normal	
-0.25	-0.375	3.40	2.85	13.31	84 2,465		
0	-0.125	4.80	4.03	17.34	95 2,805		
0.25	0.125	6.74	5.65	23.00	99 3,140		
0.5	0.375	7.83	6.57	29.57			
0.75	0.625	7.20	6.04	35.61			
1	0.875	9.01	7.56	43.17			
1.25	1.125	5.54	4.65	47.81			
1.5	1.375	5.80	4.87	52.68			
1.75	1.625	3.79	3.18	55.86			
2	1.875	6.10	5.12	60.98			
2.25	2.125	8.58	7.20	68.18			
2.5	2.375	13.52	11.34	79.52			
2.75	2.625	14.52	12.18	91.70			
3	2.875	5.44	4.58	96.27			
3.25	3.125	3.21	2.69	98.96			
3.5	3.375	0.83	0.70	99.66			
3.75	3.625	0.25	0.21	99.87			
>4.0	4.125	0.16	0.13	100.00			

Graphic Phi Parameters	Inman	Folk & Ward
Mean	1.127	1.163
Standard Deviation	1.337	1.315
Skewness (1)	-0.080	-0.172
Skewness (2)	-0.421	
Kurtosis	0.594	0.842



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Feb 2017  
**Station** SP 4+00  
**Sample** Berm Composite

**Mean** 0.769 mm  
**STD** 0.464 mm  
**Skewness** -0.405

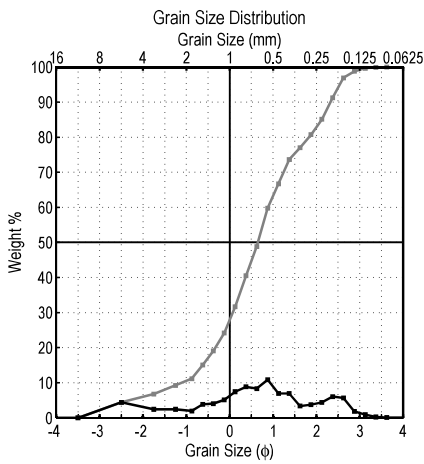
**USCS** Wentworth

**SP** Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic

**Total weight (gram)** 118.50  
**% finer than 0.0625 mm** 0.05  
**% coarser than 2.00 mm** 9.76  
**CaCO3** 36.6

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1 -3,245	Mean 0.380 0.769
-3	-3.5	0.00	0.00	0.00	0.00	5 -2,210	Standard Deviation 1.107 0.464
-2	-2.5	4.61	3.89	3.89	16 -0,715	Skewness -0.405	
-1.5	-1.75	3.40	2.87	6.76	25 -0,310	Kurtosis 3.649	
-1	-1.25	3.55	3.00	9.76		Dispersion	
-0.75	-0.875	3.40	2.87	12.62	50 0,335	Standard Deviation	
-0.5	-0.625	6.30	5.32	17.94	75 0,865	Deviation from Normal	
-0.25	-0.375	6.17	5.21	23.15	84 1,190		
0	-0.125	8.25	6.96	30.11	95 2,145		
0.25	0.125	11.88	10.03	40.14	99 2,620		
0.5	0.375	14.02	11.83	51.97			
0.75	0.625	12.68	10.70	62.67			
1	0.875	15.15	12.78	75.45			
1.25	1.125	8.37	7.06	82.51			
1.5	1.375	6.85	5.78	88.30			
1.75	1.625	2.70	2.28	90.57			
2	1.875	2.56	2.16	92.73			
2.25	2.125	2.44	2.06	94.79			
2.5	2.375	2.83	2.39	97.18			
2.75	2.625	2.21	1.86	99.05			
3	2.875	0.80	0.51	99.55			
3.25	3.125	0.30	0.25	99.81			
3.5	3.375	0.12	0.10	99.91			
3.75	3.625	0.05	0.04	99.95			
>4.0	4.125	0.06	0.05	100.00			

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.238	0.270
Standard Deviation	0.952	1.136
Skewness (1)	-0.102	-0.136
Skewness (2)	-0.386	
Kurtosis	1.286	1.519



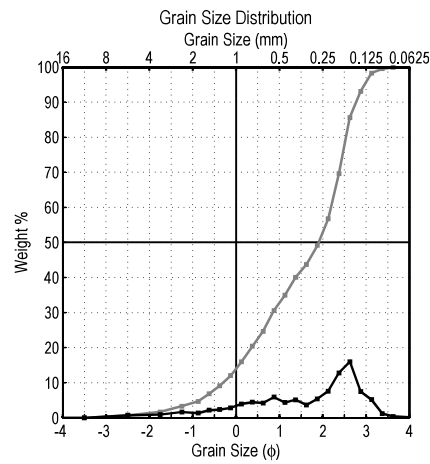
Project 2434  
Location Edisto Beach, SC  
Date Feb 2017  
Station SP 5+00  
Sample Berm Composite

Mean 0.605 mm  
STD 0.406 mm  
Skewness -0.465

USCS Wentworth

SP Coarse Sand  
Medium Sand Poorly Sorted  
Poorly Graded Coarse Skewed  
Mesokurtic

Total weight (gram) 120.54  
% finer than 0.0625 mm 0.06  
% coarser than 2.00 mm 9.23  
CaCO3 32.3



Project 2434  
Location Edisto Beach, SC  
Date Feb 2017  
Station SP 7+00  
Sample Berm Composite

Mean 0.327 mm  
STD 0.423 mm  
Skewness -0.854

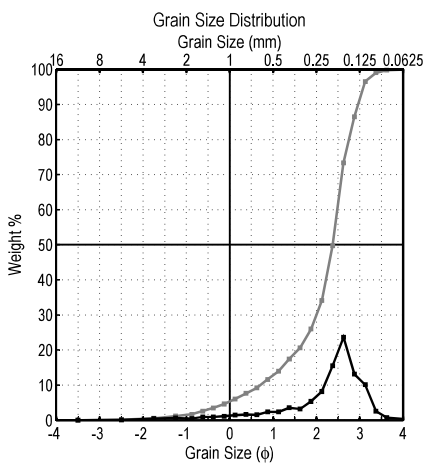
USCS Wentworth

SP Medium Sand  
Fine Sand Poorly Sorted  
Poorly Graded Coarse Skewed  
Mesokurtic

Total weight (gram) 120.72  
% finer than 0.0625 mm 0.13  
% coarser than 2.00 mm 3.31  
CaCO3 27.9

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures	(phi)	(mm)
-4	-4.5	0.00	0.00	0.00	1 -3.270	Mean	0.725	0.605
-3	-3.5	0.00	0.00	0.00	5 -2.310	Standard Deviation	1.299	0.406
-2	-2.5	5.28	4.38	4.38	16 -0.565	Skewness	-0.465	
-1.5	-1.75	2.93	2.43	6.81	25 -0.100	Kurtosis	3.082	
-1	-1.25	2.92	2.42	9.23	50 0.650	Dispersion		
-0.75	-0.875	2.36	1.96	11.19	Standard Deviation			
-0.5	-0.625	4.62	3.83	15.02	75 1.490	Deviation from Normal		
-0.25	-0.375	4.88	4.05	19.97	84 2.060			
0	-0.125	6.20	5.14	24.22	95 2.540			
0.25	0.125	8.99	7.46	31.67	99 2.955			
0.5	0.375	10.65	8.84	40.51	Graphic Phi Parameters	Inman	Folk & Ward	
0.75	0.625	10.05	8.34	48.85		1952	1957	
1	0.875	13.13	10.89	59.74	Mean	0.748	0.715	
1.25	1.125	8.37	6.94	66.68	Standard Deviation	1.313	1.391	
1.5	1.375	8.36	6.94	73.62	Skewness (1)	0.074	-0.073	
1.75	1.625	4.04	3.35	76.97	Skewness (2)	-0.408		
2	1.875	4.54	3.77	80.74	Kurtosis	0.848	1.258	
2.25	2.125	5.27	4.37	85.11				
2.5	2.375	7.33	6.08	91.19				
2.75	2.625	6.86	5.69	96.88				
3	2.875	2.21	1.83	98.71				
3.25	3.125	1.10	0.91	99.63				
3.5	3.375	0.31	0.26	99.88				
3.75	3.625	0.07	0.06	99.94				
>4.0	4.125	0.07	0.06	100.00				

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures	(phi)	(mm)
-4	-4.5	0.00	0.00	0.00	1 -2.280	Mean	1.613	0.327
-3	-3.5	0.00	0.00	0.00	5 -0.840	Standard Deviation	1.241	0.423
-2	-2.5	0.88	0.73	0.73	16 0.125	Skewness	-0.854	
-1.5	-1.75	1.12	0.93	1.66	25 0.640	Kurtosis	3.098	
-1	-1.25	2.00	1.66	3.31	50 1.905	Dispersion		
-0.75	-0.875	1.65	1.37	4.68	Standard Deviation			
-0.5	-0.625	2.63	2.18	6.86	75 2.460	Deviation from Normal		
-0.25	-0.375	2.80	2.32	9.18	84 2.600			
0	-0.125	4.43	3.64	12.02	95 2.970			
0.25	0.125	4.78	3.96	15.98	99 3.280			
0.5	0.375	5.36	4.44	20.42	Graphic Phi Parameters	Inman	Folk & Ward	
0.75	0.625	5.10	4.22	24.64		1952	1957	
1	0.875	7.14	5.91	30.56	Mean	1.362	1.543	
1.25	1.125	5.25	4.35	34.91	Standard Deviation	1.237	1.196	
1.5	1.375	6.20	5.14	40.04	Skewness (1)	-0.438	-0.440	
1.75	1.625	4.41	3.65	43.70	Skewness (2)	-0.679		
2	1.875	6.56	5.43	49.13	Kurtosis	0.539	0.858	
2.25	2.125	9.20	7.62	56.75				
2.5	2.375	15.47	12.81	69.57				
2.75	2.625	19.31	16.00	85.56				
3	2.875	9.05	7.50	93.06				
3.25	3.125	6.26	5.19	98.24				
3.5	3.375	1.45	1.20	99.44				
3.75	3.625	0.51	0.42	99.87				
>4.0	4.125	0.16	0.13	100.00				



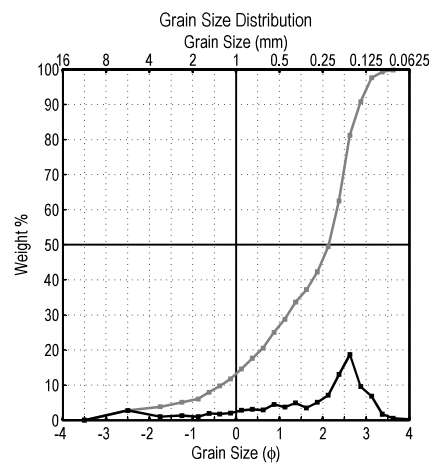
Project 2434  
Location Edisto Beach, SC  
Date Feb 2017  
Station SP 9+00  
Sample Berm Composite

Mean 0.216 mm  
STD 0.514 mm  
Skewness -1.676

USCS Wentworth

SP Fine Sand  
Fine Sand Moderately Sorted  
Poorly Graded Strongly Coarse Skewed  
Leptokurtic

Total weight (gram) 115.96  
% finer than 0.0625 mm 0.25  
% coarser than 2.00 mm 1.18  
CaCO3 20.8



Project 2434  
Location Edisto Beach, SC  
Date Feb 2017  
Station SP 10+00  
Sample Berm Composite

Mean 0.302 mm  
STD 0.392 mm  
Skewness -1.300

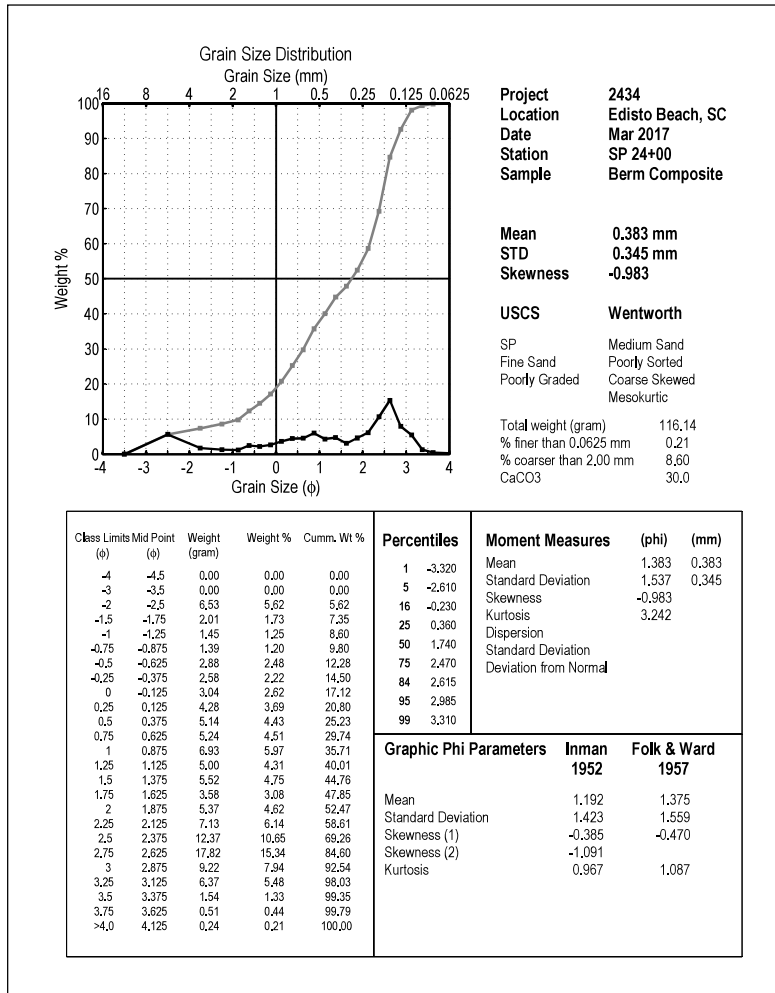
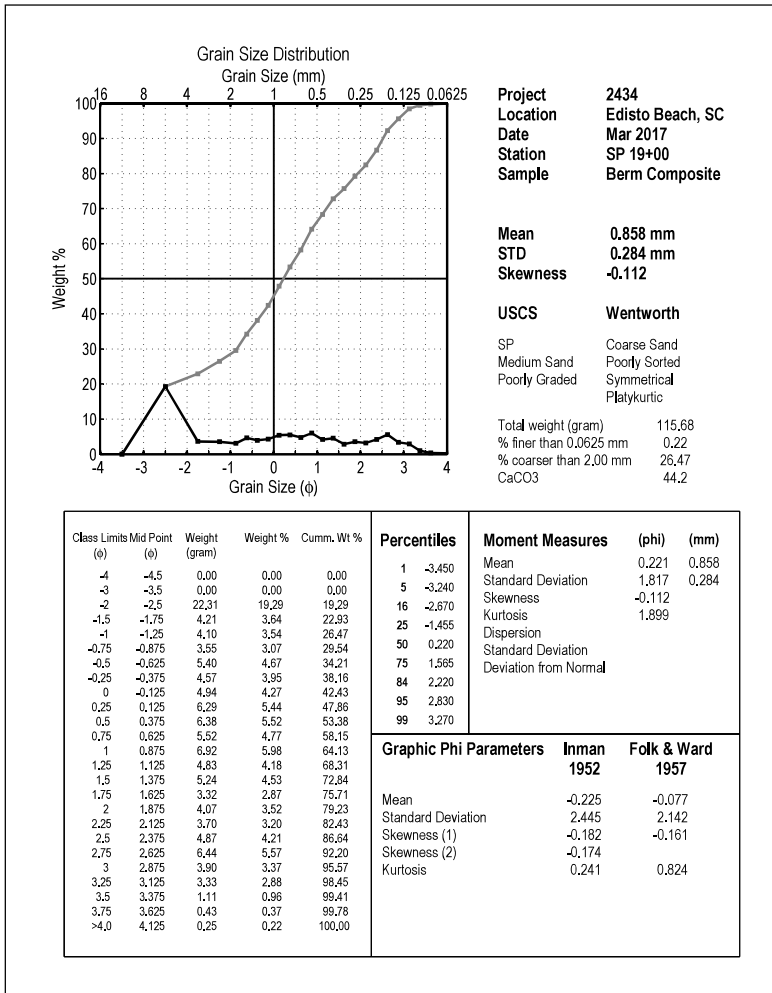
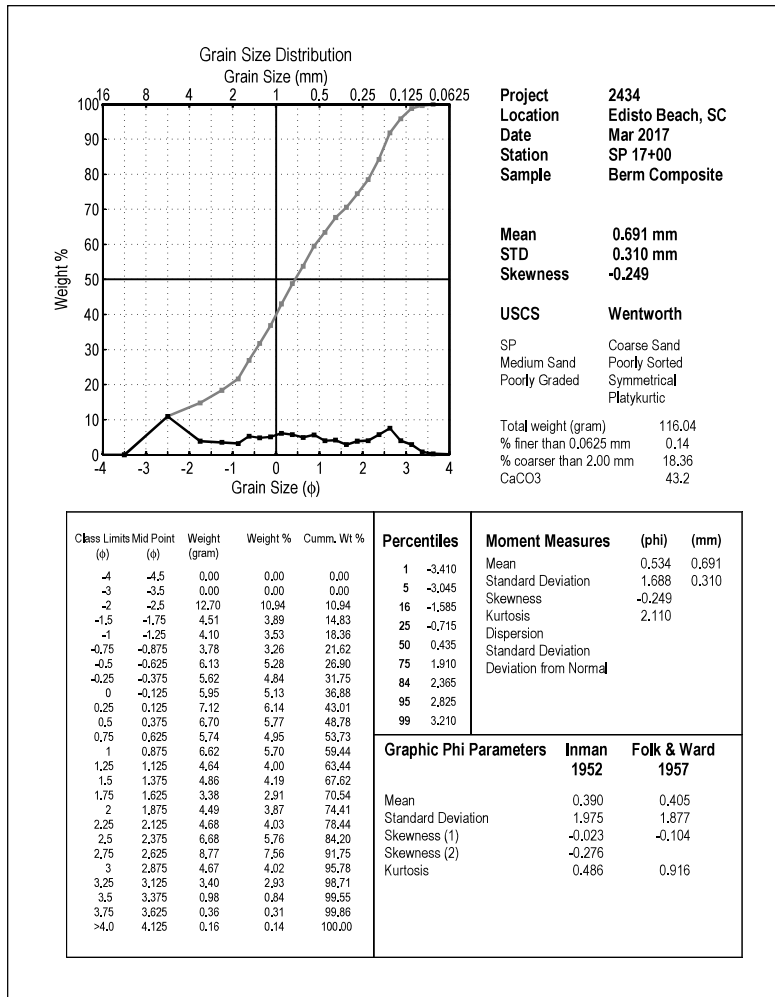
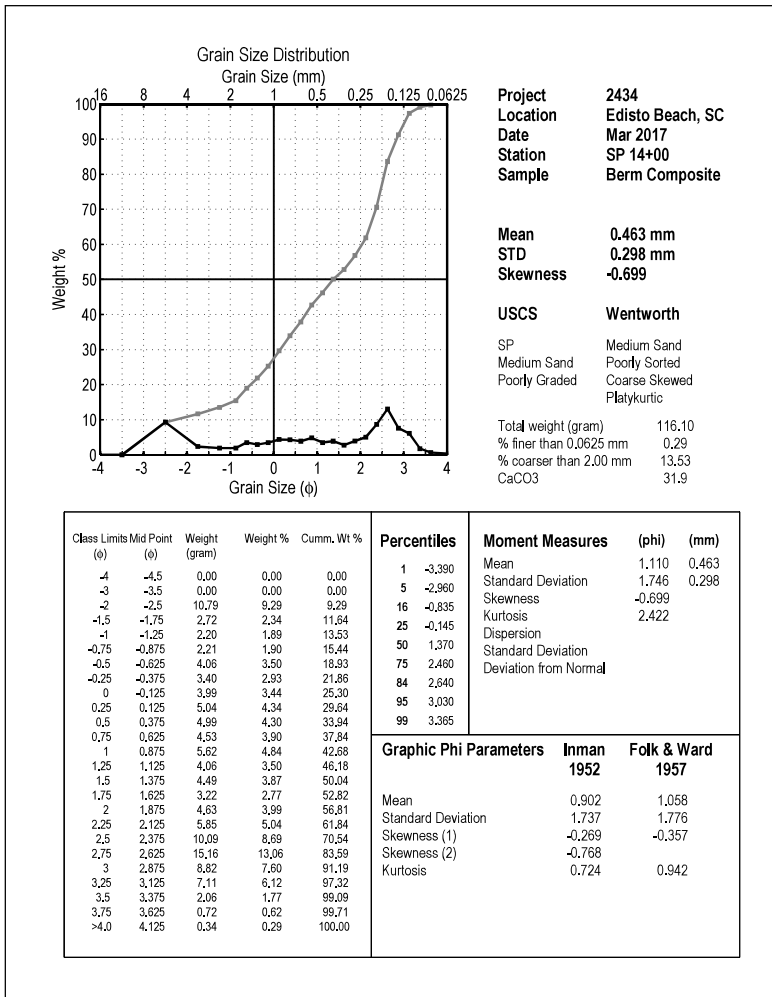
USCS Wentworth

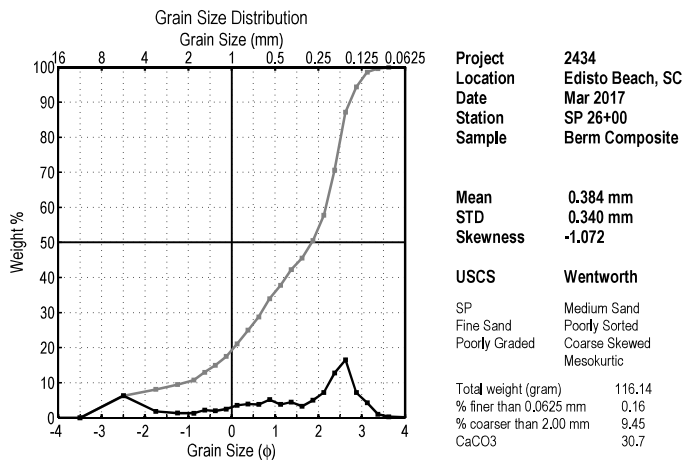
SP Medium Sand  
Fine Sand Poorly Sorted  
Poorly Graded Strongly Coarse Skewed  
Leptokurtic

Total weight (gram) 116.20  
% finer than 0.0625 mm 0.21  
% coarser than 2.00 mm 5.10  
CaCO3 23.0

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures	(phi)	(mm)
-4	-4.5	0.00	0.00	0.00	1 -1.390	Mean	2.209	0.216
-3	-3.5	0.00	0.00	0.00	5 -0.060	Standard Deviation	0.960	0.514
-2	-2.5	0.11	0.09	0.09	16 1.270	Skewness	-1.676	
-1.5	-1.75	0.51	0.44	0.53	25 1.830	Kurtosis	6.039	
-1	-1.25	0.75	0.65	1.18	50 2.380	Dispersion		
-0.75	-0.875	0.54	0.47	1.65	Standard Deviation			
-0.5	-0.625	1.09	0.94	2.59	75 2.655	Deviation from Normal		
-0.25	-0.375	1.08	0.91	3.50	84 2.830			
0	-0.125	1.30	1.12	4.62	95 3.090			
0.25	0.125	1.65	1.42	6.05	99 3.370			
0.5	0.375	1.87	1.61	7.66	Graphic Phi Parameters	Inman	Folk & Ward	
0.75	0.625	1.79	1.54	9.20		1952	1957	
1	0.875	2.77	2.39	11.59	Mean	2.050	2.160	
1.25	1.125	2.69	2.32	13.91	Standard Deviation	0.780	0.867	
1.5	1.375	4.11	3.54	17.45	Skewness (1)	-0.423	-0.486	
1.75	1.625	3.69	3.18	20.64	Skewness (2)	-1.109		
2	1.875	6.17	5.32	25.96	Kurtosis	1.019	1.565	
2.25	2.125	9.49	8.18	34.14				
2.5	2.375	18.04	15.56	49.70				
2.75	2.625	27.38	23.61	73.31				
3	2.875	15.19	13.10	86.41				
3.25	3.125	11.71	10.10	96.51				
3.5	3.375	2.95	2.54	99.05				
3.75	3.625	0.81	0.70	99.75				
>4.0	4.125	0.29	0.25	100.00				

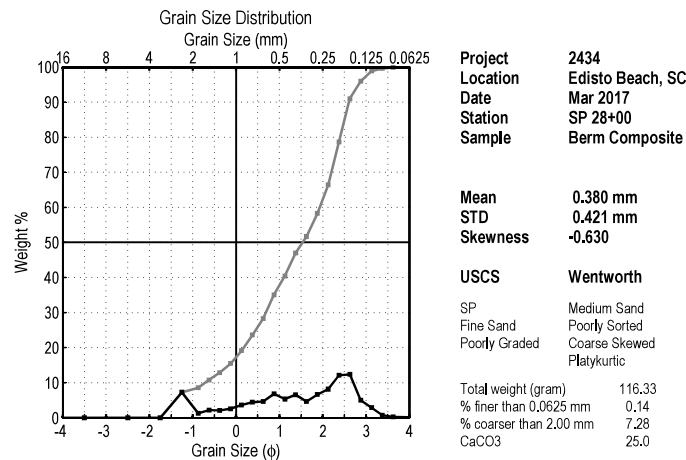
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures	(phi)	(mm)
-4	-4.5	0.00	0.00	0.00	1 -3.140	Mean	1.727	0.302
-3	-3.5	0.00	0.00	0.00	5 -1.290	Standard Deviation	1.351	0.392
-2	-2.5	3.23	2.78	2.78	16 0.240	Skewness	-1.300	
-1.5	-1.75	1.19	1.02	3.80	25 0.875	Kurtosis	4.263	
-1	-1.25	1.51	1.30	5.10	50 2.135	Dispersion		
-0.75	-0.875	1.14	0.98	6.08	Standard Deviation			
-0.5	-0.625	2.20	1.89	7.98	75 2.540	Deviation from Normal		
-0.25	-0.375	2.07	1.78	9.76	84 2.700			
0	-0.125	2.36	2.03	11.79	95 3.030			
0.25	0.125	3.25	2.80	14.59	99 3.335			
0.5	0.375	3.58	3.08	17.67	Graphic Phi Parameters	Inman	Folk & Ward	
0.75	0.625	3.36	2.89	20.56		1952	1957	
1	0.875	5.20	4.48	25.03	Mean	1.470	1.692	
1.25	1.125	4.32	3.72	28.75	Standard Deviation	1.230	1.270	
1.5	1.375	5.73	4.93	33.68	Skewness (1)	-0.541	-0.563	
1.75	1.625	4.08	3.51	37.19	Skewness (2)	-1.028		
2	1.875	5.93	5.10	42.30	Kurtosis	0.756	1.063	
2.25	2.125	8.29	7.13	49.43				
2.5	2.375	15.13	13.02	62.45				
2.75	2.625	21.78	18.74	81.20				
3	2.875	11.10	9.55	90.75				
3.25	3.125	7.93	6.82	97.57				
3.5	3.375	1.97	1.70	99.27				
3.75	3.625	0.61	0.52	99.79				
>4.0	4.125	0.24	0.21	100.00				





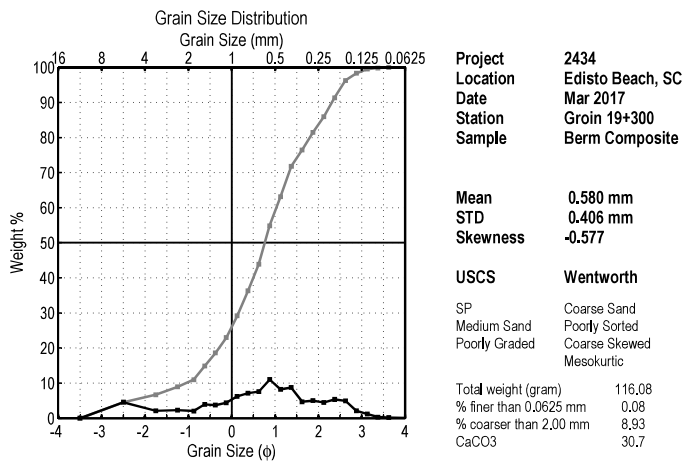
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	1	Mean	1.381 0.384
-3	-3.5	0.00	0.00	0.00	5	Standard Deviation	1.556 0.340
-2	-2.5	7.29	6.28	6.28	16	Skewness	-1.072
-1.5	-1.75	2.12	1.83	8.10	25	Kurtosis	3.318
-1	-1.25	1.56	1.34	9.45	50	Dispersion	
-0.75	-0.875	1.51	1.30	10.75	75	Standard Deviation	
-0.5	-0.625	2.59	2.23	12.98	84	Deviation from Normal	
-0.25	-0.375	2.94	2.01	14.99	95		
0	-0.125	2.91	2.51	17.50	99		
0.25	0.125	4.15	3.57	21.07			
0.5	0.375	4.57	3.93	25.00			
0.75	0.625	4.39	3.78	28.78			
1	0.875	6.00	5.17	33.95			
1.25	1.125	4.40	3.79	37.74			
1.5	1.375	5.23	4.50	42.24			
1.75	1.625	3.81	3.28	45.52			
2	1.875	5.87	5.05	50.58			
2.25	2.125	8.34	7.18	57.76			
2.5	2.375	14.88	12.81	70.57			
2.75	2.625	19.14	16.49	87.05			
3	2.875	8.37	7.21	94.26			
3.25	3.125	4.94	4.25	98.51			
3.5	3.375	1.15	0.99	99.50			
3.75	3.625	0.39	0.34	99.84			
>4.0	4.125	0.19	0.16	100.00			

Graphic Phi Parameters	Inman	Folk & Ward
Mean	1.152	1.383
Standard Deviation	1.428	1.566
Skewness (1)	-0.485	-0.551
Skewness (2)	-1.217	
Kurtosis	0.970	1.116



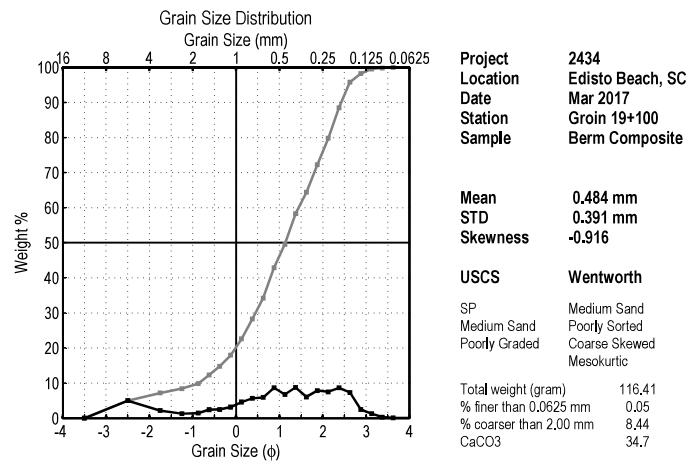
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	1	Mean	1.394 0.380
-3	-3.5	0.00	0.00	0.00	5	Standard Deviation	1.249 0.421
-2	-2.5	0.00	0.00	0.00	16	Skewness	-0.630
-1.5	-1.75	0.00	0.00	0.00	25	Kurtosis	2.445
-1	-1.25	8.47	7.28	7.28	50	Dispersion	
-0.75	-0.875	1.47	1.26	8.54	75	Standard Deviation	
-0.5	-0.625	2.59	2.23	10.77	84	Deviation from Normal	
-0.25	-0.375	2.46	2.11	12.89	95		
0	-0.125	3.03	2.60	15.49	99		
0.25	0.125	4.27	3.67	19.16			
0.5	0.375	5.16	4.44	23.60			
0.75	0.625	5.41	4.65	28.25			
1	0.875	7.96	6.84	35.09			
1.25	1.125	6.21	5.34	40.43			
1.5	1.375	7.65	6.58	47.00			
1.75	1.625	5.42	4.66	51.66			
2	1.875	7.70	6.62	58.28			
2.25	2.125	9.49	8.16	66.44			
2.5	2.375	14.15	12.16	78.60			
2.75	2.625	14.40	12.38	90.98			
3	2.875	5.79	4.98	95.96			
3.25	3.125	3.36	2.89	98.85			
3.5	3.375	0.87	0.75	99.60			
3.75	3.625	0.31	0.27	99.86			
>4.0	4.125	0.16	0.14	100.00			

Graphic Phi Parameters	Inman	Folk & Ward
Mean	1.198	1.310
Standard Deviation	1.287	1.285
Skewness (1)	-0.262	-0.326
Skewness (2)	-0.641	
Kurtosis	0.643	0.937



Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	1	Mean	0.786 0.580
-3	-3.5	0.00	0.00	0.00	5	Standard Deviation	1.301 0.406
-2	-2.5	5.26	4.53	4.53	16	Skewness	-0.577
-1.5	-1.75	2.47	2.13	6.66	25	Kurtosis	3.214
-1	-1.25	2.64	2.27	8.93	50	Dispersion	
-0.75	-0.875	2.36	2.03	10.97	75	Standard Deviation	
-0.5	-0.625	4.54	3.91	14.88	84	Deviation from Normal	
-0.25	-0.375	4.30	3.70	18.58	95		
0	-0.125	5.11	4.40	22.98	99		
0.25	0.125	7.18	6.19	29.17			
0.5	0.375	8.30	7.15	36.32			
0.75	0.625	8.77	7.56	43.87			
1	0.875	12.75	10.98	54.86			
1.25	1.125	9.53	8.21	63.07			
1.5	1.375	10.15	8.74	71.81			
1.75	1.625	5.43	4.68	76.49			
2	1.875	5.80	5.00	81.49			
2.25	2.125	5.18	4.46	85.95			
2.5	2.375	6.22	5.36	91.31			
2.75	2.625	5.71	4.92	96.23			
3	2.875	2.40	2.07	98.29			
3.25	3.125	1.37	1.18	99.47			
3.5	3.375	0.37	0.32	99.79			
3.75	3.625	0.15	0.13	99.92			
>4.0	4.125	0.09	0.08	100.00			

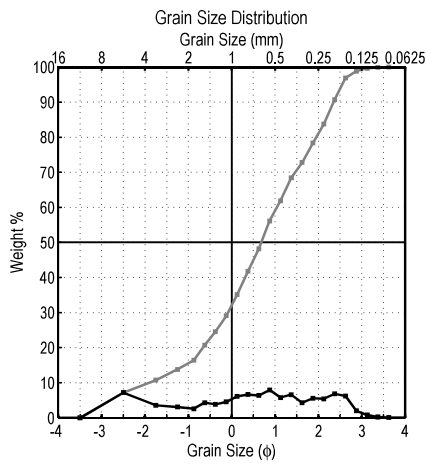
Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.732	0.743
Standard Deviation	1.282	1.384
Skewness (1)	-0.025	-0.145
Skewness (2)	-0.507	
Kurtosis	0.910	1.263



Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	1	Mean	1.048 0.484
-3	-3.5	0.00	0.00	0.00	5	Standard Deviation	1.354 0.391
-2	-2.5	5.81	4.99	4.99	16	Skewness	-0.916
-1.5	-1.75	2.54	2.18	7.17	25	Kurtosis	3.503
-1	-1.25	1.47	1.26	8.44	50	Dispersion	
-0.75	-0.875	1.66	1.43	9.86	75	Standard Deviation	
-0.5	-0.625	2.83	2.43	12.29	84	Deviation from Normal	
-0.25	-0.375	2.94	2.53	14.82	95		
0	-0.125	3.67	3.15	17.97	99		
0.25	0.125	5.39	4.63	22.60			
0.5	0.375	6.63	5.70	28.30			
0.75	0.625	6.85	5.88	34.18			
1	0.875	10.08	8.66	42.84			
1.25	1.125	7.84	6.73	49.57			
1.5	1.375	10.19	8.75	58.33			
1.75	1.625	7.07	6.07	64.40			
2	1.875	9.17	7.88	72.28			
2.25	2.125	8.74	7.51	79.79			
2.5	2.375	10.08	8.66	88.45			
2.75	2.625	8.49	7.29	95.74			
3	2.875	2.89	2.48	98.22			
3.25	3.125	1.51	1.30	99.52			
3.5	3.375	0.36	0.31	99.83			
3.75	3.625	0.14	0.12	99.95			
>4.0	4.125	0.06	0.05	100.00			

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.982	1.033
Standard Deviation	1.263	1.403
Skewness (1)	-0.121	-0.273
Skewness (2)	-0.857	
Kurtosis	1.018	1.204





**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Mar 2017  
**Station** Groin 20  
**Sample** Berm Composite

**Mean** 0.634 mm  
**STD** 0.361 mm  
**Skewness** -0.515

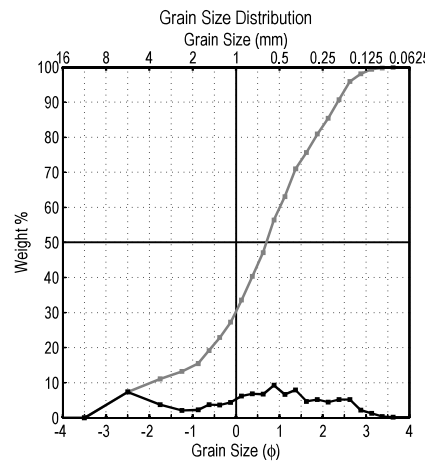
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 116.33  
 % finer than 0.0625 mm 0.05  
 % coarser than 2.00 mm 13.78  
 CaCO3 28.7

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	8.35	7.18	7.18
-1.5	-1.75	4.13	3.55	10.73
-1	-1.25	3.55	3.05	13.78
-0.75	-0.875	3.04	2.61	16.39
-0.5	-0.625	5.03	4.32	20.72
-0.25	-0.375	4.45	3.83	24.54
0	-0.125	5.25	4.51	29.06
0.25	0.125	7.11	6.11	35.17
0.5	0.375	7.72	6.64	41.80
0.75	0.625	7.40	6.36	48.16
1	0.875	9.28	7.98	56.14
1.25	1.125	6.69	5.75	61.89
1.5	1.375	7.64	6.57	68.46
1.75	1.625	5.04	4.33	72.79
2	1.875	6.47	5.56	78.35
2.25	2.125	6.31	5.42	83.78
2.5	2.375	7.95	6.83	90.61
2.75	2.625	7.26	6.24	96.85
3	2.875	2.30	1.98	98.83
3.25	3.125	0.94	0.81	99.64
3.5	3.375	0.25	0.21	99.85
3.75	3.625	0.11	0.09	99.95
>4.0	4.125	0.06	0.05	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.360	
5	-2.805	
16	-0.930	
25	-0.350	
50	0.685	
75	1.725	
84	2.135	
95	2.550	
99	2.925	

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.603	0.630
Standard Deviation	1.532	1.578
Skewness (1)	-0.054	-0.179
Skewness (2)	-0.530	
Kurtosis	0.747	1.058



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Mar 2017  
**Station** Groin 21+00  
**Sample** Berm Composite

**Mean** 0.632 mm  
**STD** 0.365 mm  
**Skewness** -0.540

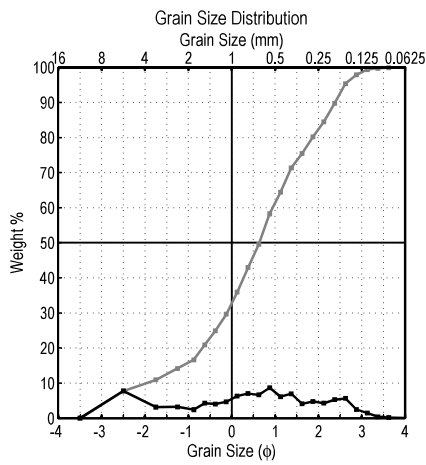
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 115.72  
 % finer than 0.0625 mm 0.11  
 % coarser than 2.00 mm 13.21  
 CaCO3 43.1

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	8.50	7.35	7.35
-1.5	-1.75	4.32	3.73	11.08
-1	-1.25	2.47	2.13	13.21
-0.75	-0.875	2.59	2.24	15.45
-0.5	-0.625	4.36	3.77	19.22
-0.25	-0.375	4.26	3.68	22.90
0	-0.125	5.07	4.38	27.28
0.25	0.125	7.22	6.24	33.52
0.5	0.375	7.91	6.84	40.36
0.75	0.625	7.91	6.73	47.09
1	0.875	10.76	9.30	56.39
1.25	1.125	7.72	6.67	63.06
1.5	1.375	9.15	7.91	70.96
1.75	1.625	5.43	4.69	75.66
2	1.875	6.05	5.23	80.88
2.25	2.125	5.20	4.49	85.38
2.5	2.375	6.05	5.23	90.61
2.75	2.625	6.01	5.19	95.80
3	2.875	2.57	2.22	98.02
3.25	3.125	1.52	1.31	99.33
3.5	3.375	0.43	0.37	99.71
3.75	3.625	0.21	0.18	99.89
>4.0	4.125	0.13	0.11	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.365	
5	-2.820	
16	-0.840	
25	-0.255	
50	0.705	
75	1.590	
84	2.050	
95	2.585	
99	3.060	

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.605	0.638
Standard Deviation	1.445	1.541
Skewness (1)	-0.089	-0.187
Skewness (2)	-0.569	
Kurtosis	0.870	1.201



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Mar 2017  
**Station** Groin 22+00  
**Sample** Berm Composite

**Mean** 0.652 mm  
**STD** 0.358 mm  
**Skewness** -0.450

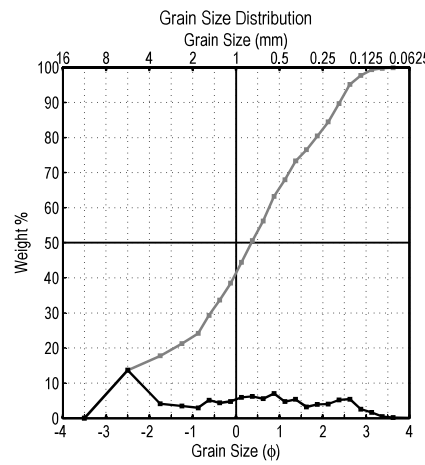
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 116.32  
 % finer than 0.0625 mm 0.09  
 % coarser than 2.00 mm 14.18  
 CaCO3 35.7

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	9.03	7.76	7.76
-1.5	-1.75	3.67	3.16	10.92
-1	-1.25	3.79	3.26	14.18
-0.75	-0.875	2.83	2.43	16.61
-0.5	-0.625	4.98	4.28	20.89
-0.25	-0.375	4.70	4.04	24.93
0	-0.125	5.45	4.69	29.62
0.25	0.125	7.35	6.32	35.94
0.5	0.375	8.14	7.00	42.93
0.75	0.625	7.69	6.61	49.54
1	0.875	10.10	8.68	58.23
1.25	1.125	7.13	6.13	64.36
1.5	1.375	8.13	6.99	71.35
1.75	1.625	4.77	4.10	75.45
2	1.875	5.55	4.77	80.22
2.25	2.125	4.97	4.27	84.49
2.5	2.375	6.09	5.24	89.73
2.75	2.625	6.55	5.63	95.36
3	2.875	2.90	2.49	97.85
3.25	3.125	1.72	1.48	99.33
3.5	3.375	0.46	0.40	99.72
3.75	3.625	0.21	0.18	99.91
>4.0	4.125	0.11	0.09	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.370	
5	-2.855	
16	-0.970	
25	-0.370	
50	0.640	
75	1.600	
84	2.095	
95	2.610	
99	3.070	

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.563	0.588
Standard Deviation	1.532	1.594
Skewness (1)	-0.051	-0.165
Skewness (2)	-0.498	
Kurtosis	0.783	1.137



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Mar 2017  
**Station** Groin 23+00  
**Sample** Berm Composite

**Mean** 0.788 mm  
**STD** 0.317 mm  
**Skewness** -0.258

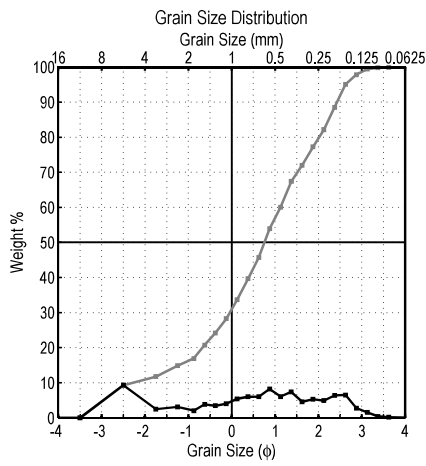
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Platykurtic

Total weight (gram) 117.02  
 % finer than 0.0625 mm 0.09  
 % coarser than 2.00 mm 21.26  
 CaCO3 49.8

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	16.00	13.67	13.67
-1.5	-1.75	4.81	4.11	17.78
-1	-1.25	4.07	3.48	21.26
-0.75	-0.875	3.42	2.92	24.18
-0.5	-0.625	6.00	5.13	29.31
-0.25	-0.375	5.11	4.37	33.68
0	-0.125	5.61	4.79	38.47
0.25	0.125	6.97	5.96	44.43
0.5	0.375	7.24	6.19	50.62
0.75	0.625	6.50	5.55	56.17
1	0.875	8.19	7.00	63.17
1.25	1.125	5.56	4.75	67.92
1.5	1.375	6.29	5.38	73.30
1.75	1.625	3.75	3.20	76.50
2	1.875	4.60	3.93	80.43
2.25	2.125	4.70	4.02	84.45
2.5	2.375	6.08	5.20	89.64
2.75	2.625	6.35	5.43	95.07
3	2.875	3.03	2.59	97.66
3.25	3.125	1.92	1.64	99.30
3.5	3.375	0.51	0.44	99.74
3.75	3.625	0.20	0.17	99.91
>4.0	4.125	0.11	0.09	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.425	
5	-3.135	
16	-2.075	
25	-0.835	
50	0.350	
75	1.510	
84	2.095	
95	2.620	
99	3.080	

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.010	0.123
Standard Deviation	2.085	1.914
Skewness (1)	-0.163	-0.187
Skewness (2)	-0.291	
Kurtosis	0.380	1.006



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Mar 2017  
**Station** Groin 24  
**Sample** Berm Composite

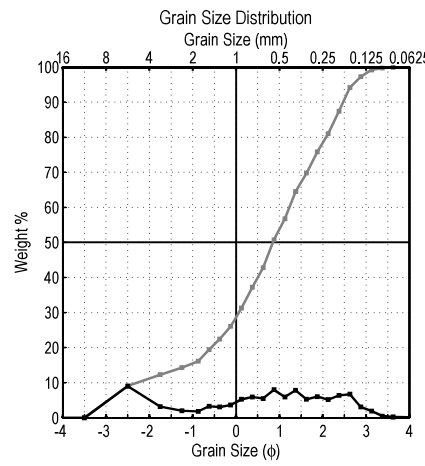
**Mean** 0.622 mm  
**STD** 0.343 mm  
**Skewness** -0.562

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 116.30  
 % finer than 0.0625 mm 0.09  
 % coarser than 2.00 mm 14.87  
 CaCO3 32.0

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1 -3.990	Mean	0.686 0.622
-3	-3.5	0.00	0.00	0.00	5 -2.960	Standard Deviation	1.543 0.343
-2	-2.5	10.78	9.27	9.27	16 -1.040	Skewness	-0.562
-1.5	-1.75	2.88	2.48	11.75	25 -0.325	Kurtosis	2.578
-1	-1.25	3.63	3.12	14.87	50 0.755	Dispersion	
-0.75	-0.875	2.35	2.02	16.89	Standard Deviation		
-0.5	-0.625	4.49	3.86	20.75	75 1.770	Deviation from Normal	
-0.25	-0.375	4.03	3.47	24.21			
0	-0.125	4.70	4.04	28.25	84 2.200		
0.25	0.125	6.33	5.44	33.70	95 2.625		
0.5	0.375	6.94	5.97	39.66	99 3.065		
0.75	0.625	7.00	6.02	45.68			
1	0.875	9.57	8.23	53.91			
1.25	1.125	7.05	6.06	59.98			
1.5	1.375	8.61	7.40	67.38			
1.75	1.625	5.33	4.58	71.96			
2	1.875	6.15	5.29	77.25			
2.25	2.125	5.69	4.89	82.14			
2.5	2.375	7.39	6.35	88.50			
2.75	2.625	7.58	6.52	95.01			
3	2.875	3.24	2.79	97.80			
3.25	3.125	1.82	1.56	99.36			
3.5	3.375	0.45	0.39	99.75			
3.75	3.625	0.19	0.16	99.91			
>4.0	4.125	0.10	0.09	100.00			

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.580	0.638
Standard Deviation	1.620	1.656
Skewness (1)	-0.108	-0.219
Skewness (2)	-0.569	
Kurtosis	0.724	1.093



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Mar 2017  
**Station** Groin 25  
**Sample** Berm Composite

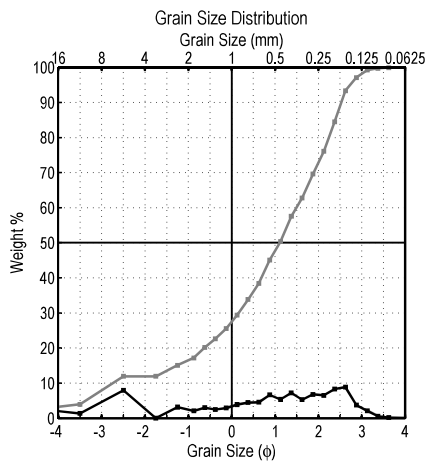
**Mean** 0.589 mm  
**STD** 0.340 mm  
**Skewness** -0.632

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 115.82  
 % finer than 0.0625 mm 0.12  
 % coarser than 2.00 mm 14.29  
 CaCO3 26.2

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1 -3.990	Mean	0.764 0.589
-3	-3.5	0.00	0.00	0.00	5 -2.960	Standard Deviation	1.556 0.340
-2	-2.5	10.49	9.06	9.06	16 -0.900	Skewness	-0.632
-1.5	-1.75	3.75	3.24	12.29	25 -0.200	Kurtosis	2.652
-1	-1.25	2.31	1.99	14.29	50 0.850	Dispersion	
-0.75	-0.875	2.12	1.83	16.12	Standard Deviation		
-0.5	-0.625	3.79	3.27	19.39	75 1.840	Deviation from Normal	
-0.25	-0.375	3.53	3.05	22.44			
0	-0.125	4.19	3.62	26.06	84 2.240		
0.25	0.125	6.08	5.25	31.31	95 2.700		
0.5	0.375	6.88	5.94	37.25	99 3.105		
0.75	0.625	6.36	5.49	42.74			
1	0.875	9.26	8.00	50.73			
1.25	1.125	6.88	5.94	56.67			
1.5	1.375	9.05	7.81	64.49			
1.75	1.625	6.10	5.27	69.75			
2	1.875	7.03	6.07	75.82			
2.25	2.125	6.01	5.19	81.01			
2.5	2.375	7.37	6.38	87.39			
2.75	2.625	7.77	6.71	94.09			
3	2.875	3.62	3.13	97.21			
3.25	3.125	2.25	1.94	99.15			
3.5	3.375	0.59	0.51	99.66			
3.75	3.625	0.25	0.22	99.88			
>4.0	4.125	0.14	0.12	100.00			

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.670	0.730
Standard Deviation	1.570	1.641
Skewness (1)	-0.115	-0.230
Skewness (2)	-0.621	
Kurtosis	0.799	1.135



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Mar 2017  
**Station** Groin 26  
**Sample** Berm Composite

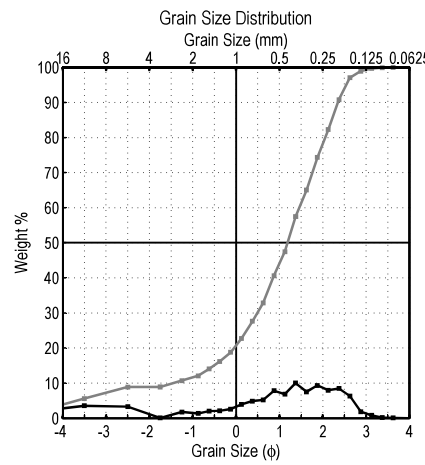
**Mean** 0.575 mm  
**STD** 0.285 mm  
**Skewness** -1.078

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 115.93  
 % finer than 0.0625 mm 0.09  
 % coarser than 2.00 mm 15.10  
 CaCO3 29.7

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	3.02	2.61	2.61	1 -4.500	Mean	0.798 0.575
-3	-3.5	1.58	1.36	3.97	5 -3.370	Standard Deviation	1.813 0.285
-2	-2.5	9.25	7.98	11.95	16 -1.085	Skewness	-1.078
-1.5	-1.75	0.00	0.00	11.95	25 -0.170	Kurtosis	3.623
-1	-1.25	3.65	3.15	15.10	50 1.110	Dispersion	
-0.75	-0.875	2.40	2.07	17.17	Standard Deviation		
-0.5	-0.625	3.47	2.99	20.16	75 2.085	Deviation from Normal	
-0.25	-0.375	2.86	2.48	22.64	84 2.380		
0	-0.125	3.37	2.91	25.55	95 2.735		
0.25	0.125	4.48	3.86	29.41	99 3.105		
0.5	0.375	5.14	4.43	33.85			
0.75	0.625	5.24	4.52	38.37			
1	0.875	7.70	6.64	45.01			
1.25	1.125	6.17	5.32	50.33			
1.5	1.375	8.35	7.20	57.53			
1.75	1.625	6.09	5.25	62.79			
2	1.875	7.89	6.81	69.59			
2.25	2.125	7.53	6.50	76.09			
2.5	2.375	9.89	8.36	84.45			
2.75	2.625	10.29	8.88	93.32			
3	2.875	4.32	3.73	97.05			
3.25	3.125	2.48	2.14	99.19			
3.5	3.375	0.60	0.52	99.71			
3.75	3.625	0.23	0.20	99.91			
>4.0	4.125	0.11	0.09	100.00			

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.637	0.795
Standard Deviation	1.722	1.786
Skewness (1)	-0.274	-0.371
Skewness (2)	-0.829	
Kurtosis	0.772	1.110



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Mar 2017  
**Station** Groin 27  
**Sample** Berm Composite

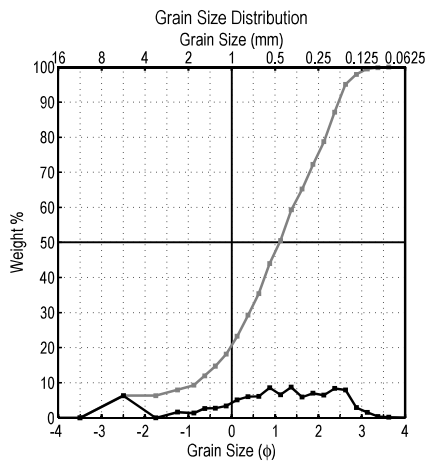
**Mean** 0.535 mm  
**STD** 0.319 mm  
**Skewness** -1.526

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Leptokurtic

Total weight (gram) 116.49  
 % finer than 0.0625 mm 0.03  
 % coarser than 2.00 mm 10.71  
 CaCO3 27.1

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	2.39	2.05	2.05	1 -4.500	Mean	0.903 0.535
-3	-3.5	4.14	3.55	5.61	5 -3.670	Standard Deviation	1.649 0.319
-2	-2.5	3.80	3.26	8.87	16 -0.395	Skewness	-1.526
-1.5	-1.75	0.06	0.05	8.92	25 0.240	Kurtosis	5.115
-1	-1.25	2.09	1.79	10.71	50 1.190	Dispersion	
-0.75	-0.875	1.59	1.36	12.08	Standard Deviation		
-0.5	-0.625	2.31	1.98	14.06	75 1.895	Deviation from Normal	
-0.25	-0.375	2.45	2.10	16.16	84 2.175		
0	-0.125	3.04	2.61	18.77	95 2.545		
0.25	0.125	4.64	3.98	22.76	99 2.900		
0.5	0.375	5.65	4.85	27.61			
0.75	0.625	6.05	5.19	32.80			
1	0.875	9.10	7.81	40.61			
1.25	1.125	7.98	6.85	47.46			
1.5	1.375	11.67	10.02	57.48			
1.75	1.625	8.77	7.53	65.01			
2	1.875	10.85	9.31	74.32			
2.25	2.125	9.26	7.95	82.27			
2.5	2.375	9.87	8.47	90.75			
2.75	2.625	7.33	6.29	97.04			
3	2.875	2.19	1.88	98.92			
3.25	3.125	0.90	0.77	99.69			
3.5	3.375	0.22	0.19	99.88			
3.75	3.625	0.11	0.09	99.97			
>4.0	4.125	0.03	0.03	100.00			

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.890	0.990
Standard Deviation	1.285	1.584
Skewness (1)	-0.233	-0.399
Skewness (2)	-1.364	
Kurtosis	1.418	1.539



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Mar 2017  
**Station** Groin 28  
**Sample** Berm Composite

**Mean** 0.487 mm  
**STD** 0.386 mm  
**Skewness** -0.905

**USCS** Wentworth

**SP** Medium Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

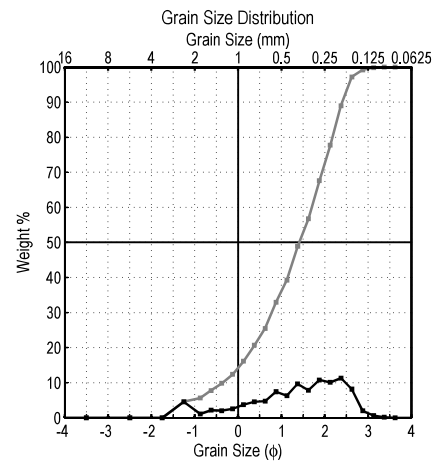
Total weight (gram) 116.56  
 % finer than 0.0625 mm 0.04  
 % coarser than 2.00 mm 7.94  
 CaCO<sub>3</sub> 25.2

Class Limits	Mid Point (phi)	Mid Point (mm)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	-3.340	0.487
-3	-3.5	0.00	0.00	0.00	0.00	5	-2.710	0.386
-2	-2.5	7.40	6.35	6.35	16	-0.285	-0.905	3.564
-1.5	-1.75	0.00	0.00	6.35	25	0.200	Dispersion	
-1	-1.25	1.86	1.60	7.94	50	1.105	Standard Deviation	
-0.75	-0.875	1.59	1.36	9.31	75	1.985	Deviation from Normal	
-0.5	-0.625	3.14	2.69	12.00	84	2.285		
-0.25	-0.375	3.19	2.74	14.74	95	2.625		
0	-0.125	3.98	3.42	18.16	99	3.055		
0.25	0.125	5.92	5.08	23.24				
0.5	0.375	7.02	6.02	29.26				
0.75	0.625	7.12	6.11	35.37				
1	0.875	9.98	8.56	43.93				
1.25	1.125	7.69	6.60	50.53				
1.5	1.375	10.16	8.72	59.25				
1.75	1.625	6.90	5.92	65.17				
2	1.875	8.20	7.04	72.20				
2.25	2.125	7.55	6.48	78.68				
2.5	2.375	9.79	8.40	87.08				
2.75	2.625	9.23	7.92	95.00				
3	2.875	3.37	2.89	97.89				
3.25	3.125	1.78	1.53	99.42				
3.5	3.375	0.45	0.39	99.80				
3.75	3.625	0.18	0.15	99.96				
>4.0	4.125	0.05	0.04	100.00				

Percentiles	Inman	Folk & Ward
1	1952	1957
5		
16		
25		
50		
75		
84		
95		
99		

Graphic Phi Parameters	Inman	Folk & Ward
Mean	1.000	1.035
Standard Deviation	1.285	1.451
Skewness (1)	-0.082	-0.256
Skewness (2)	-0.893	
Kurtosis	1.076	1.225



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Mar 2017  
**Station** Groin 29  
**Sample** Berm Composite

**Mean** 0.394 mm  
**STD** 0.478 mm  
**Skewness** -0.751

**USCS** Wentworth

**SP** Medium Sand  
 Fine Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

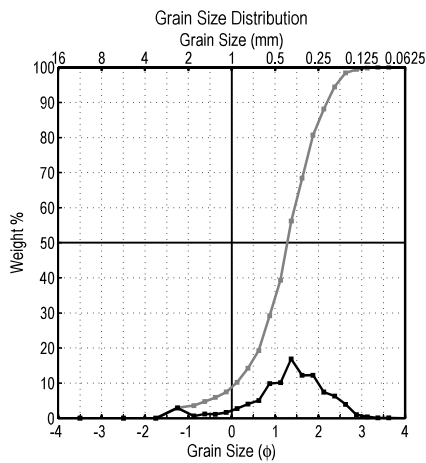
Total weight (gram) 117.05  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 4.55  
 CaCO<sub>3</sub> 25.1

Class Limits	Mid Point (phi)	Mid Point (mm)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	-1.640	0.394
-3	-3.5	0.00	0.00	0.00	0.00	5	-1.095	1.343
-2	-2.5	0.00	0.00	0.00	0.00	16	0.115	1.064
-1.5	-1.75	0.00	0.00	0.00	0.00	25	0.600	0.478
-1	-1.25	5.33	4.55	4.55	16	0.115	2.891	2.891
-0.75	-0.875	1.27	1.09	5.64	50	1.410	Dispersion	
-0.5	-0.625	2.52	2.15	7.79	75	2.060	Standard Deviation	
-0.25	-0.375	2.40	2.05	9.84	84	2.285	Deviation from Normal	
0	-0.125	2.97	2.54	12.38	95	2.560		
0.25	0.125	4.39	3.75	16.13	99	2.855		
0.5	0.375	5.34	4.56	20.69				
0.75	0.625	5.57	4.76	25.45				
1	0.875	8.73	7.46	32.91				
1.25	1.125	7.38	6.30	39.21				
1.5	1.375	11.32	9.67	48.89				
1.75	1.625	9.20	7.86	56.74				
2	1.875	12.63	10.79	67.54				
2.25	2.125	11.85	10.12	77.66				
2.5	2.375	13.22	11.29	88.95				
2.75	2.625	9.59	8.19	97.15				
3	2.875	2.34	2.00	99.15				
3.25	3.125	0.75	0.64	99.79				
3.5	3.375	0.18	0.15	99.94				
3.75	3.625	0.05	0.04	99.98				
>4.0	4.125	0.02	0.02	100.00				

Percentiles	Inman	Folk & Ward
1	1952	1957
5		
16		
25		
50		
75		
84		
95		
99		

Graphic Phi Parameters	Inman	Folk & Ward
Mean	1.190	1.263
Standard Deviation	1.075	1.091
Skewness (1)	-0.205	-0.288
Skewness (2)	-0.630	
Kurtosis	0.700	1.026



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Mar 2017  
**Station** Groin 17+300  
**Sample** Berm Composite

**Mean** 0.402 mm  
**STD** 0.551 mm  
**Skewness** -0.855

**USCS** Wentworth

**SP** Medium Sand  
 Fine Sand Moderately Sorted  
 Poorly Graded Coarse Skewed  
 Leptokurtic

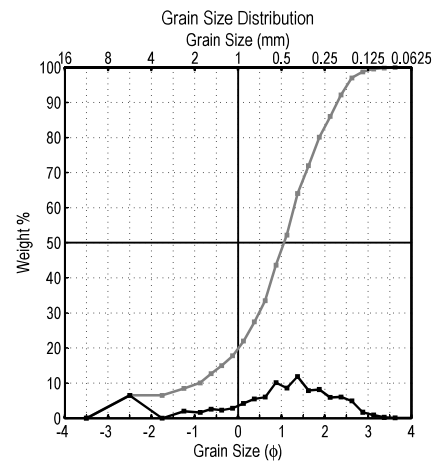
Total weight (gram) 116.73  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 2.95  
 CaCO<sub>3</sub> 18.8

Class Limits	Mid Point (phi)	Mid Point (mm)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	-1.580	0.402
-3	-3.5	0.00	0.00	0.00	0.00	5	-0.570	0.861
-2	-2.5	0.00	0.00	0.00	0.00	16	0.460	-0.855
-1.5	-1.75	0.00	0.00	0.00	0.00	25	0.770	4.089
-1	-1.25	3.44	2.95	2.95	50	1.285	Dispersion	
-0.75	-0.875	0.74	0.63	3.58	75	1.760	Standard Deviation	
-0.5	-0.625	1.36	1.17	4.75	84	1.985	Deviation from Normal	
-0.25	-0.375	1.33	1.14	5.89	95	2.410		
0	-0.125	1.87	1.60	7.49	99	2.780		
0.25	0.125	3.21	2.75	10.24				
0.5	0.375	4.68	4.01	14.25				
0.75	0.625	5.88	5.04	19.28				
1	0.875	11.52	9.87	29.15				
1.25	1.125	11.86	10.16	39.31				
1.5	1.375	19.73	16.90	56.22				
1.75	1.625	14.23	12.19	68.41				
2	1.875	14.31	12.26	80.68				
2.25	2.125	8.70	7.45	88.12				
2.5	2.375	7.35	6.30	94.41				
2.75	2.625	4.63	3.97	98.38				
3	2.875	1.17	1.00	99.38				
3.25	3.125	0.49	0.42	99.80				
3.5	3.375	0.15	0.13	99.93				
3.75	3.625	0.06	0.05	99.98				
>4.0	4.125	0.02	0.02	100.00				

Percentiles	Inman	Folk & Ward
1	1952	1957
5		
16		
25		
50		
75		
84		
95		
99		

Graphic Phi Parameters	Inman	Folk & Ward
Mean	1.222	1.243
Standard Deviation	0.762	0.833
Skewness (1)	-0.082	-0.163
Skewness (2)	-0.479	
Kurtosis	0.954	1.234



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Apr 2017  
**Station** Groin 17  
**Sample** Berm Composite

**Mean** 0.516 mm  
**STD** 0.403 mm  
**Skewness** -1.032

**USCS** Wentworth

**SP** Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Leptokurtic

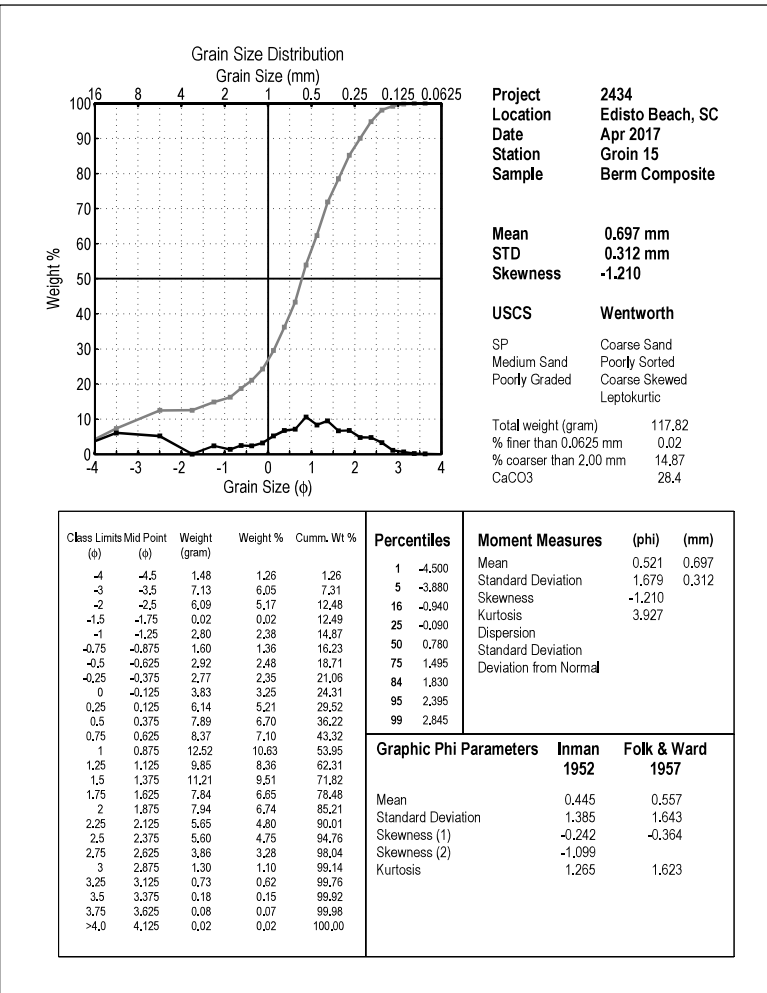
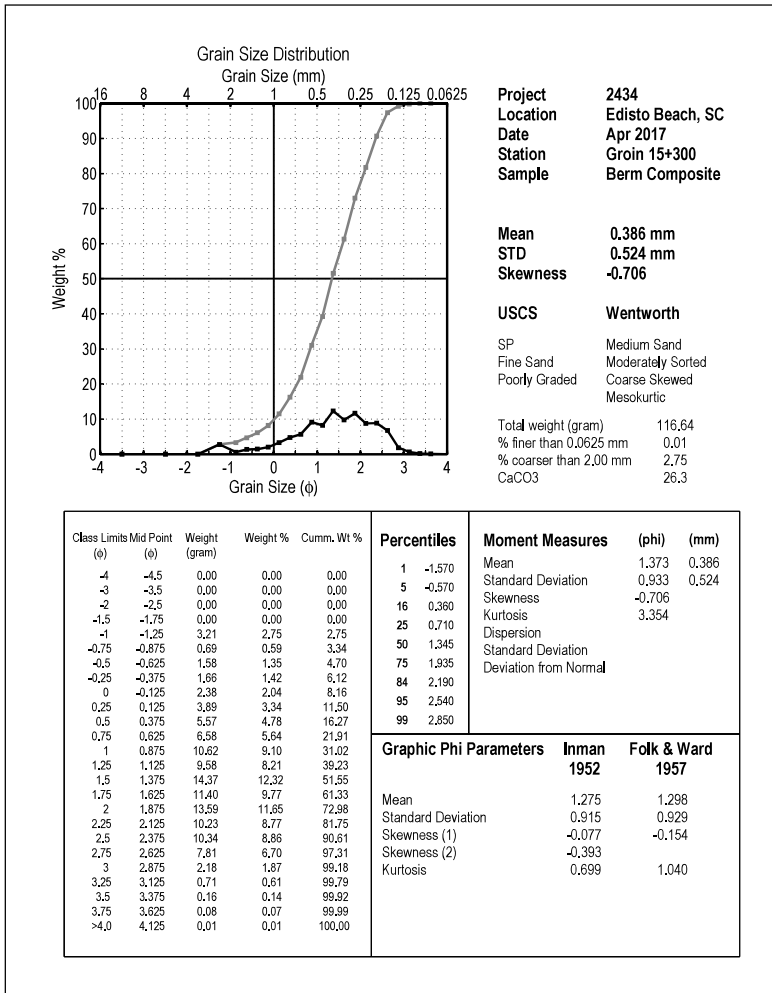
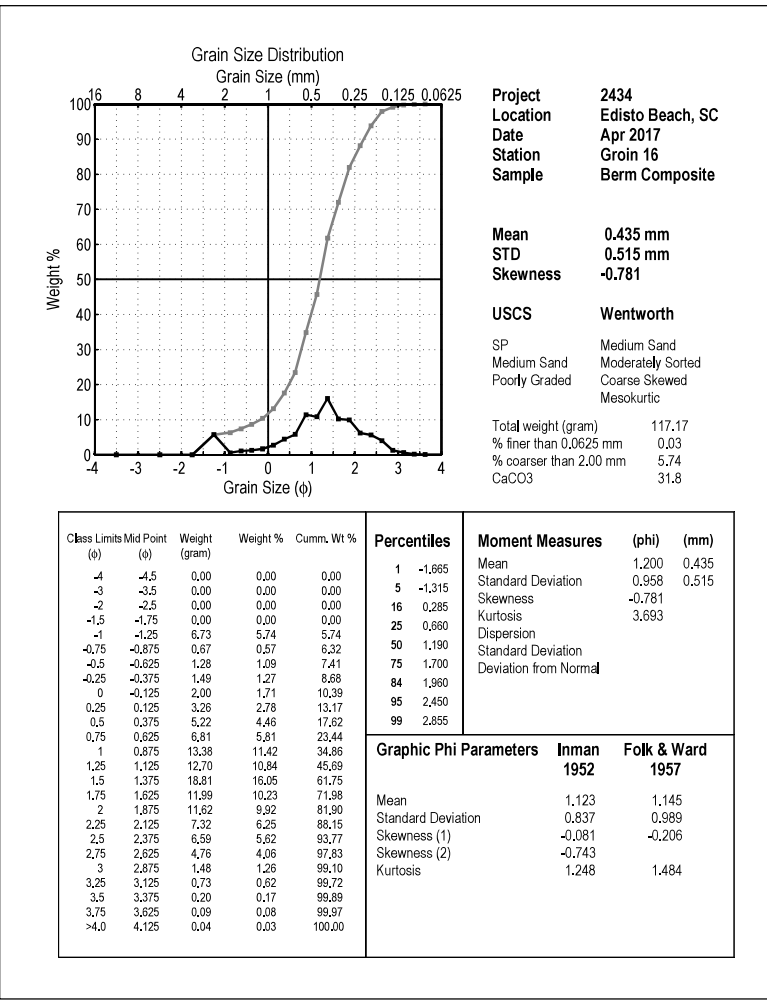
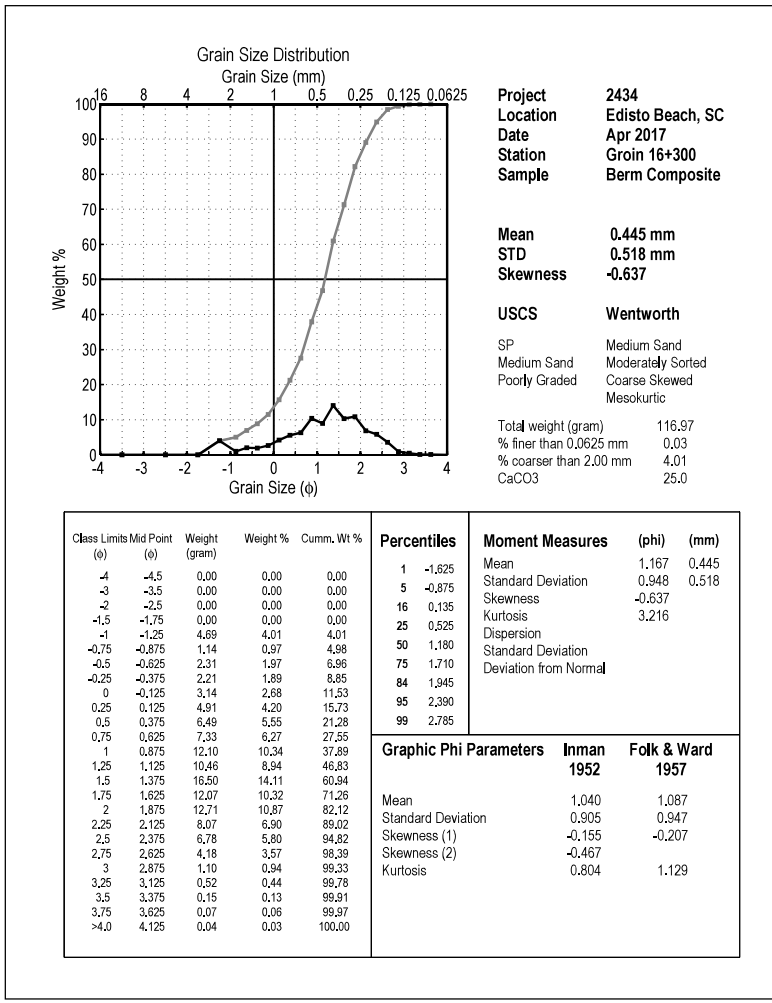
Total weight (gram) 116.52  
 % finer than 0.0625 mm 0.07  
 % coarser than 2.00 mm 8.49  
 CaCO<sub>3</sub> 31.0

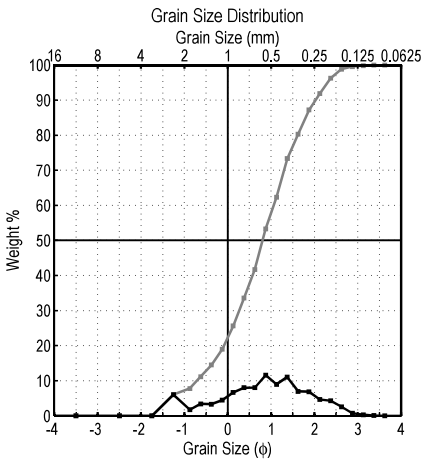
Class Limits	Mid Point (phi)	Mid Point (mm)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	-3.345	0.954
-3	-3.5	0.00	0.00	0.00	0.00	5	-2.730	1.311
-2	-2.5	7.55	6.48	6.48	16	-0.285	-1.032	0.403
-1.5	-1.75	0.00	0.00	6.48	25	0.285	4.089	3.937
-1	-1.25	2.34	2.01	8.49	50	1.060	Dispersion	
-0.75	-0.875	1.85	1.59	10.08	75	1.720	Standard Deviation	
-0.5	-0.625	3.02	2.59	12.67	84	2.040	Deviation from Normal	
-0.25	-0.375	2.69	2.31	14.98	95	2.525		
0	-0.125	3.28	2.81	17.79	99	2.955		
0.25	0.125	4.68	4.19	21.98				
0.5	0.375	6.38	5.48	27.45				
0.75	0.625	6.99	6.00	33.45				
1	0.875	11.84	10.16	43.61				
1.25	1.125	10.01	8.59	52.21				
1.5	1.375	13.83	11.87	64.07				
1.75	1.625	9.15	7.85	71.93				
2	1.875	9.53	8.18	80.11				
2.25	2.125	6.87	5.90	86.00				
2.5	2.375	7.08	6.08	92.08				
2.75	2.625	5.73	4.92	97.00				
3	2.875	1.98	1.70	98.70				
3.25	3.125	1.01	0.87	99.56				
3.5	3.375	0.29	0.25	99.81				
3.75	3.625	0.14	0.12	99.93				
>4.0	4.125	0.08	0.07	100.00				

Percentiles	Inman	Folk & Ward
1	1952	1957
5		
16		
25		
50		
75		
84		
95		
99		

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.877	0.938
Standard Deviation	1.163	1.377
Skewness (1)	-0.157	-0.300
Skewness (2)	-1.000	
Kurtosis	1.260	1.480





**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Apr 2017  
**Station** Groin 14+300  
**Sample** Berm Composite

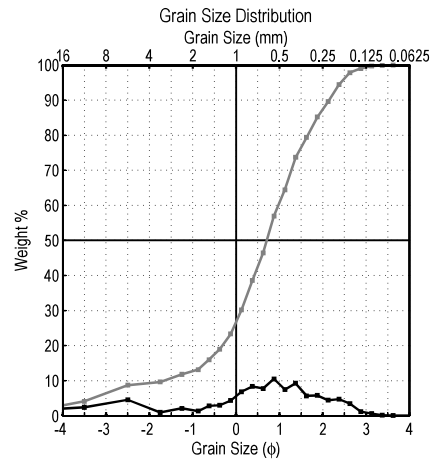
**Mean** 0.550 mm  
**STD** 0.498 mm  
**Skewness** -0.278

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic

Total weight (gram) 117.06  
 % finer than 0.0625 mm 0.03  
 % coarser than 2.00 mm 6.03  
 CaCO<sub>3</sub> 33.5

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	1 -1.685	Mean 0.863 0.550
-3	-3.5	0.00	0.00	0.00	5 -1.335	Standard Deviation 1.005 0.498
-2	-2.5	0.00	0.00	0.00	16 -0.290	Skewness -0.278
-1.5	-1.75	0.00	0.00	0.00	25 0.100	Kurtosis 2.617
-1	-1.25	7.06	6.03	6.03	50 0.805	Dispersion
-0.75	-0.875	2.04	1.74	7.77	Standard Deviation	Deviation from Normal
-0.5	-0.625	3.97	3.39	11.17	75 1.435	
-0.25	-0.375	3.86	3.32	14.49	84 1.760	
0	-0.125	5.24	4.48	18.96	95 2.305	
0.25	0.125	7.79	6.65	25.62	99 2.690	
0.5	0.375	9.37	8.00	33.62		
0.75	0.625	9.42	8.05	41.67		
1	0.875	13.59	11.61	53.28		
1.25	1.125	10.51	8.98	62.26		
1.5	1.375	12.93	11.05	73.30		
1.75	1.625	8.18	6.99	80.29		
2	1.875	8.08	6.90	87.19		
2.25	2.125	5.47	4.67	91.87		
2.5	2.375	5.07	4.33	96.20		
2.75	2.625	3.06	2.61	98.81		
3	2.875	0.82	0.70	99.51		
3.25	3.125	0.36	0.31	99.82		
3.5	3.375	0.13	0.11	99.93		
3.75	3.625	0.05	0.04	99.97		
>4.0	4.125	0.03	0.03	100.00		

Percentiles	Inman	Folk & Ward
Mean	0.735	0.758
Standard Deviation	1.025	1.064
Skewness (1)	-0.068	-0.122
Skewness (2)	-0.312	
Kurtosis	0.776	1.117



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Apr 2017  
**Station** Groin 10+300  
**Sample** Berm Composite

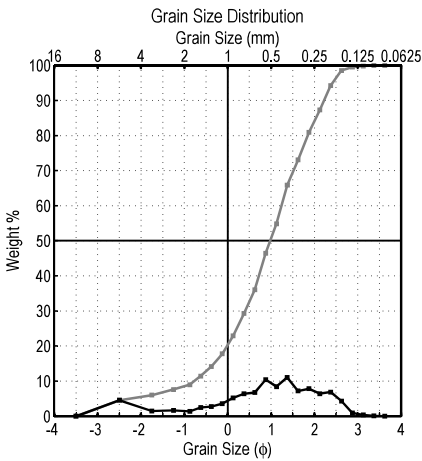
**Mean** 0.663 mm  
**STD** 0.347 mm  
**Skewness** -1.236

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Leptokurtic

Total weight (gram) 116.36  
 % finer than 0.0625 mm 0.04  
 % coarser than 2.00 mm 11.82  
 CaCO<sub>3</sub> 38.7

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	2.01	1.73	1.73	1 -4.500	Mean 0.592 0.663
-3	-3.5	2.83	2.43	4.16	5 -3.315	Standard Deviation 1.527 0.347
-2	-2.5	5.30	4.55	8.71	16 -0.620	Skewness -1.236
-1.5	-1.75	1.14	0.98	9.69	25 -0.065	Kurtosis 4.737
-1	-1.25	2.47	2.12	11.82	50 0.710	Dispersion
-0.75	-0.875	1.57	1.35	13.17	Standard Deviation	Deviation from Normal
-0.5	-0.625	3.25	2.79	15.96	75 1.435	
-0.25	-0.375	3.51	3.02	18.98	84 1.825	
0	-0.125	5.05	4.34	23.32	95 2.425	
0.25	0.125	8.03	6.90	30.22	99 2.875	
0.5	0.375	9.74	8.37	38.59		
0.75	0.625	9.08	7.80	46.39		
1	0.875	12.27	10.54	56.94		
1.25	1.125	8.71	7.49	64.42		
1.5	1.375	10.79	9.27	73.69		
1.75	1.625	6.59	5.66	79.36		
2	1.875	6.75	5.80	85.16		
2.25	2.125	5.18	4.45	89.61		
2.5	2.375	5.51	4.74	94.35		
2.75	2.625	4.01	3.45	97.79		
3	2.875	1.42	1.22	99.01		
3.25	3.125	0.78	0.67	99.68		
3.5	3.375	0.23	0.20	99.88		
3.75	3.625	0.09	0.08	99.96		
>4.0	4.125	0.05	0.04	100.00		

Percentiles	Inman	Folk & Ward
Mean	0.602	0.638
Standard Deviation	1.222	1.481
Skewness (1)	-0.088	-0.245
Skewness (2)	-0.945	
Kurtosis	1.348	1.568



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Apr 2017  
**Station** Groin 13+300  
**Sample** Berm Composite

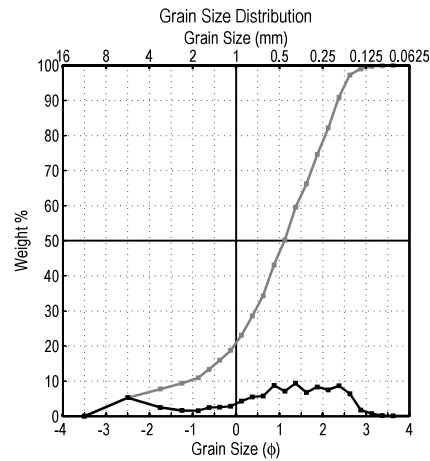
**Mean** 0.525 mm  
**STD** 0.426 mm  
**Skewness** -0.971

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Leptokurtic

Total weight (gram) 117.12  
 % finer than 0.0625 mm 0.03  
 % coarser than 2.00 mm 7.62  
 CaCO<sub>3</sub> 44.8

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	1 -3.280	Mean 0.930 0.525
-3	-3.5	0.00	0.00	0.00	5 -2.245	Standard Deviation 1.233 0.426
-2	-2.5	5.28	4.51	4.51	16 -0.250	Skewness -0.971
-1.5	-1.75	1.71	1.46	5.97	25 0.205	Kurtosis 3.898
-1	-1.25	1.94	1.66	7.62	50 0.980	Dispersion
-0.75	-0.875	1.61	1.37	9.00	Standard Deviation	Deviation from Normal
-0.5	-0.625	2.87	2.45	11.45	75 1.685	
-0.25	-0.375	3.22	2.75	14.20	84 1.995	
0	-0.125	4.22	3.60	17.80	95 2.420	
0.25	0.125	6.03	5.15	22.95	99 2.755	
0.5	0.375	7.44	6.35	29.30		
0.75	0.625	7.85	6.70	36.01		
1	0.875	12.18	10.40	46.41		
1.25	1.125	9.89	8.44	54.85		
1.5	1.375	12.93	11.04	65.89		
1.75	1.625	8.42	7.19	73.08		
2	1.875	9.18	7.84	80.92		
2.25	2.125	7.51	6.41	87.33		
2.5	2.375	8.05	6.87	94.20		
2.75	2.625	5.07	4.33	98.53		
3	2.875	1.07	0.91	99.45		
3.25	3.125	0.43	0.37	99.81		
3.5	3.375	0.13	0.11	99.92		
3.75	3.625	0.05	0.04	99.97		
>4.0	4.125	0.04	0.03	100.00		

Percentiles	Inman	Folk & Ward
Mean	0.873	0.908
Standard Deviation	1.123	1.268
Skewness (1)	-0.096	-0.239
Skewness (2)	-0.795	
Kurtosis	1.078	1.292



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Apr 2017  
**Station** Groin 12+300  
**Sample** Berm Composite

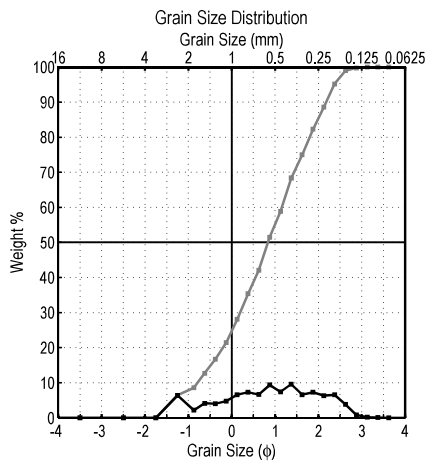
**Mean** 0.502 mm  
**STD** 0.392 mm  
**Skewness** -0.955

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 116.84  
 % finer than 0.0625 mm 0.03  
 % coarser than 2.00 mm 9.35  
 CaCO<sub>3</sub> 37.0

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	1 -3.310	Mean 0.993 0.502
-3	-3.5	0.00	0.00	0.00	5 -2.545	Standard Deviation 1.351 0.392
-2	-2.5	6.12	5.24	5.24	16 -0.370	Skewness -0.955
-1.5	-1.75	2.93	2.51	7.75	25 0.210	Kurtosis 3.479
-1	-1.25	1.88	1.61	9.35	50 1.120	Dispersion
-0.75	-0.875	1.81	1.55	10.90	Standard Deviation	Deviation from Normal
-0.5	-0.625	2.88	2.46	13.37	75 1.885	
-0.25	-0.375	3.00	2.57	15.94	84 2.175	
0	-0.125	3.33	2.85	18.79	95 2.535	
0.25	0.125	5.05	4.32	23.11	99 2.880	
0.5	0.375	6.41	5.49	28.59		
0.75	0.625	6.71	5.74	34.34		
1	0.875	10.21	8.74	43.08		
1.25	1.125	8.32	7.12	50.20		
1.5	1.375	10.95	9.37	59.57		
1.75	1.625	7.84	6.71	66.28		
2	1.875	9.78	8.35	74.63		
2.25	2.125	8.81	7.54	82.17		
2.5	2.375	10.17	8.70	90.88		
2.75	2.625	7.44	6.37	97.24		
3	2.875	2.04	1.75	98.99		
3.25	3.125	0.86	0.74	99.73		
3.5	3.375	0.19	0.16	99.89		
3.75	3.625	0.09	0.08	99.97		
>4.0	4.125	0.04	0.03	100.00		

Percentiles	Inman	Folk & Ward
Mean	0.902	0.975
Standard Deviation	1.273	1.406
Skewness (1)	-0.171	-0.307
Skewness (2)	-0.884	
Kurtosis	0.996	1.243



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Apr 2017  
**Station** Groin 11+300  
**Sample** Berm Composite

**Mean** 0.538 mm  
**STD** 0.473 mm  
**Skewness** -0.267

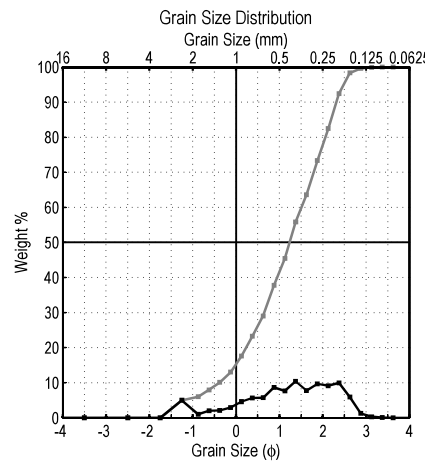
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Platykurtic

Total weight (gram) 116.97  
 % finer than 0.0625 mm 0.01  
 % coarser than 2.00 mm 6.43  
 CaCO3 43.6

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	0.00	0.00	0.00
-1.5	-1.75	0.00	0.00	0.00
-1	-1.25	7.52	6.43	6.43
-0.75	-0.875	2.51	2.15	8.57
-0.5	-0.625	4.85	4.15	12.72
-0.25	-0.375	4.67	3.99	16.71
0	-0.125	5.59	4.78	21.49
0.25	0.125	7.68	6.57	28.06
0.5	0.375	8.57	7.33	35.39
0.75	0.625	7.77	6.64	42.03
1	0.875	10.97	9.38	51.41
1.25	1.125	8.62	7.37	58.78
1.5	1.375	11.22	9.59	68.37
1.75	1.625	7.72	6.60	74.97
2	1.875	8.52	7.28	82.25
2.25	2.125	7.41	6.33	88.59
2.5	2.375	7.08	6.05	95.14
2.75	2.625	4.45	3.80	98.94
3	2.875	0.91	0.78	99.72
3.25	3.125	0.23	0.20	99.91
3.5	3.375	0.06	0.05	99.97
3.75	3.625	0.03	0.03	99.99
>4.0	4.125	0.01	0.01	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-1.670	
5	-1.360	
16	-0.420	
25	0.010	
50	0.840	
75	1.625	
84	1.945	
95	2.370	
99	2.645	

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.762	0.788
Standard Deviation	1.182	1.156
Skewness (1)	-0.066	-0.123
Skewness (2)	-0.283	
Kurtosis	0.577	0.947



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Apr 2017  
**Station** Groin 10+300  
**Sample** Berm Composite

**Mean** 0.430 mm  
**STD** 0.486 mm  
**Skewness** -0.639

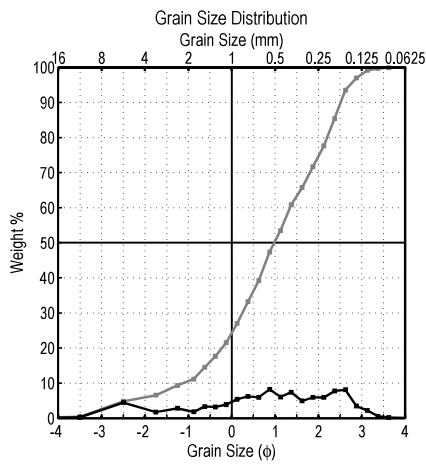
**USCS** Wentworth  
 SP Medium Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 116.96  
 % finer than 0.0625 mm 0.00  
 % coarser than 2.00 mm 4.99  
 CaCO3 27.1

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	0.00	0.00	0.00
-1.5	-1.75	0.00	0.00	0.00
-1	-1.25	5.84	4.99	4.99
-0.75	-0.875	1.16	0.99	5.98
-0.5	-0.625	2.33	1.99	7.98
-0.25	-0.375	2.50	2.14	10.11
0	-0.125	3.39	2.90	13.01
0.25	0.125	5.39	4.61	17.62
0.5	0.375	6.63	5.67	23.29
0.75	0.625	6.70	5.73	29.02
1	0.875	10.18	8.70	37.72
1.25	1.125	8.98	7.68	45.40
1.5	1.375	12.18	10.41	55.81
1.75	1.625	9.13	7.81	63.62
2	1.875	11.33	9.69	73.31
2.25	2.125	10.69	9.14	82.45
2.5	2.375	11.61	9.93	92.37
2.75	2.625	6.94	5.93	98.31
3	2.875	1.50	1.28	99.59
3.25	3.125	0.36	0.31	99.90
3.5	3.375	0.09	0.08	99.97
3.75	3.625	0.03	0.03	100.00
>4.0	4.125	0.00	0.00	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-1.650	
5	-1.245	
16	0.035	
25	0.450	
50	1.235	
75	1.920	
84	2.165	
95	2.485	
99	2.760	

Graphic Phi Parameters	Inman	Folk & Ward
Mean	1.100	1.145
Standard Deviation	1.065	1.098
Skewness (1)	-0.127	-0.228
Skewness (2)	-0.577	
Kurtosis	0.751	1.040



**Project** 2434  
**Location** Edisto Beach, SC  
**Date** Apr 2017  
**Station** ALL  
**Sample** Berm Composite

**Mean** 0.508 mm  
**STD** 0.372 mm  
**Skewness** -0.718

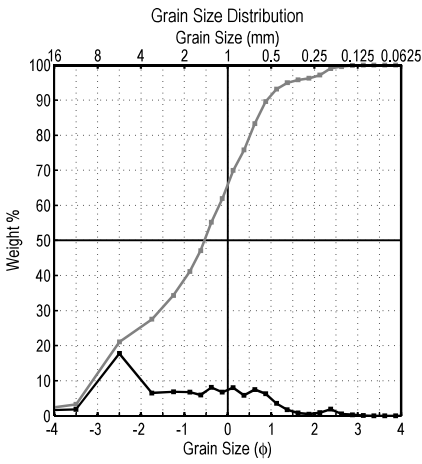
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 6346.42  
 % finer than 0.0625 mm 0.10  
 % coarser than 2.00 mm 9.35  
 CaCO3 31.8

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	8.90	0.14	0.14
-3	-3.5	15.68	0.25	0.39
-2	-2.5	280.57	4.42	4.81
-1.5	-1.75	110.53	1.74	6.55
-1	-1.25	177.78	2.80	9.35
-0.75	-0.875	115.43	1.82	11.17
-0.5	-0.625	210.34	3.31	14.48
-0.25	-0.375	202.36	3.19	17.67
0	-0.125	247.52	3.90	21.57
0.25	0.125	345.56	5.44	27.02
0.5	0.375	393.84	6.21	33.22
0.75	0.625	377.85	5.95	39.18
1	0.875	521.50	8.22	47.39
1.25	1.125	385.40	6.07	53.47
1.5	1.375	469.92	7.40	60.87
1.75	1.625	310.50	4.89	65.76
2	1.875	376.85	5.94	71.70
2.25	2.125	374.99	5.91	77.61
2.5	2.375	494.55	7.79	85.40
2.75	2.625	513.24	8.09	93.49
3	2.875	218.22	3.44	96.93
3.25	3.125	138.74	2.19	99.12
3.5	3.375	36.49	0.57	99.69
3.75	3.625	13.33	0.21	99.90
>4.0	4.125	6.33	0.10	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.360	
5	-2.415	
16	-0.505	
25	0.030	
50	0.980	
75	2.015	
84	2.330	
95	2.735	
99	3.110	

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.913	0.935
Standard Deviation	1.418	1.489
Skewness (1)	-0.048	-0.183
Skewness (2)	-0.578	
Kurtosis	0.817	1.063



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-1-1  
**Sample** 0-2

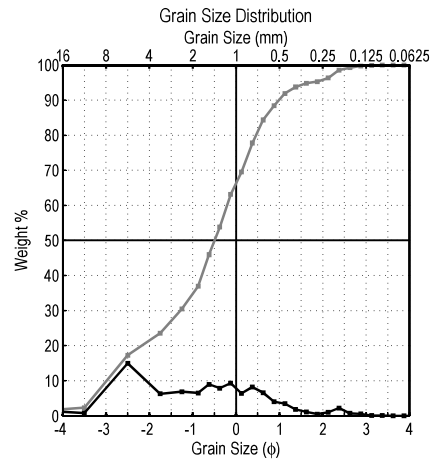
**Mean** 1.510 mm  
**STD** 0.366 mm  
**Skewness** -0.224

**USCS** Wentworth  
 SP Very Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical Mesokurtic

Total weight (gram) 124.01  
 % finer than 0.0625 mm 0.00  
 % coarser than 2.00 mm 34.35  
 CaCO<sub>3</sub> 57.7

Class Limits	Mid Point (phi)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	1.80	1.45	1.45	1	-4.500	
-3	-3.5	2.26	1.82	3.27	5	-3.405	
-2	-2.5	22.03	17.76	21.04	16	-2.785	
-1.5	-1.75	8.05	6.49	27.53	25	-2.040	
-1	-1.25	8.46	6.82	34.35	50	-0.535	
-0.75	-0.875	8.39	6.77	41.12	75	0.340	
-0.5	-0.625	7.39	5.96	47.08	84	0.655	
-0.25	-0.375	10.04	8.10	55.17	95	1.400	
0	-0.125	8.35	6.73	61.91	99	2.380	
0.25	0.125	9.96	8.03	69.94			
0.5	0.375	7.26	5.85	75.79			
0.75	0.625	9.26	7.47	83.26			
1	0.875	7.82	6.31	89.57			
1.25	1.125	4.41	3.56	93.12			
1.5	1.375	2.23	1.80	94.92			
1.75	1.625	0.98	0.79	95.71			
2	1.875	0.63	0.51	96.22			
2.25	2.125	1.09	0.88	97.10			
2.5	2.375	2.35	1.90	99.00			
2.75	2.625	0.86	0.69	99.69			
3	2.875	0.41	0.33	99.85			
3.25	3.125	0.10	0.08	99.94			
3.5	3.375	0.05	0.04	99.98			
3.75	3.625	0.03	0.02	100.00			
4	3.875	0.00	0.00	100.00			
>4.0	4.25	0.00	0.00	100.00			

Graphic Phi Parameters		Inman	Folk & Ward
Mean		-1.065	-0.888
Standard Deviation		1.720	1.588
Skewness (1)		-0.308	-0.251
Skewness (2)		-0.272	
Kurtosis		0.397	0.827



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-1-2  
**Sample** 2-3.8

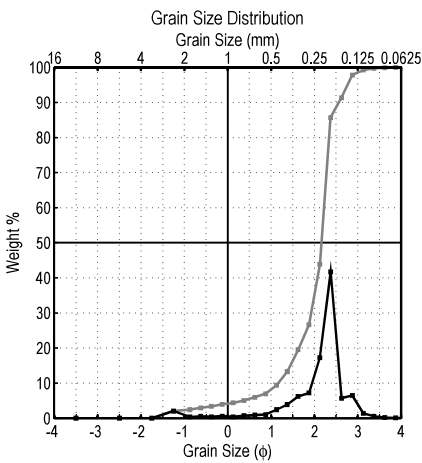
**Mean** 1.410 mm  
**STD** 0.378 mm  
**Skewness** -0.198

**USCS** Wentworth  
 SP Very Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical Mesokurtic

Total weight (gram) 116.06  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 30.42  
 CaCO<sub>3</sub> 49.8

Class Limits	Mid Point (phi)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	1.73	1.49	1.49	1	-4.500	
-3	-3.5	0.93	0.80	2.29	5	-3.320	
-2	-2.5	17.37	14.97	17.26	16	-2.585	
-1.5	-1.75	7.31	6.30	23.56	25	-1.645	
-1	-1.25	7.97	6.87	30.42	50	-0.495	
-0.75	-0.875	7.55	6.51	36.93	75	0.290	
-0.5	-0.625	10.43	8.99	45.92	84	0.610	
-0.25	-0.375	9.14	7.86	53.79	95	1.730	
0	-0.125	10.80	9.31	63.10	99	2.500	
0.25	0.125	7.45	6.42	69.52			
0.5	0.375	9.55	8.23	77.74			
0.75	0.625	7.65	6.59	84.34			
1	0.875	4.67	4.02	88.36			
1.25	1.125	4.06	3.50	91.86			
1.5	1.375	2.16	1.86	93.72			
1.75	1.625	1.25	1.08	94.80			
2	1.875	0.56	0.48	95.28			
2.25	2.125	1.17	1.01	96.29			
2.5	2.375	2.58	2.22	98.51			
2.75	2.625	0.82	0.71	99.22			
3	2.875	0.61	0.53	99.74			
3.25	3.125	0.14	0.12	99.86			
3.5	3.375	0.08	0.07	99.93			
3.75	3.625	0.04	0.03	99.97			
4	3.875	0.02	0.02	99.98			
>4.0	4.25	0.02	0.02	100.00			

Graphic Phi Parameters		Inman	Folk & Ward
Mean		-0.988	-0.823
Standard Deviation		1.597	1.564
Skewness (1)		-0.308	-0.214
Skewness (2)		-0.188	
Kurtosis		0.581	1.070



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-2-1  
**Sample** 0-2.2

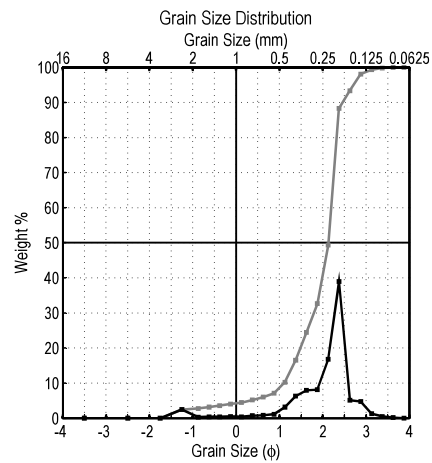
**Mean** 0.239 mm  
**STD** 0.583 mm  
**Skewness** -2.354

**USCS** Wentworth  
 SP Fine Sand  
 Fine Sand Moderately Sorted  
 Poorly Graded Strongly Coarse Skewed Very Leptokurtic

Total weight (gram) 121.92  
 % finer than 0.0625 mm 0.05  
 % coarser than 2.00 mm 2.04  
 CaCO<sub>3</sub> 12.4

Class Limits	Mid Point (phi)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-1.505	
-3	-3.5	0.00	0.00	0.00	5	0.360	
-2	-2.5	0.00	0.00	0.00	16	1.485	
-1.5	-1.75	0.00	0.00	0.00	25	1.815	
-1	-1.25	2.49	2.04	2.04	50	2.160	
-0.75	-0.875	0.46	0.38	2.42	75	2.310	
-0.5	-0.625	0.63	0.52	2.94	84	2.365	
-0.25	-0.375	0.52	0.43	3.36	95	2.765	
0	-0.125	0.72	0.59	3.95	99	3.090	
0.25	0.125	0.49	0.40	4.36			
0.5	0.375	0.84	0.69	5.04			
0.75	0.625	1.07	0.88	5.92			
1	0.875	1.29	1.06	6.98			
1.25	1.125	2.94	2.41	9.39			
1.5	1.375	4.73	3.88	13.27			
1.75	1.625	7.60	6.23	19.50			
2	1.875	8.74	7.17	26.67			
2.25	2.125	20.99	17.22	43.89			
2.5	2.375	50.89	41.74	85.63			
2.75	2.625	6.93	5.68	91.31			
3	2.875	7.90	6.48	97.79			
3.25	3.125	1.72	1.41	99.20			
3.5	3.375	0.63	0.52	99.72			
3.75	3.625	0.18	0.15	99.87			
4	3.875	0.10	0.08	99.95			
>4.0	4.25	0.06	0.05	100.00			

Graphic Phi Parameters		Inman	Folk & Ward
Mean		1.925	2.003
Standard Deviation		0.440	0.584
Skewness (1)		-0.534	-0.515
Skewness (2)		-1.358	
Kurtosis		1.733	1.991



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-2-2  
**Sample** 2.2-4.0

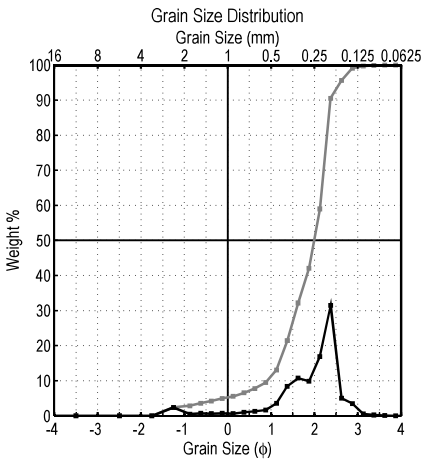
**Mean** 0.251 mm  
**STD** 0.578 mm  
**Skewness** -2.243

**USCS** Wentworth  
 SP Medium Sand  
 Fine Sand Moderately Sorted  
 Poorly Graded Strongly Coarse Skewed Very Leptokurtic

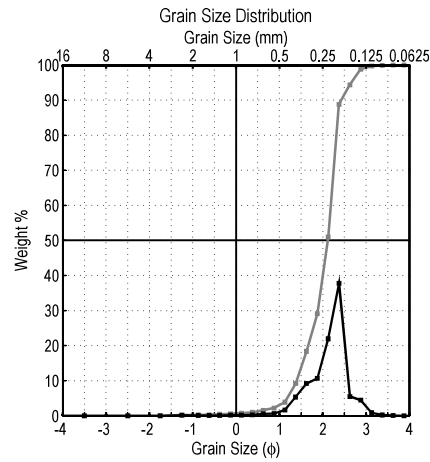
Total weight (gram) 116.51  
 % finer than 0.0625 mm 0.03  
 % coarser than 2.00 mm 2.45  
 CaCO<sub>3</sub> 10.2

Class Limits	Mid Point (phi)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-1.545	
-3	-3.5	0.00	0.00	0.00	5	0.320	
-2	-2.5	0.00	0.00	0.00	16	1.355	
-1.5	-1.75	0.00	0.00	0.00	25	1.640	
-1	-1.25	2.85	2.45	2.45	50	2.130	
-0.75	-0.875	0.35	0.30	2.75	75	2.290	
-0.5	-0.625	0.48	0.41	3.16	84	2.390	
-0.25	-0.375	0.47	0.40	3.56	95	2.715	
0	-0.125	0.56	0.48	4.04	99	3.060	
0.25	0.125	0.48	0.41	4.45			
0.5	0.375	0.81	0.70	5.15			
0.75	0.625	0.96	0.82	5.97			
1	0.875	1.31	1.12	7.10			
1.25	1.125	3.67	3.15	10.25			
1.5	1.375	7.33	6.29	16.54			
1.75	1.625	9.26	7.95	24.49			
2	1.875	9.46	8.12	32.61			
2.25	2.125	19.50	16.74	49.34			
2.5	2.375	45.34	38.92	88.26			
2.75	2.625	5.90	5.06	93.32			
3	2.875	5.53	4.75	98.07			
3.25	3.125	1.45	1.24	99.31			
3.5	3.375	0.58	0.50	99.81			
3.75	3.625	0.15	0.13	99.94			
4	3.875	0.04	0.03	99.97			
>4.0	4.25	0.03	0.03	100.00			

Graphic Phi Parameters		Inman	Folk & Ward
Mean		1.852	1.945
Standard Deviation		0.497	0.612
Skewness (1)		-0.558	-0.535
Skewness (2)		-1.231	
Kurtosis		1.407	1.510



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-2-3  
**Sample** 4.0-4.7  
**Mean** 0.273 mm  
**STD** 0.567 mm  
**Skewness** -1.951  
**USCS** Wentworth  
 SP Medium Sand  
 Fine Sand Moderately Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Very Leptokurtic  
 Total weight (gram) 105.80  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 2.38  
 CaCO<sub>3</sub> 12.7



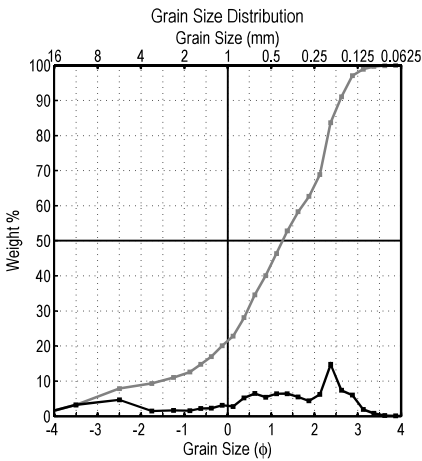
**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-2-4  
**Sample** 4.7-6.5  
**Mean** 0.229 mm  
**STD** 0.712 mm  
**Skewness** -1.731  
**USCS** Wentworth  
 SP Fine Sand  
 Fine Sand Well Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Very Leptokurtic  
 Total weight (gram) 106.93  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 0.21  
 CaCO<sub>3</sub> 5.9

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1 -1.540	Mean 1.873 0.273
-3	-3.5	0.00	0.00	0.00	0.00	5 -0.100	Standard Deviation 0.820 0.567
-2	-2.5	0.00	0.00	0.00	0.00	16 1.215	Skewness -1.951
-1.5	-1.75	0.00	0.00	0.00	0.00	25 1.460	Kurtosis 7.499
-1	-1.25	2.52	2.38	2.38		50 1.900	Dispersion
-0.75	-0.875	0.52	0.49	2.87		Standard Deviation	Deviation from Normal
-0.5	-0.625	0.74	0.70	3.57		75 2.250	
-0.25	-0.375	0.67	0.63	4.21		84 2.325	
0	-0.125	0.77	0.73	4.93		95 2.600	
0.25	0.125	0.64	0.60	5.54		99 2.870	
0.5	0.375	1.07	1.01	6.55			
0.75	0.625	1.33	1.26	7.81			
1	0.875	1.76	1.66	9.47			
1.25	1.125	3.79	3.58	13.05			
1.5	1.375	8.87	8.38	21.44			
1.75	1.625	11.35	10.73	32.16			
2	1.875	10.47	9.90	42.06			
2.25	2.125	17.88	16.90	58.96			
2.5	2.375	33.36	31.53	90.49			
2.75	2.625	5.95	5.06	95.55			
3	2.875	3.72	3.52	99.06			
3.25	3.125	0.63	0.60	99.66			
3.5	3.375	0.24	0.23	99.89			
3.75	3.625	0.07	0.07	99.95			
4	3.875	0.03	0.03	99.98			
>4.0	4.25	0.02	0.02	100.00			

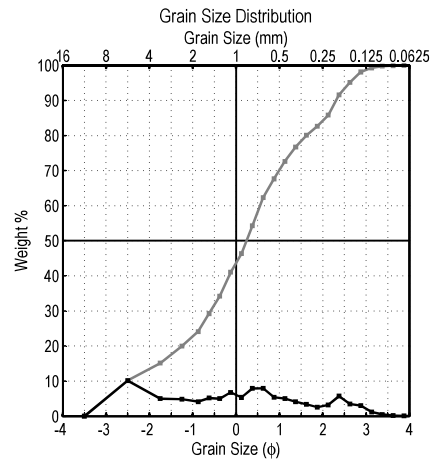
Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	1.770	1.843
Standard Deviation	0.555	0.687
Skewness (1)	-0.396	-0.472
Skewness (2)	-1.333	
Kurtosis	1.432	1.401

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1 0.360	Mean 2.124 0.229
-3	-3.5	0.00	0.00	0.00	0.00	5 1.180	Standard Deviation 0.490 0.712
-2	-2.5	0.00	0.00	0.00	0.00	16 1.560	Skewness -1.731
-1.5	-1.75	0.00	0.00	0.00	0.00	25 1.780	Kurtosis 10.663
-1	-1.25	0.22	0.21	0.21		50 2.115	Dispersion
-0.75	-0.875	0.06	0.06	0.26		Standard Deviation	Deviation from Normal
-0.5	-0.625	0.08	0.07	0.34		75 2.285	
-0.25	-0.375	0.13	0.12	0.46		84 2.345	
0	-0.125	0.15	0.14	0.60		95 2.665	
0.25	0.125	0.15	0.14	0.74		99 2.935	
0.5	0.375	0.30	0.28	1.02			
0.75	0.625	0.57	0.53	1.55			
1	0.875	0.72	0.67	2.23			
1.25	1.125	1.76	1.65	3.87			
1.5	1.375	5.70	5.33	9.20			
1.75	1.625	9.82	9.18	18.39			
2	1.875	11.45	10.71	29.09			
2.25	2.125	23.47	21.96	51.04			
2.5	2.375	40.37	37.75	88.80			
2.75	2.625	5.99	5.51	94.30			
3	2.875	4.80	4.49	98.79			
3.25	3.125	0.93	0.87	99.66			
3.5	3.375	0.24	0.22	99.89			
3.75	3.625	0.07	0.07	99.95			
4	3.875	0.03	0.03	99.98			
>4.0	4.25	0.02	0.02	100.00			

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	1.952	2.007
Standard Deviation	0.392	0.421
Skewness (1)	-0.414	-0.337
Skewness (2)	-0.490	
Kurtosis	0.892	1.205



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-3-1  
**Sample** 0-2.8  
**Mean** 0.475 mm  
**STD** 0.324 mm  
**Skewness** -1.109  
**USCS** Wentworth  
 SP Medium Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Leptokurtic  
 Total weight (gram) 106.32  
 % finer than 0.0625 mm 0.05  
 % coarser than 2.00 mm 11.01  
 CaCO<sub>3</sub> 25.3



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-3-2  
**Sample** 2.8-4.5  
**Mean** 0.814 mm  
**STD** 0.342 mm  
**Skewness** -0.133  
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Platykurtic  
 Total weight (gram) 104.48  
 % finer than 0.0625 mm 0.04  
 % coarser than 2.00 mm 19.96  
 CaCO<sub>3</sub> 39.7

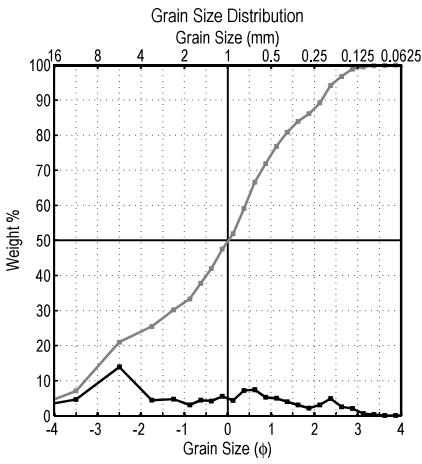
Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1 -4.190	Mean 1.073 0.475
-3	-3.5	3.45	3.24	3.24		5 -3.120	Standard Deviation 1.626 0.324
-2	-2.5	4.93	4.64	7.88		16 -0.490	Skewness -1.109
-1.5	-1.75	1.56	1.47	9.35		25 0.225	Kurtosis 3.733
-1	-1.25	1.77	1.66	11.01		50 1.265	Dispersion
-0.75	-0.875	1.67	1.57	12.58		Standard Deviation	Deviation from Normal
-0.5	-0.625	2.33	2.19	14.78		75 2.230	
-0.25	-0.375	2.38	2.24	17.01		84 2.385	
0	-0.125	3.29	3.09	20.11		95 2.790	
0.25	0.125	2.93	2.76	22.86		99 3.155	
0.5	0.375	5.56	5.23	28.09			
0.75	0.625	6.88	6.47	34.57			
1	0.875	5.76	5.42	39.98			
1.25	1.125	6.77	6.37	46.35			
1.5	1.375	6.84	6.43	52.78			
1.75	1.625	5.84	5.49	58.28			
2	1.875	4.85	4.37	62.65			
2.25	2.125	6.94	6.25	68.90			
2.5	2.375	15.69	14.76	83.65			
2.75	2.625	7.82	7.36	91.01			
3	2.875	6.38	6.00	97.01			
3.25	3.125	2.02	1.90	98.91			
3.5	3.375	0.83	0.78	99.69			
3.75	3.625	0.20	0.19	99.88			
4	3.875	0.08	0.08	99.95			
>4.0	4.25	0.05	0.05	100.00			

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.947	1.053
Standard Deviation	1.438	1.614
Skewness (1)	-0.221	-0.352
Skewness (2)	-0.995	
Kurtosis	1.056	1.208

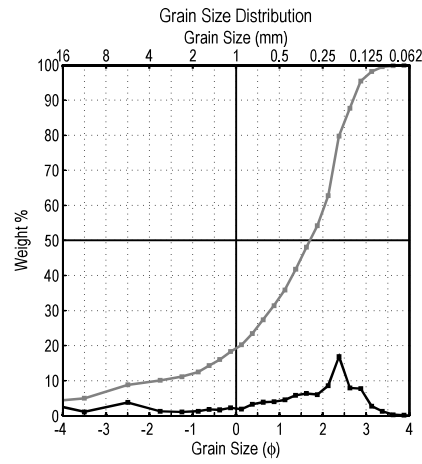
Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1 -3.400	Mean 0.297 0.814
-3	-3.5	0.00	0.00	0.00	0.00	5 -3.005	Standard Deviation 1.550 0.342
-2	-2.5	10.58	10.13	10.13		16 -1.660	Skewness -0.133
-1.5	-1.75	5.22	5.00	15.12		25 -0.830	Kurtosis 2.286
-1	-1.25	5.05	4.83	19.96		50 0.240	Dispersion
-0.75	-0.875	4.31	4.13	24.08		Standard Deviation	Deviation from Normal
-0.5	-0.625	5.38	5.15	29.23		75 1.270	
-0.25	-0.375	5.21	4.99	34.22		84 1.980	
0	-0.125	7.12	6.81	41.03		95 2.620	
0.25	0.125	5.57	5.33	46.36		99 3.070	
0.5	0.375	8.28	7.92	54.29			
0.75	0.625	8.32	7.96	62.25			
1	0.875	5.61	5.37	67.62			
1.25	1.125	5.22	5.00	72.62			
1.5	1.375	4.29	4.11	76.72			
1.75	1.625	3.52	3.37	80.09			
2	1.875	2.66	2.55	82.64			
2.25	2.125	3.32	3.18	85.82			
2.5	2.375	6.00	5.74	91.56			
2.75	2.625	3.67	3.51	95.07			
3	2.875	3.15	3.01	98.09			
3.25	3.125	1.23	1.18	99.26			
3.5	3.375	0.51	0.49	99.75			
3.75	3.625	0.16	0.15	99.90			
4	3.875	0.06	0.06	99.96			
>4.0	4.25	0.04	0.04	100.00			

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.160	0.187
Standard Deviation	1.820	1.762
Skewness (1)	-0.044	-0.099
Skewness (2)	-0.238	
Kurtosis	0.545	1.098





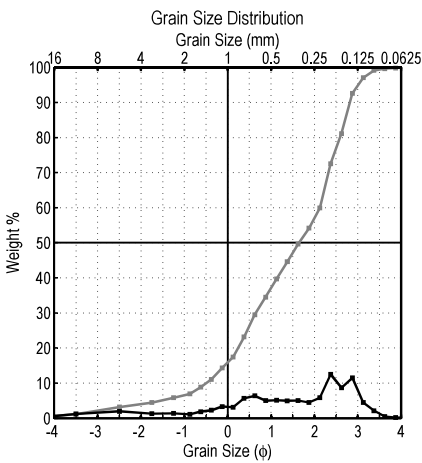
**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-3-3  
**Sample** 4.5-5.6  
**Mean** 1.115 mm  
**STD** 0.276 mm  
**Skewness** -0.349  
**USCS** Wentworth  
 SW Very Coarse Sand  
 Medium Sand Poorly Sorted  
 Well Graded Symmetrical  
 Platykurtic  
 Total weight (gram) 104.50  
 % finer than 0.0625 mm 0.05  
 % coarser than 2.00 mm 30.20  
 CaCO3 41.5



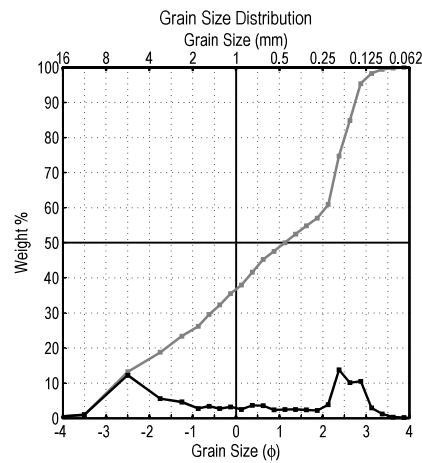
**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-3-4  
**Sample** 5.6-7.7  
**Mean** 0.432 mm  
**STD** 0.279 mm  
**Skewness** -1.582  
**USCS** Wentworth  
 SP Medium Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Leptokurtic  
 Total weight (gram) 105.55  
 % finer than 0.0625 mm 0.09  
 % coarser than 2.00 mm 11.19  
 CaCO3 19.2

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	2.49	2.38	2.38	1	-4.500	Mean -0.157 1.115
-3	-3.5	4.93	4.72	7.10	5	-3.945	Standard Deviation 1.855 0.276
-2	-2.5	14.54	13.91	21.01	16	-2.860	Skewness -0.349
-1.5	-1.75	4.66	4.46	25.47	25	-1.830	Kurtosis 2.368
-1	-1.25	4.94	4.73	30.20	50	0.015	Dispersion
-0.75	-0.875	3.27	3.13	33.33	75	1.035	Standard Deviation
-0.5	-0.625	4.62	4.42	37.75	84	1.635	Deviation from Normal
-0.25	-0.375	4.41	4.22	41.97	95	2.460	
0	-0.125	5.81	5.56	47.53	99	2.945	
0.25	0.125	4.59	4.39	51.92			
0.5	0.375	7.53	7.21	59.13			
0.75	0.625	7.77	7.44	66.56			
1	0.875	5.50	5.26	71.83			
1.25	1.125	5.22	5.00	76.82			
1.5	1.375	4.21	4.03	80.85			
1.75	1.625	3.21	3.07	83.92			
2	1.875	2.25	2.15	86.08			
2.25	2.125	3.24	3.10	89.18			
2.5	2.375	5.20	4.98	94.15			
2.75	2.625	2.88	2.56	96.72			
3	2.875	2.20	2.11	98.82			
3.25	3.125	0.64	0.61	99.44			
3.5	3.375	0.38	0.36	99.80			
3.75	3.625	0.10	0.10	99.89			
4	3.875	0.06	0.06	99.95			
>4.0	4.25	0.05	0.05	100.00			
					Graphic Phi Parameters		
					Mean	-0.613	-0.403
					Standard Deviation	2.247	2.094
					Skewness (1)	-0.279	-0.258
					Skewness (2)	-0.337	
					Kurtosis	0.425	0.916

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	4.09	3.87	3.87	1	-4.500	Mean -0.157 1.115
-3	-3.5	1.20	1.14	5.01	5	-3.510	Standard Deviation 1.843 0.279
-2	-2.5	4.02	3.81	8.82	16	-2.880	Skewness -1.582
-1.5	-1.75	1.35	1.28	10.10	25	-1.830	Kurtosis 5.058
-1	-1.25	1.15	1.09	11.19	50	1.700	Dispersion
-0.75	-0.875	1.36	1.29	12.48	75	2.305	Standard Deviation
-0.5	-0.625	1.94	1.84	14.32	84	2.510	Deviation from Normal
-0.25	-0.375	1.80	1.71	16.02	95	2.865	
0	-0.125	2.40	2.27	18.29	99	3.290	
0.25	0.125	2.02	1.91	20.21			
0.5	0.375	3.46	3.28	23.49			
0.75	0.625	4.10	3.88	27.37			
1	0.875	4.23	4.01	31.38			
1.25	1.125	4.77	4.52	35.90			
1.5	1.375	6.17	5.85	41.74			
1.75	1.625	6.74	6.39	48.13			
2	1.875	6.41	6.07	54.20			
2.25	2.125	9.08	8.60	62.80			
2.5	2.375	17.84	16.90	79.71			
2.75	2.625	8.37	7.93	87.64			
3	2.875	8.17	7.74	95.38			
3.25	3.125	2.92	2.77	98.14			
3.5	3.375	1.39	1.32	99.46			
3.75	3.625	0.33	0.31	99.77			
4	3.875	0.14	0.13	99.91			
>4.0	4.25	0.10	0.09	100.00			
					Graphic Phi Parameters		
					Mean	1.065	1.277
					Standard Deviation	1.445	1.688
					Skewness (1)	-0.439	-0.537
					Skewness (2)	-1.400	
					Kurtosis	1.206	1.424



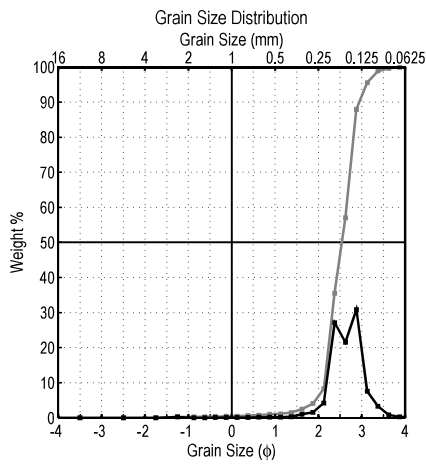
**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-3-5  
**Sample** 7.8-8.8  
**Mean** 0.364 mm  
**STD** 0.370 mm  
**Skewness** -1.039  
**USCS** Wentworth  
 SP Medium Sand  
 Fine Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Leptokurtic  
 Total weight (gram) 109.23  
 % finer than 0.0625 mm 0.17  
 % coarser than 2.00 mm 5.81  
 CaCO3 19.1



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-4-1  
**Sample** 0-2.2  
**Mean** 0.584 mm  
**STD** 0.257 mm  
**Skewness** -0.475  
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Platykurtic  
 Total weight (gram) 105.01  
 % finer than 0.0625 mm 0.08  
 % coarser than 2.00 mm 23.38  
 CaCO3 33.5

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.645	Mean 1.458 0.364
-3	-3.5	1.28	1.17	1.17	5	-1.540	Standard Deviation 1.434 0.370
-2	-2.5	2.15	1.97	3.14	16	0.010	Skewness -1.039
-1.5	-1.75	1.40	1.28	4.42	25	0.450	Kurtosis 4.018
-1	-1.25	1.52	1.39	5.81	50	1.645	Dispersion
-0.75	-0.875	1.21	1.11	6.92	75	2.450	Standard Deviation
-0.5	-0.625	2.05	1.88	8.80	84	2.690	Deviation from Normal
-0.25	-0.375	2.44	2.23	11.03	95	3.010	
0	-0.125	3.63	3.32	14.36	99	3.360	
0.25	0.125	3.38	3.09	17.45			
0.5	0.375	6.21	5.69	23.13			
0.75	0.625	6.95	6.36	29.50			
1	0.875	5.46	5.00	34.50			
1.25	1.125	5.62	5.15	39.64			
1.5	1.375	5.41	4.95	44.59			
1.75	1.625	5.52	5.05	49.65			
2	1.875	4.91	4.50	54.14			
2.25	2.125	6.36	5.82	59.97			
2.5	2.375	13.05	12.50	72.46			
2.75	2.625	9.42	8.62	81.09			
3	2.875	12.55	11.49	92.58			
3.25	3.125	4.86	4.45	97.02			
3.5	3.375	2.30	2.11	99.13			
3.75	3.625	0.53	0.49	99.62			
4	3.875	0.23	0.21	99.83			
>4.0	4.25	0.19	0.17	100.00			
					Graphic Phi Parameters		
					Mean	1.350	1.448
					Standard Deviation	1.340	1.359
					Skewness (1)	-0.220	-0.310
					Skewness (2)	-0.679	
					Kurtosis	0.698	0.932

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.495	Mean 0.777 0.584
-3	-3.5	1.00	0.95	0.95	5	-3.170	Standard Deviation 1.958 0.257
-2	-2.5	12.85	12.24	13.19	16	-2.120	Skewness -0.475
-1.5	-1.75	5.85	5.57	18.76	25	-1.030	Kurtosis 1.833
-1	-1.25	4.85	4.62	23.38	50	1.125	Dispersion
-0.75	-0.875	2.92	2.78	26.16	75	2.365	Standard Deviation
-0.5	-0.625	3.56	3.39	29.55	84	2.605	Deviation from Normal
-0.25	-0.375	2.86	2.72	32.27	95	2.865	
0	-0.125	3.39	3.23	35.50	99	3.285	
0.25	0.125	2.62	2.50	38.00			
0.5	0.375	3.84	3.66	41.65			
0.75	0.625	3.75	3.57	45.22			
1	0.875	2.44	2.32	47.55			
1.25	1.125	2.58	2.46	50.00			
1.5	1.375	2.63	2.50	52.51			
1.75	1.625	2.45	2.33	54.84			
2	1.875	2.31	2.20	57.04			
2.25	2.125	4.04	3.85	60.89			
2.5	2.375	14.49	13.80	74.69			
2.75	2.625	10.63	10.12	84.81			
3	2.875	11.06	10.53	95.34			
3.25	3.125	3.06	2.91	98.25			
3.5	3.375	1.23	1.17	99.43			
3.75	3.625	0.36	0.34	99.77			
4	3.875	0.16	0.15	99.92			
>4.0	4.25	0.08	0.08	100.00			
					Graphic Phi Parameters		
					Mean	0.242	0.537
					Standard Deviation	2.362	2.096
					Skewness (1)	-0.374	-0.398
					Skewness (2)	-0.541	
					Kurtosis	0.277	0.724



Project 2452  
 Location Edisto Beach, SC  
 Date Aug 2014  
 Station EB-4-2  
 Sample 2.2-5.0

Mean 0.161 mm  
 STD 0.730 mm  
 Skewness -2.678

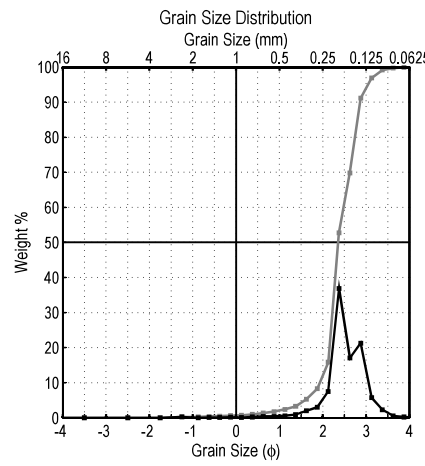
USCS Wentworth  
 SP Fine Sand  
 Fine Sand Well Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Very Leptokurtic

Total weight (gram) 102.75  
 % finer than 0.0625 mm 0.09  
 % coarser than 2.00 mm 0.27  
 CaCO3 5.4

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	0.00	0.00	0.00
-1.5	-1.75	0.00	0.00	0.00
-1	-1.25	0.28	0.27	0.27
-0.75	-0.875	0.02	0.02	0.29
-0.5	-0.625	0.04	0.04	0.33
-0.25	-0.375	0.05	0.05	0.38
0	-0.125	0.06	0.06	0.44
0.25	0.125	0.06	0.06	0.50
0.5	0.375	0.12	0.12	0.61
0.75	0.625	0.16	0.16	0.77
1	0.875	0.18	0.18	0.94
1.25	1.125	0.22	0.21	1.16
1.5	1.375	0.34	0.33	1.49
1.75	1.625	1.06	1.03	2.52
2	1.875	1.63	1.59	4.11
2.25	2.125	4.36	4.24	8.35
2.5	2.375	27.90	27.15	35.50
2.75	2.625	22.11	21.52	57.02
3	2.875	31.72	30.87	87.89
3.25	3.125	7.83	7.62	95.51
3.5	3.375	3.43	3.34	98.85
3.75	3.625	0.80	0.78	99.63
4	3.875	0.29	0.28	99.91
>4.0	4.25	0.09	0.09	100.00

Percentiles	Moment Measures (phi)	(mm)
1	0.940	
5	1.930	
16	2.195	
25	2.280	
50	2.545	
75	2.770	
84	2.845	
95	3.110	
99	3.425	

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	2.520	2.528
Standard Deviation	0.325	0.341
Skewness (1)	-0.077	-0.060
Skewness (2)	-0.077	
Kurtosis	0.815	0.987



Project 2452  
 Location Edisto Beach, SC  
 Date Aug 2014  
 Station EB-4-3  
 Sample 5.0-7.1

Mean 0.177 mm  
 STD 0.701 mm  
 Skewness -2.231

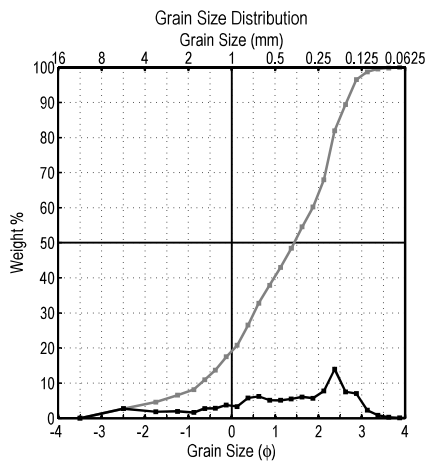
USCS Wentworth  
 SP Fine Sand  
 Fine Sand Moderately Well Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Very Leptokurtic

Total weight (gram) 105.45  
 % finer than 0.0625 mm 0.11  
 % coarser than 2.00 mm 0.27  
 CaCO3 4.5

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	0.00	0.00	0.00
-1.5	-1.75	0.00	0.00	0.00
-1	-1.25	0.28	0.27	0.27
-0.75	-0.875	0.03	0.03	0.29
-0.5	-0.625	0.12	0.11	0.41
-0.25	-0.375	0.07	0.07	0.47
0	-0.125	0.14	0.13	0.61
0.25	0.125	0.12	0.11	0.72
0.5	0.375	0.26	0.25	0.97
0.75	0.625	0.42	0.40	1.37
1	0.875	0.42	0.40	1.76
1.25	1.125	0.63	0.60	2.36
1.5	1.375	0.96	0.91	3.27
1.75	1.625	2.12	2.01	5.28
2	1.875	3.21	3.04	8.33
2.25	2.125	7.92	7.51	15.84
2.5	2.375	38.86	36.85	52.69
2.75	2.625	18.03	17.10	69.79
3	2.875	22.46	21.30	91.09
3.25	3.125	6.06	5.75	96.83
3.5	3.375	2.42	2.29	99.13
3.75	3.625	0.56	0.53	99.66
4	3.875	0.24	0.23	99.89
>4.0	4.25	0.12	0.11	100.00

Percentiles	Moment Measures (phi)	(mm)
1	0.395	
5	1.590	
16	2.125	
25	2.185	
50	2.355	
75	2.685	
84	2.790	
95	3.045	
99	3.360	

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	2.458	2.423
Standard Deviation	0.333	0.387
Skewness (1)	0.308	0.128
Skewness (2)	-0.113	
Kurtosis	1.188	1.193



Project 2452  
 Location Edisto Beach, SC  
 Date Aug 2014  
 Station EB-4-4  
 Sample 7.1-8.1

Mean 0.410 mm  
 STD 0.390 mm  
 Skewness -0.814

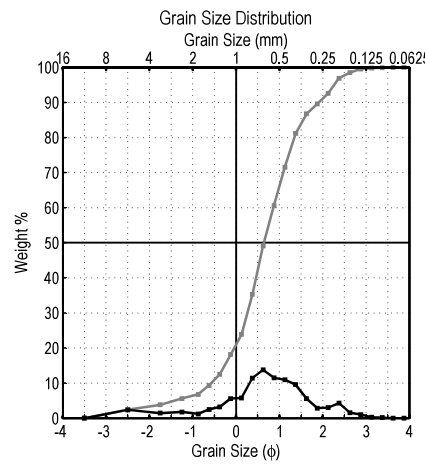
USCS Wentworth  
 SP Medium Sand  
 Fine Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 97.64  
 % finer than 0.0625 mm 0.08  
 % coarser than 2.00 mm 6.52  
 CaCO3 27.2

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	2.68	2.74	2.74
-1.5	-1.75	1.80	1.84	4.59
-1	-1.25	1.89	1.94	6.52
-0.75	-0.875	1.57	1.61	8.13
-0.5	-0.625	2.70	2.77	10.90
-0.25	-0.375	2.74	2.81	13.70
0	-0.125	3.67	3.76	17.46
0.25	0.125	3.26	3.34	20.80
0.5	0.375	5.61	5.75	26.55
0.75	0.625	6.05	6.20	32.74
1	0.875	4.99	5.11	37.85
1.25	1.125	4.96	5.08	42.93
1.5	1.375	5.36	5.49	48.42
1.75	1.625	5.93	6.07	54.50
2	1.875	5.54	5.67	60.17
2.25	2.125	7.60	7.78	67.95
2.5	2.375	13.60	13.93	81.88
2.75	2.625	7.34	7.52	89.40
3	2.875	6.89	7.06	96.46
3.25	3.125	2.20	2.25	98.71
3.5	3.375	0.82	0.84	99.55
3.75	3.625	0.26	0.27	99.82
4	3.875	0.10	0.10	99.92
>4.0	4.25	0.08	0.08	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.135	
5	-1.645	
16	-0.220	
25	0.310	
50	1.440	
75	2.250	
84	2.445	
95	2.825	
99	3.210	

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	1.113	1.222
Standard Deviation	1.333	1.344
Skewness (1)	-0.246	-0.313
Skewness (2)	-0.638	
Kurtosis	0.677	0.944



Project 2452  
 Location Edisto Beach, SC  
 Date Aug 2014  
 Station EB-19-1  
 Sample 0-3.0

Mean 0.600 mm  
 STD 0.491 mm  
 Skewness -0.647

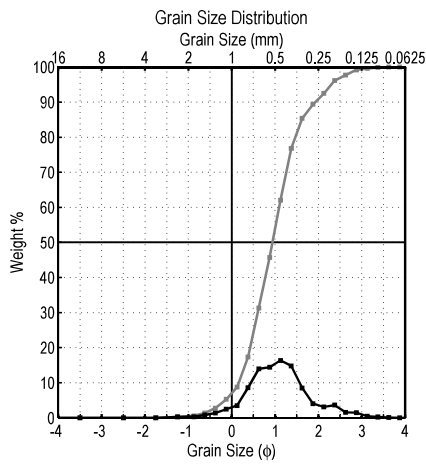
USCS Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Leptokurtic

Total weight (gram) 104.74  
 % finer than 0.0625 mm 0.03  
 % coarser than 2.00 mm 5.59  
 CaCO3 28.3

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	2.48	2.37	2.37
-1.5	-1.75	1.49	1.42	3.79
-1	-1.25	1.88	1.79	5.59
-0.75	-0.875	1.29	1.23	6.82
-0.5	-0.625	2.65	2.53	9.35
-0.25	-0.375	3.33	3.18	12.53
0	-0.125	5.88	5.61	18.14
0.25	0.125	6.02	5.75	23.89
0.5	0.375	11.98	11.44	35.33
0.75	0.625	14.43	13.78	49.10
1	0.875	12.06	11.51	60.62
1.25	1.125	11.45	10.93	71.55
1.5	1.375	10.05	9.60	81.14
1.75	1.625	5.86	5.59	86.74
2	1.875	2.99	2.85	89.59
2.25	2.125	3.17	3.03	92.62
2.5	2.375	4.48	4.28	96.90
2.75	2.625	1.65	1.58	98.47
3	2.875	1.08	1.03	99.50
3.25	3.125	0.28	0.27	99.77
3.5	3.375	0.15	0.14	99.91
3.75	3.625	0.04	0.04	99.95
4	3.875	0.02	0.02	99.97
>4.0	4.25	0.03	0.03	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.080	
5	-1.415	
16	-0.220	
25	0.150	
50	0.645	
75	1.215	
84	1.505	
95	2.285	
99	2.755	

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.643	0.643
Standard Deviation	0.862	0.989
Skewness (1)	-0.003	-0.061
Skewness (2)	-0.255	
Kurtosis	1.133	1.416



**Project** 2452  
**Location** Edisto Beach, SC

**Date** Aug 2014  
**Station** EB-19-2  
**Sample** 3.0-6.0

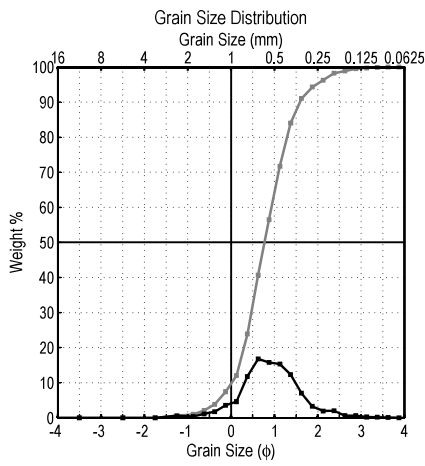
**Mean** 0.468 mm  
**STD** 0.609 mm  
**Skewness** 0.300

**USCS** Wentworth  
 SP Medium Sand  
 Medium Sand Moderately Sorted  
 Poorly Graded Symmetrical  
 Leptokurtic

Total weight (gram) 105.13  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 0.28  
 CaCO3 23.9

Class Limits	Mid Point (e)	(e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00	0.00
-2	-2.5	0.00	0.00	0.00	0.00
-1.5	-1.75	0.00	0.00	0.00	0.00
-1	-1.25	0.29	0.28	0.28	0.28
-0.75	-0.875	0.32	0.30	0.58	0.58
-0.5	-0.625	0.62	0.78	1.36	1.36
-0.25	-0.375	1.48	1.41	2.77	2.77
0	-0.125	2.62	2.49	5.26	5.26
0.25	0.125	3.68	3.50	8.76	8.76
0.5	0.375	9.02	8.58	17.34	17.34
0.75	0.625	14.63	13.92	31.26	31.26
1	0.875	15.13	14.39	45.65	45.65
1.25	1.125	17.20	16.36	62.01	62.01
1.5	1.375	15.56	14.80	76.81	76.81
1.75	1.625	8.96	8.52	85.33	85.33
2	1.875	4.27	4.06	89.39	89.39
2.25	2.125	3.25	3.09	92.49	92.49
2.5	2.375	3.82	3.63	96.12	96.12
2.75	2.625	1.63	1.55	97.67	97.67
3	2.875	1.57	1.49	99.16	99.16
3.25	3.125	0.47	0.45	99.61	99.61
3.5	3.375	0.27	0.26	99.87	99.87
3.75	3.625	0.09	0.09	99.95	99.95
4	3.875	0.03	0.03	99.98	99.98
>4.0	4.25	0.02	0.02	100.00	100.00

Percentiles	Moment Measures (phi) (mm)	
	Inman 1952	Folk & Ward 1957
1	-0.740	
5	-0.150	
16	0.335	
25	0.515	
50	0.940	
75	1.345	
84	1.585	
95	2.300	
99	2.850	
Mean	0.960	0.953
Standard Deviation	0.625	0.684
Skewness (1)	0.032	0.071
Skewness (2)	0.216	
Kurtosis	0.960	1.210



**Project** 2452  
**Location** Edisto Beach, SC

**Date** Aug 2014  
**Station** EB-19-3  
**Sample** 6.0-7.8

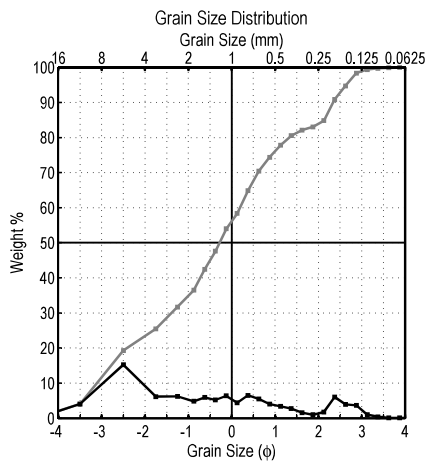
**Mean** 0.528 mm  
**STD** 0.627 mm  
**Skewness** 0.212

**USCS** Wentworth  
 SP Coarse Sand  
 Moderately Well Sorted  
 Poorly Graded Symmetrical  
 Leptokurtic

Total weight (gram) 111.39  
 % finer than 0.0625 mm 0.00  
 % coarser than 2.00 mm 0.58  
 CaCO3 24.8

Class Limits	Mid Point (e)	(e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00	0.00
-2	-2.5	0.00	0.00	0.00	0.00
-1.5	-1.75	0.00	0.00	0.00	0.00
-1	-1.25	0.65	0.58	0.58	0.58
-0.75	-0.875	0.42	0.38	0.96	0.96
-0.5	-0.625	1.26	1.13	2.09	2.09
-0.25	-0.375	1.94	1.74	3.83	3.83
0	-0.125	4.01	3.60	7.43	7.43
0.25	0.125	5.16	4.63	12.07	12.07
0.5	0.375	13.14	11.80	23.86	23.86
0.75	0.625	18.69	16.78	40.64	40.64
1	0.875	17.58	15.78	56.42	56.42
1.25	1.125	17.03	15.29	71.71	71.71
1.5	1.375	13.69	12.29	84.00	84.00
1.75	1.625	7.80	7.00	91.00	91.00
2	1.875	3.65	3.28	94.28	94.28
2.25	2.125	2.19	1.97	96.25	96.25
2.5	2.375	2.22	1.99	98.24	98.24
2.75	2.625	0.67	0.60	98.84	98.84
3	2.875	0.69	0.62	99.46	99.46
3.25	3.125	0.27	0.24	99.70	99.70
3.5	3.375	0.21	0.19	99.89	99.89
3.75	3.625	0.08	0.07	99.96	99.96
4	3.875	0.04	0.04	100.00	100.00
>4.0	4.25	0.00	0.00	100.00	100.00

Percentiles	Moment Measures (phi) (mm)	
	Inman 1952	Folk & Ward 1957
1	-0.865	
5	-0.295	
16	0.210	
25	0.390	
50	0.775	
75	1.190	
84	1.375	
95	1.965	
99	2.690	
Mean	0.921	0.528
Standard Deviation	0.674	0.627
Skewness	0.212	
Kurtosis	4.207	
Dispersion		
Standard Deviation		
Deviation from Normal		



**Project** 2452  
**Location** Edisto Beach, SC

**Date** Aug 2014  
**Station** EB-27-1  
**Sample** 0-3.0

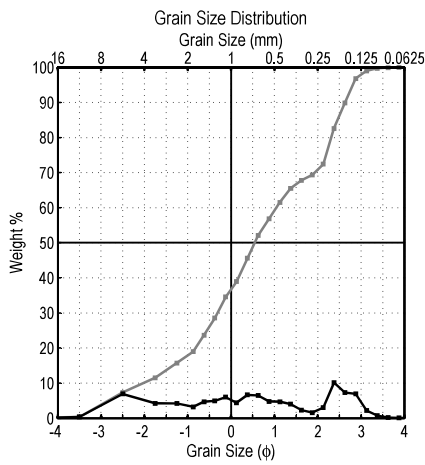
**Mean** 1.113 mm  
**STD** 0.291 mm  
**Skewness** 0.054

**USCS** Wentworth  
 SW Very Coarse Sand  
 Medium Sand Poorly Sorted  
 Well Graded Symmetrical  
 Platykurtic

Total weight (gram) 104.75  
 % finer than 0.0625 mm 0.06  
 % coarser than 2.00 mm 31.67  
 CaCO3 43.5

Class Limits	Mid Point (e)	(e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00	0.00
-3	-3.5	4.24	4.05	4.05	4.05
-2	-2.5	15.98	15.26	19.30	19.30
-1.5	-1.75	6.44	6.15	25.45	25.45
-1	-1.25	6.51	6.21	31.67	31.67
-0.75	-0.875	5.07	4.84	36.51	36.51
-0.5	-0.625	6.19	5.90	42.41	42.41
-0.25	-0.375	5.45	5.20	47.61	47.61
0	-0.125	6.68	6.38	53.99	53.99
0.25	0.125	4.61	4.40	58.39	58.39
0.5	0.375	6.81	6.50	64.89	64.89
0.75	0.625	5.74	5.48	70.37	70.37
1	0.875	4.18	3.99	74.36	74.36
1.25	1.125	3.59	3.43	77.79	77.79
1.5	1.375	2.86	2.73	80.52	80.52
1.75	1.625	1.65	1.58	82.09	82.09
2	1.875	0.99	0.95	83.04	83.04
2.25	2.125	1.84	1.76	84.79	84.79
2.5	2.375	6.31	6.02	90.82	90.82
2.75	2.625	4.09	3.90	94.72	94.72
3	2.875	3.79	3.62	98.34	98.34
3.25	3.125	1.04	0.99	99.33	99.33
3.5	3.375	0.42	0.40	99.73	99.73
3.75	3.625	0.13	0.12	99.86	99.86
4	3.875	0.09	0.09	99.94	99.94
>4.0	4.25	0.06	0.06	100.00	100.00

Percentiles	Moment Measures (phi) (mm)	
	Inman 1952	Folk & Ward 1957
1	-4.255	
5	-3.440	
16	-2.715	
25	-1.805	
50	-0.280	
75	0.920	
84	2.010	
95	2.645	
99	3.040	
Mean	-0.353	-0.328
Standard Deviation	2.362	2.103
Skewness (1)	-0.031	-0.035
Skewness (2)	-0.050	
Kurtosis	0.288	0.915



**Project** 2452  
**Location** Edisto Beach, SC

**Date** Aug 2014  
**Station** EB-27-2  
**Sample** 3.0-5.8

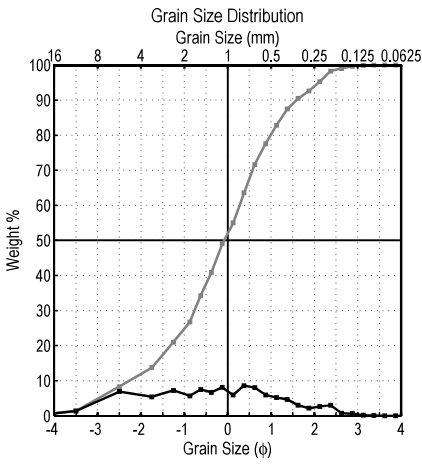
**Mean** 0.619 mm  
**STD** 0.321 mm  
**Skewness** -0.306

**USCS** Wentworth  
 SP Coarse Sand  
 Poorly Sorted Symmetrical  
 Platykurtic

Total weight (gram) 111.14  
 % finer than 0.0625 mm 0.04  
 % coarser than 2.00 mm 15.71  
 CaCO3 39.2

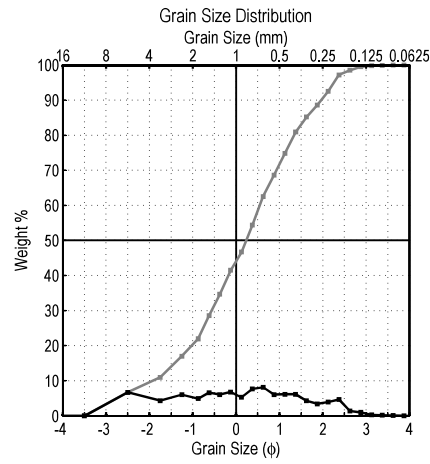
Class Limits	Mid Point (e)	(e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00	0.00
-3	-3.5	0.42	0.38	0.38	0.38
-2	-2.5	7.69	6.92	7.30	7.30
-1.5	-1.75	4.71	4.24	11.54	11.54
-1	-1.25	4.64	4.17	15.71	15.71
-0.75	-0.875	3.59	3.23	18.94	18.94
-0.5	-0.625	5.23	4.71	23.65	23.65
-0.25	-0.375	5.45	4.90	28.55	28.55
0	-0.125	6.66	5.99	34.54	34.54
0.25	0.125	4.89	4.40	38.94	38.94
0.5	0.375	7.37	6.63	45.57	45.57
0.75	0.625	7.20	6.48	52.05	52.05
1	0.875	5.31	4.78	56.83	56.83
1.25	1.125	5.20	4.68	61.51	61.51
1.5	1.375	4.47	4.02	65.53	65.53
1.75	1.625	2.54	2.29	67.82	67.82
2	1.875	1.72	1.55	69.36	69.36
2.25	2.125	3.36	3.02	72.39	72.39
2.5	2.375	11.29	10.16	82.54	82.54
2.75	2.625	8.08	7.27	89.81	89.81
3	2.875	7.76	6.98	96.80	96.80
3.25	3.125	2.42	2.18	98.97	98.97
3.5	3.375	0.82	0.74	99.71	99.71
3.75	3.625	0.18	0.16	99.87	99.87
4	3.875	0.09	0.08	99.96	99.96
>4.0	4.25	0.05	0.04	100.00	100.00

Percentiles	Moment Measures (phi) (mm)	
	Inman 1952	Folk & Ward 1957
1	-3.410	
5	-2.830	
16	-1.215	
25	-0.555	
50	0.545	
75	2.190	
84	2.425	
95	2.810	
99	3.195	
Mean	0.605	0.585
Standard Deviation	1.820	1.765
Skewness (1)	0.033	-0.082
Skewness (2)	-0.305	
Kurtosis	0.549	0.842



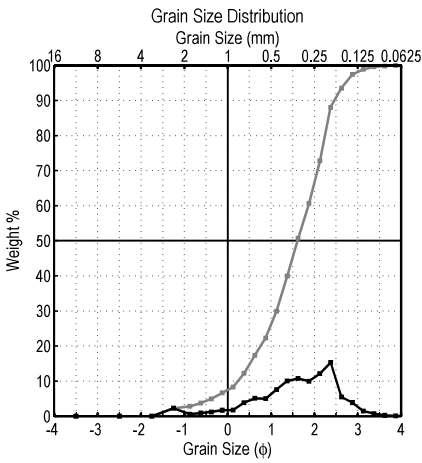
Project 2452  
Location Edisto Beach, SC  
Date Aug 2014  
Station T-101-1  
Sample 0-2.5  
Mean 1.006 mm  
STD 0.395 mm  
Skewness -0.217  
USCS Wentworth  
SP Very Coarse Sand  
Medium Sand  
Poorly Sorted  
Poorly Graded  
Symmetrical  
Mesokurtic  
Total weight (gram) 105.51  
% finer than 0.0625 mm 0.01  
% coarser than 2.00 mm 21.00  
CaCO3 50.8

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.775	Mean -0.008
-3	-3.5	1.46	1.38	1.38	5	-2.980	Standard Deviation 1.341
-2	-2.5	7.33	6.95	8.33	16	-1.595	Skewness -0.217
-1.5	-1.75	5.73	5.43	13.76	25	-0.985	Kurtosis 2.783
-1	-1.25	7.64	7.24	21.00	50	-0.085	Dispersion
-0.75	-0.875	6.01	5.70	26.70	75	0.770	Standard Deviation
-0.5	-0.625	7.95	7.53	34.23	84	1.190	Deviation from Normal
-0.25	-0.375	7.06	6.69	40.93	95	2.100	
0	-0.125	8.56	8.11	49.04	99	2.625	
0.25	0.125	6.26	5.93	54.97	Graphic Phi Parameters		
0.5	0.375	9.07	8.60	63.57	Inman 1952	Folk & Ward 1957	
0.75	0.625	8.49	8.05	71.61			Mean -0.202
1	0.875	6.25	5.92	77.54			Standard Deviation 1.392
1.25	1.125	5.52	5.23	82.77			Skewness (1) -0.084
1.5	1.375	4.96	4.70	87.47			Skewness (2) -0.255
1.75	1.625	3.16	2.99	90.47			Kurtosis 0.824
2	1.875	2.27	2.15	92.62			
2.25	2.125	2.77	2.63	95.24			
2.5	2.375	3.20	3.03	98.26			
2.75	2.625	3.77	3.59	99.00			
3	2.875	0.67	0.64	99.64			
3.25	3.125	0.21	0.20	99.84			
3.5	3.375	0.12	0.11	99.95			
3.75	3.625	0.03	0.03	99.98			
4	3.875	0.01	0.01	99.99			
>4.0	4.25	0.01	0.01	100.00			



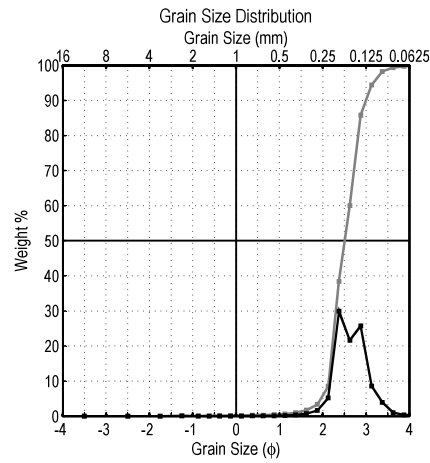
Project 2452  
Location Edisto Beach, SC  
Date Aug 2014  
Station T-101-2  
Sample 2.5-4.1  
Mean 0.831 mm  
STD 0.391 mm  
Skewness -0.216  
USCS Wentworth  
SP Coarse Sand  
Medium Sand  
Well Sorted  
Poorly Graded  
Symmetrical  
Platykurtic  
Total weight (gram) 108.84  
% finer than 0.0625 mm 0.04  
% coarser than 2.00 mm 17.02  
CaCO3 40.7

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.350	Mean 0.268
-3	-3.5	0.00	0.00	0.00	5	-2.750	Standard Deviation 1.355
-2	-2.5	7.27	6.68	6.68	16	-1.335	Skewness -0.216
-1.5	-1.75	4.68	4.30	10.98	25	-0.760	Kurtosis 2.486
-1	-1.25	6.58	6.05	17.02	50	0.230	Dispersion
-0.75	-0.875	5.36	4.92	21.95	75	1.135	Standard Deviation
-0.5	-0.625	7.19	6.61	28.56	84	1.555	Deviation from Normal
-0.25	-0.375	6.61	6.07	34.63	95	2.260	
0	-0.125	7.42	6.82	41.45	99	2.760	
0.25	0.125	5.72	5.26	46.70	Graphic Phi Parameters		
0.5	0.375	8.37	7.69	54.39	Inman 1952	Folk & Ward 1957	
0.75	0.625	8.83	8.11	62.50			Mean 0.110
1	0.875	6.63	6.09	68.60			Standard Deviation 1.445
1.25	1.125	6.71	6.17	74.76			Skewness (1) -0.083
1.5	1.375	6.69	6.15	80.91			Skewness (2) -0.329
1.75	1.625	4.63	4.25	85.16			Kurtosis 0.734
2	1.875	3.72	3.42	88.58			
2.25	2.125	4.27	3.92	92.50			
2.5	2.375	5.06	4.65	97.15			
2.75	2.625	1.46	1.34	98.49			
3	2.875	1.04	0.96	99.45			
3.25	3.125	0.32	0.29	99.74			
3.5	3.375	0.16	0.15	99.89			
3.75	3.625	0.05	0.05	99.94			
4	3.875	0.03	0.03	99.96			
>4.0	4.25	0.04	0.04	100.00			



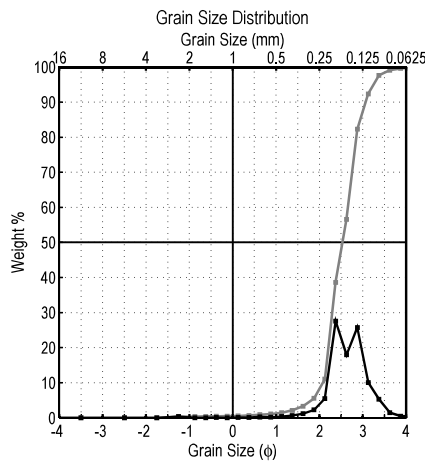
Project 2452  
Location Edisto Beach, SC  
Date Aug 2014  
Station T-101-3  
Sample 4.1-6.3  
Mean 0.331 mm  
STD 0.521 mm  
Skewness -0.846  
USCS Wentworth  
SP Medium Sand  
Fine Sand  
Well Sorted  
Poorly Graded  
Coarse Skewed  
Leptokurtic  
Total weight (gram) 108.23  
% finer than 0.0625 mm 0.08  
% coarser than 2.00 mm 2.24  
CaCO3 27.4

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-1.525	Mean 1.593
-3	-3.5	0.00	0.00	0.00	5	-0.365	Standard Deviation 0.940
-2	-2.5	0.00	0.00	0.00	16	0.560	Skewness -0.846
-1.5	-1.75	0.00	0.00	0.00	25	0.965	Kurtosis 3.786
-1	-1.25	2.42	2.24	2.24	50	1.610	Dispersion
-0.75	-0.875	0.64	0.59	2.83	75	2.160	Standard Deviation
-0.5	-0.625	0.97	0.90	3.72	84	2.310	Deviation from Normal
-0.25	-0.375	1.31	1.21	4.93	95	2.720	
0	-0.125	1.85	1.71	6.64	99	3.175	
0.25	0.125	1.86	1.72	8.36	Graphic Phi Parameters		
0.5	0.375	4.15	3.83	12.20	Inman 1952	Folk & Ward 1957	
0.75	0.625	5.52	5.10	17.30			Mean 1.435
1	0.875	5.40	4.99	22.29			Standard Deviation 0.875
1.25	1.125	8.23	7.60	29.89			Skewness (1) -0.200
1.5	1.375	10.88	10.05	39.94			Skewness (2) -0.494
1.75	1.625	11.64	10.75	50.70			Kurtosis 0.763
2	1.875	10.78	9.96	60.66			
2.25	2.125	13.11	12.11	72.77			
2.5	2.375	16.55	15.29	88.06			
2.75	2.625	5.90	5.45	93.51			
3	2.875	4.19	3.87	97.39			
3.25	3.125	1.59	1.47	98.85			
3.5	3.375	0.80	0.74	99.59			
3.75	3.625	0.24	0.22	99.82			
4	3.875	0.11	0.10	99.92			
>4.0	4.25	0.09	0.08	100.00			



Project 2452  
Location Edisto Beach, SC  
Date Aug 2014  
Station T-102-1  
Sample 0-3  
Mean 0.160 mm  
STD 0.750 mm  
Skewness -1.048  
USCS Wentworth  
SP Fine Sand  
Well Sorted  
Poorly Graded  
Coarse Skewed  
Very Leptokurtic  
Total weight (gram) 109.48  
% finer than 0.0625 mm 0.32  
% coarser than 2.00 mm 0.05  
CaCO3 4.5

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	1.385	Mean 2.643
-3	-3.5	0.00	0.00	0.00	5	1.955	Standard Deviation 0.415
-2	-2.5	0.00	0.00	0.00	16	2.185	Skewness 0.352
-1.5	-1.75	0.00	0.00	0.00	25	2.265	Skewness (1) -1.048
-1	-1.25	0.06	0.05	0.05	50	2.510	Kurtosis 12.897
-0.75	-0.875	0.02	0.02	0.07	75	2.770	Dispersion
-0.5	-0.625	0.04	0.04	0.11	84	2.880	Standard Deviation
-0.25	-0.375	0.03	0.03	0.14	95	3.165	Deviation from Normal
0	-0.125	0.04	0.04	0.17	99	3.550	
0.25	0.125	0.03	0.03	0.20	Graphic Phi Parameters		
0.5	0.375	0.05	0.05	0.25	Inman 1952	Folk & Ward 1957	
0.75	0.625	0.10	0.09	0.34			Mean 2.523
1	0.875	0.11	0.10	0.44			Standard Deviation 0.337
1.25	1.125	0.19	0.17	0.61			Skewness (1) 0.037
1.5	1.375	0.39	0.36	0.97			Skewness (2) 0.148
1.75	1.625	0.83	0.76	1.73			Kurtosis 0.793
2	1.875	1.78	1.63	3.35			
2.25	2.125	5.68	5.19	8.54			
2.5	2.375	32.72	29.89	38.43			
2.75	2.625	23.68	21.63	60.06			
3	2.875	28.15	25.71	85.77			
3.25	3.125	9.39	8.58	94.35			
3.5	3.375	4.31	3.94	98.28			
3.75	3.625	1.13	1.03	99.31			
4	3.875	0.40	0.37	99.68			
>4.0	4.25	0.35	0.32	100.00			



Project 2452  
 Location Edisto Beach, SC  
 Date Aug 2014  
 Station T-102-2  
 Sample 3-6.7

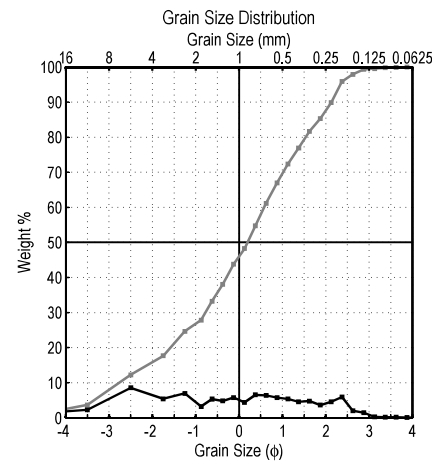
Mean 0.161 mm  
 STD 0.698 mm  
 Skewness -2.036

USCS Wentworth  
 SP Fine Sand  
 Fine Sand Moderately Well Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Very Leptokurtic

Total weight (gram) 104.71  
 % finer than 0.0625 mm 0.40  
 % coarser than 2.00 mm 0.34  
 CaCO<sub>3</sub> 5.6

Class Limits (e)	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	0.00	0.00	0.00
-1.5	-1.75	0.00	0.00	0.00
-1	-1.25	0.36	0.34	0.34
-0.75	-0.875	0.03	0.03	0.37
-0.5	-0.625	0.04	0.04	0.41
-0.25	-0.375	0.05	0.05	0.46
0	-0.125	0.04	0.04	0.50
0.25	0.125	0.05	0.05	0.54
0.5	0.375	0.12	0.11	0.66
0.75	0.625	0.23	0.22	0.88
1	0.875	0.22	0.21	1.09
1.25	1.125	0.37	0.35	1.44
1.5	1.375	0.70	0.67	2.11
1.75	1.625	1.26	1.20	3.31
2	1.875	2.34	2.23	5.55
2.25	2.125	5.74	5.48	11.03
2.5	2.375	28.85	27.55	38.58
2.75	2.625	18.79	17.94	56.53
3	2.875	26.96	25.75	82.27
3.25	3.125	10.52	10.05	92.32
3.5	3.375	5.54	5.29	97.61
3.75	3.625	1.55	1.48	99.09
4	3.875	0.53	0.51	99.60
>4.0	4.25	0.42	0.40	100.00

Percentiles	Moment Measures (phi) (mm)	
	Inman 1952	Folk & Ward 1957
1	0.770	
5	1.815	
16	2.170	
25	2.250	
50	2.535	
75	2.805	
84	2.920	
95	3.250	
99	3.610	
<b>Graphic Phi Parameters</b>		
Mean	2.545	2.542
Standard Deviation	0.375	0.405
Skewness (1)	0.027	0.012
Skewness (2)	-0.007	
Kurtosis	0.913	1.060



Project 2452  
 Location Edisto Beach, SC  
 Date Sep 2015  
 Station EB-101  
 Sample 0 - 2.7

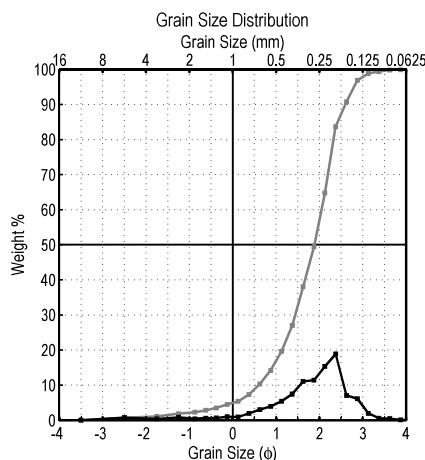
Mean 0.919 mm  
 STD 0.315 mm  
 Skewness -0.459

USCS Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 107.27  
 % finer than 0.0625 mm 0.05  
 % coarser than 2.00 mm 24.64  
 CaCO<sub>3</sub> 53.6

Class Limits (e)	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	1.49	1.39	1.39
-3	-3.5	2.45	2.28	3.67
-2	-2.5	9.18	8.56	12.23
-1.5	-1.75	5.84	5.44	17.68
-1	-1.25	7.47	6.96	24.64
-0.75	-0.875	3.48	3.24	27.88
-0.5	-0.625	5.73	5.34	33.22
-0.25	-0.375	5.19	4.84	38.06
0	-0.125	6.17	5.75	43.81
0.25	0.125	4.73	4.41	48.22
0.5	0.375	7.01	6.53	54.76
0.75	0.625	6.85	6.39	61.14
1	0.875	6.20	5.78	66.92
1.25	1.125	5.79	5.40	72.32
1.5	1.375	4.89	4.56	76.88
1.75	1.625	5.13	4.78	81.66
2	1.875	3.91	3.65	85.31
2.25	2.125	4.89	4.56	89.87
2.5	2.375	6.38	5.95	95.81
2.75	2.625	2.20	2.05	97.87
3	2.875	1.53	1.43	99.29
3.25	3.125	0.29	0.27	99.56
3.5	3.375	0.22	0.21	99.77
3.75	3.625	0.15	0.14	99.91
4	3.875	0.05	0.05	99.95
>4.0	4.25	0.05	0.05	100.00

Percentiles	Moment Measures (phi) (mm)	
	Inman 1952	Folk & Ward 1957
1	-4.500	
5	-3.345	
16	-1.980	
25	-1.210	
50	0.195	
75	1.270	
84	1.785	
95	2.340	
99	2.825	
<b>Graphic Phi Parameters</b>		
Mean	-0.097	0.000
Standard Deviation	1.883	1.803
Skewness (1)	-0.155	-0.200
Skewness (2)	-0.371	
Kurtosis	0.510	0.939



Project 2452  
 Location Edisto Beach, SC  
 Date Sep 2015  
 Station EB-101  
 Sample 2.7 - 5.1

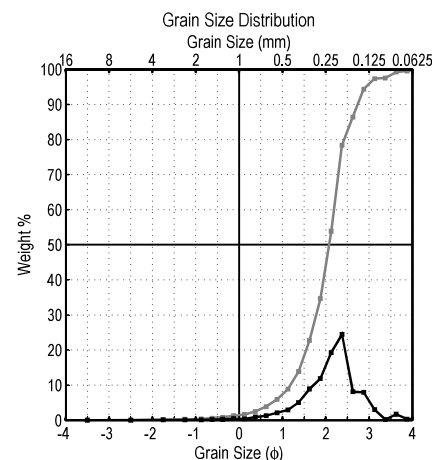
Mean 0.285 mm  
 STD 0.531 mm  
 Skewness -1.582

USCS Wentworth  
 SP Medium Sand  
 Fine Sand Moderately Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Leptokurtic

Total weight (gram) 110.04  
 % finer than 0.0625 mm 0.10  
 % coarser than 2.00 mm 1.87  
 CaCO<sub>3</sub> 20.7

Class Limits (e)	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	0.77	0.70	0.70
-1.5	-1.75	0.42	0.38	1.08
-1	-1.25	0.87	0.79	1.87
-0.75	-0.875	0.43	0.39	2.26
-0.5	-0.625	0.62	0.56	2.83
-0.25	-0.375	0.74	0.67	3.50
0	-0.125	1.07	0.97	4.47
0.25	0.125	1.00	0.91	5.38
0.5	0.375	2.13	1.94	7.32
0.75	0.625	3.27	2.97	10.29
1	0.875	4.30	3.91	14.19
1.25	1.125	5.94	5.40	19.59
1.5	1.375	8.17	7.42	27.02
1.75	1.625	12.15	11.04	38.06
2	1.875	12.54	11.40	49.45
2.25	2.125	16.87	15.33	64.79
2.5	2.375	20.74	18.85	83.63
2.75	2.625	7.77	7.06	90.69
3	2.875	6.75	6.13	96.83
3.25	3.125	2.17	1.97	98.80
3.5	3.375	0.61	0.55	99.35
3.75	3.625	0.50	0.45	99.81
4	3.875	0.10	0.09	99.90
>4.0	4.25	0.11	0.10	100.00

Percentiles	Moment Measures (phi) (mm)	
	Inman 1952	Folk & Ward 1957
1	-1.910	
5	0.020	
16	0.960	
25	1.305	
50	1.885	
75	2.260	
84	2.390	
95	2.800	
99	3.215	
<b>Graphic Phi Parameters</b>		
Mean	1.675	1.745
Standard Deviation	0.715	0.779
Skewness (1)	-0.294	-0.318
Skewness (2)	-0.664	
Kurtosis	0.944	1.193



Project 2452  
 Location Edisto Beach, SC  
 Date Sep 2015  
 Station EB-101  
 Sample 5.1 - 6.4

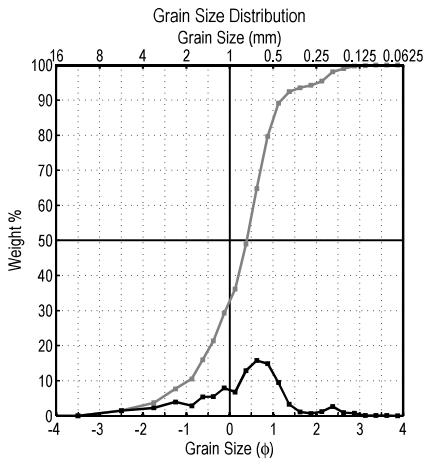
Mean 0.231 mm  
 STD 0.621 mm  
 Skewness -0.966

USCS Wentworth  
 SP Fine Sand  
 Fine Sand Moderately Well Sorted  
 Poorly Graded Coarse Skewed  
 Leptokurtic

Total weight (gram) 117.64  
 % finer than 0.0625 mm 0.45  
 % coarser than 2.00 mm 0.26  
 CaCO<sub>3</sub> 13.1

Class Limits (e)	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	0.04	0.03	0.03
-1.5	-1.75	0.12	0.10	0.14
-1	-1.25	0.15	0.13	0.26
-0.75	-0.875	0.14	0.12	0.38
-0.5	-0.625	0.23	0.20	0.58
-0.25	-0.375	0.29	0.25	0.82
0	-0.125	0.51	0.43	1.26
0.25	0.125	0.43	0.37	1.62
0.5	0.375	1.05	0.89	2.52
0.75	0.625	1.54	1.31	3.83
1	0.875	2.46	2.09	5.92
1.25	1.125	3.43	2.92	8.83
1.5	1.375	5.94	5.05	13.88
1.75	1.625	10.46	8.89	22.77
2	1.875	13.94	11.85	34.62
2.25	2.125	22.63	19.24	53.86
2.5	2.375	28.75	24.44	78.30
2.75	2.625	9.49	8.07	86.37
3	2.875	9.33	7.93	94.30
3.25	3.125	3.58	3.04	97.34
3.5	3.375	0.22	0.19	97.53
3.75	3.625	1.99	1.69	99.22
4	3.875	0.39	0.33	99.55
>4.0	4.25	0.53	0.45	100.00

Percentiles	Moment Measures (phi) (mm)	
	Inman 1952	Folk & Ward 1957
1	-0.275	
5	0.785	
16	1.435	
25	1.670	
50	2.075	
75	2.340	
84	2.550	
95	2.935	
99	3.595	
<b>Graphic Phi Parameters</b>		
Mean	1.992	2.020
Standard Deviation	0.557	0.608
Skewness (1)	-0.148	-0.178
Skewness (2)	-0.404	
Kurtosis	0.946	1.327

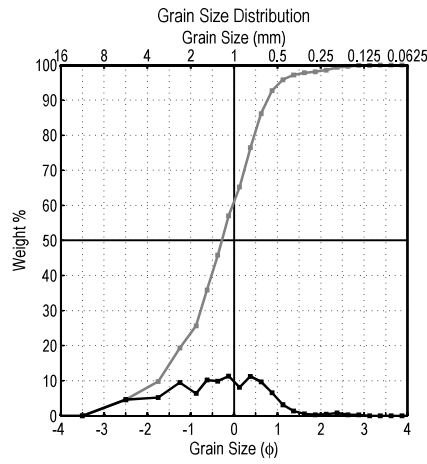


**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-107  
**Sample** 0 - 4.4  
**Mean** 0.759 mm  
**STD** 0.516 mm  
**Skewness** -0.251  
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Moderately Sorted  
 Poorly Graded Symmetrical  
 Leptokurtic  
 Total weight (gram) 108.80  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 7.68  
 CaCO3 52.7

Class Limits	Mid Point (e)	(e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	-2.825	
-3	-3.5	0.00	0.00	0.00	0.00	5	-1.590	
-2	-2.5	1.61	1.48	1.48		16	-0.620	
-1.5	-1.75	2.44	2.24	3.72		25	-0.260	
-1	-1.25	4.31	3.96	7.68		50	0.390	
-0.75	-0.875	3.09	2.84	10.52		75	0.795	
-0.5	-0.625	5.87	5.40	15.92		84	0.990	
-0.25	-0.375	5.97	5.49	21.41		95	2.045	
0	-0.125	8.63	7.93	29.34		99	2.645	
0.25	0.125	7.40	6.80	36.14				
0.5	0.375	14.01	12.88	49.02				
0.75	0.625	17.14	15.75	64.77				
1	0.875	16.15	14.84	79.61				
1.25	1.125	10.28	9.45	89.06				
1.5	1.375	3.60	3.31	92.37				
1.75	1.625	1.24	1.14	93.51				
2	1.875	0.74	0.68	94.19				
2.25	2.125	1.28	1.18	95.37				
2.5	2.375	2.87	2.64	98.01				
2.75	2.625	1.02	0.94	98.94				
3	2.875	0.81	0.74	99.69				
3.25	3.125	0.14	0.13	99.82				
3.5	3.375	0.11	0.10	99.92				
3.75	3.625	0.06	0.06	99.97				
4	3.875	0.01	0.01	99.98				
>4.0	4.25	0.02	0.02	100.00				

Percentiles	Inman	Folk & Ward
1	0.185	0.253
5	0.805	0.953
16	-0.255	-0.172
25	-0.202	-0.172
50	1.258	1.412

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.185	0.253
Standard Deviation	0.805	0.953
Skewness (1)	-0.255	-0.172
Skewness (2)	-0.202	-0.172
Kurtosis	1.258	1.412

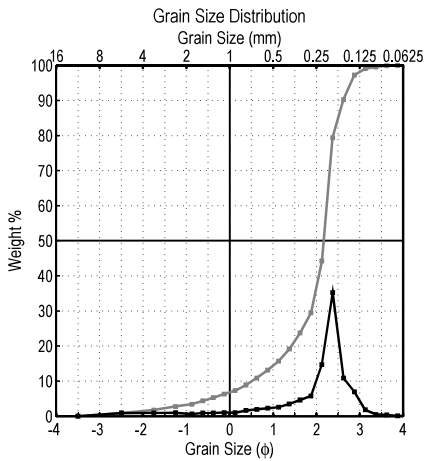


**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-107  
**Sample** 4.4 - 6.8  
**Mean** 1.154 mm  
**STD** 0.503 mm  
**Skewness** -0.104  
**USCS** Wentworth  
 SP Very Coarse Sand  
 Medium Sand Moderately Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic  
 Total weight (gram) 109.80  
 % finer than 0.0625 mm 0.03  
 % coarser than 2.00 mm 19.32  
 CaCO3 46.3

Class Limits	Mid Point (e)	(e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	-3.285	
-3	-3.5	0.00	0.00	0.00	0.00	5	-2.440	
-2	-2.5	5.05	4.60	4.60		16	-1.425	
-1.5	-1.75	5.71	5.20	9.80		25	-0.915	
-1	-1.25	10.45	9.52	19.32		50	-0.280	
-0.75	-0.875	6.98	6.36	25.67		75	0.345	
-0.5	-0.625	11.19	10.19	35.87		84	0.570	
-0.25	-0.375	10.84	9.87	45.74		95	1.065	
0	-0.125	12.42	11.31	57.05		99	2.285	
0.25	0.125	8.94	8.14	65.19				
0.5	0.375	12.35	11.25	76.44				
0.75	0.625	10.62	9.67	86.11				
1	0.875	7.16	6.52	92.63				
1.25	1.125	3.45	3.14	95.77				
1.5	1.375	1.50	1.37	97.14				
1.75	1.625	0.65	0.59	97.73				
2	1.875	0.35	0.32	98.05				
2.25	2.125	0.50	0.46	98.51				
2.5	2.375	0.85	0.77	99.28				
2.75	2.625	0.33	0.30	99.58				
3	2.875	0.30	0.27	99.85				
3.25	3.125	0.03	0.03	99.88				
3.5	3.375	0.04	0.04	99.92				
3.75	3.625	0.04	0.04	99.95				
4	3.875	0.02	0.02	99.97				
>4.0	4.25	0.03	0.03	100.00				

Percentiles	Inman	Folk & Ward
1	-0.427	-0.378
5	0.997	1.030
16	-0.148	-0.190
25	-0.409	-0.190
50	0.757	1.140

Graphic Phi Parameters	Inman	Folk & Ward
Mean	-0.427	-0.378
Standard Deviation	0.997	1.030
Skewness (1)	-0.148	-0.190
Skewness (2)	-0.409	-0.190
Kurtosis	0.757	1.140

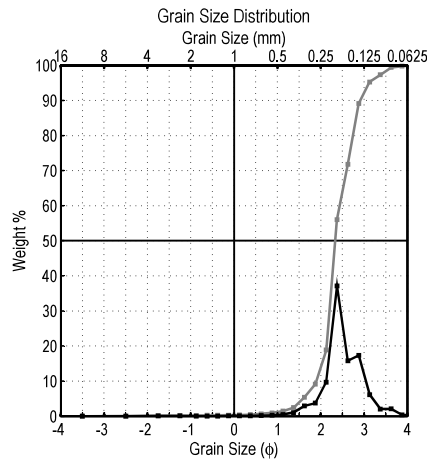


**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-108  
**Sample** 0 - 3.0  
**Mean** 0.258 mm  
**STD** 0.500 mm  
**Skewness** -2.117  
**USCS** Wentworth  
 SP Medium Sand  
 Fine Sand Poorly Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Very Leptokurtic  
 Total weight (gram) 102.85  
 % finer than 0.0625 mm 0.05  
 % coarser than 2.00 mm 2.77  
 CaCO3 37.9

Class Limits	Mid Point (e)	(e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	-2.405	
-3	-3.5	0.00	0.00	0.00	0.00	5	-0.450	
-2	-2.5	0.91	0.88	0.88		16	1.150	
-1.5	-1.75	0.93	0.90	1.79		25	1.680	
-1	-1.25	1.01	0.98	2.77		50	2.165	
-0.75	-0.875	0.66	0.64	3.41		75	2.345	
-0.5	-0.625	0.96	0.93	4.35		84	2.480	
-0.25	-0.375	0.95	0.92	5.27		95	2.795	
0	-0.125	1.10	1.07	6.34		99	3.120	
0.25	0.125	0.98	0.95	7.29				
0.5	0.375	1.66	1.61	8.91				
0.75	0.625	2.02	1.96	10.87				
1	0.875	2.32	2.26	13.13				
1.25	1.125	2.62	2.55	15.67				
1.5	1.375	3.56	3.46	19.13				
1.75	1.625	4.73	4.60	23.73				
2	1.875	5.93	5.77	29.50				
2.25	2.125	15.12	14.70	44.20				
2.5	2.375	36.21	35.21	79.41				
2.75	2.625	11.14	10.83	90.24				
3	2.875	7.16	6.96	97.20				
3.25	3.125	1.89	1.84	99.04				
3.5	3.375	0.50	0.49	99.52				
3.75	3.625	0.37	0.36	99.88				
4	3.875	0.07	0.07	99.95				
>4.0	4.25	0.05	0.05	100.00				

Percentiles	Inman	Folk & Ward
1	1.815	1.932
5	0.665	0.824
16	-0.526	-0.569
25	-1.492	-0.569
50	1.440	2.000

Graphic Phi Parameters	Inman	Folk & Ward
Mean	1.815	1.932
Standard Deviation	0.665	0.824
Skewness (1)	-0.526	-0.569
Skewness (2)	-1.492	-0.569
Kurtosis	1.440	2.000

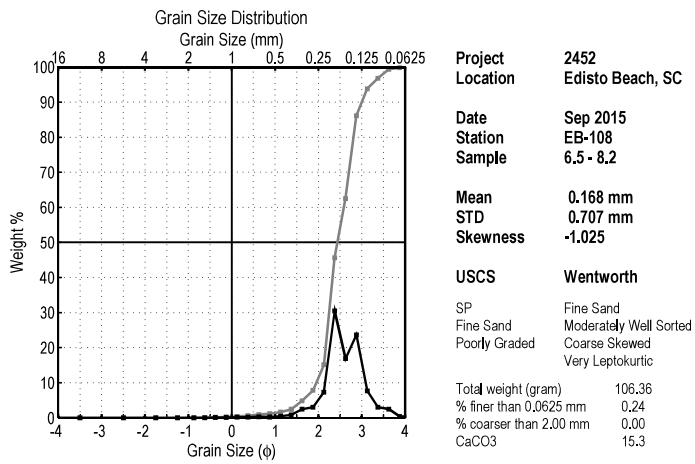


**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-108  
**Sample** 3 - 6.5  
**Mean** 0.177 mm  
**STD** 0.707 mm  
**Skewness** -1.403  
**USCS** Wentworth  
 SP Fine Sand  
 Fine Sand Moderately Well Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Very Leptokurtic  
 Total weight (gram) 107.86  
 % finer than 0.0625 mm 0.25  
 % coarser than 2.00 mm 0.17  
 CaCO3 36.2

Class Limits	Mid Point (e)	(e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	0.915	
-3	-3.5	0.00	0.00	0.00	0.00	5	1.590	
-2	-2.5	0.03	0.03	0.03		16	2.050	
-1.5	-1.75	0.08	0.07	0.10		25	2.165	
-1	-1.25	0.07	0.06	0.17		50	2.335	
-0.75	-0.875	0.03	0.03	0.19		75	2.670	
-0.5	-0.625	0.03	0.03	0.22		84	2.800	
-0.25	-0.375	0.04	0.04	0.26		95	3.115	
0	-0.125	0.05	0.05	0.31		99	3.580	
0.25	0.125	0.05	0.05	0.35				
0.5	0.375	0.12	0.11	0.46				
0.75	0.625	0.20	0.19	0.65				
1	0.875	0.29	0.27	0.92				
1.25	1.125	0.55	0.51	1.43				
1.5	1.375	1.13	1.05	2.48				
1.75	1.625	3.17	2.94	5.41				
2	1.875	4.02	3.73	9.14				
2.25	2.125	10.49	9.73	18.87				
2.5	2.375	40.02	37.10	55.97				
2.75	2.625	17.00	15.76	71.73				
3	2.875	18.71	17.35	89.08				
3.25	3.125	6.65	6.17	95.24				
3.5	3.375	2.20	2.04	97.28				
3.75	3.625	2.25	2.09	99.37				
4	3.875	0.41	0.38	99.75				
>4.0	4.25	0.27	0.25	100.00				

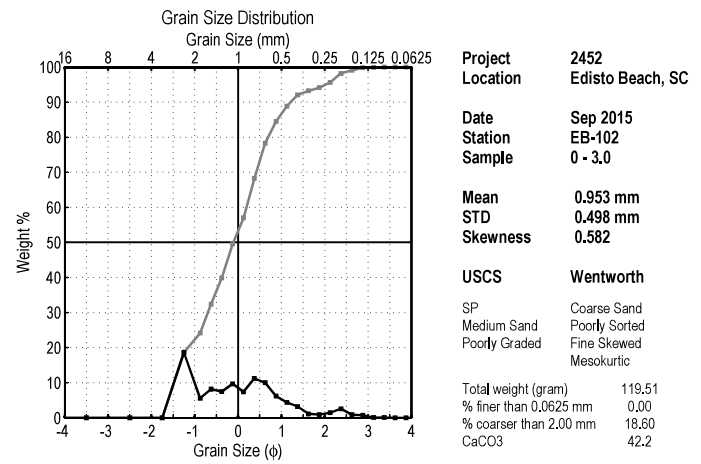
Percentiles	Inman	Folk & Ward
1	2.425	2.395
5	0.375	0.419
16	0.240	0.131
25	0.047	0.131
50	1.033	1.238

Graphic Phi Parameters	Inman	Folk & Ward
Mean	2.425	2.395
Standard Deviation	0.375	0.419
Skewness (1)	0.240	0.131
Skewness (2)	0.047	0.131
Kurtosis	1.033	1.238



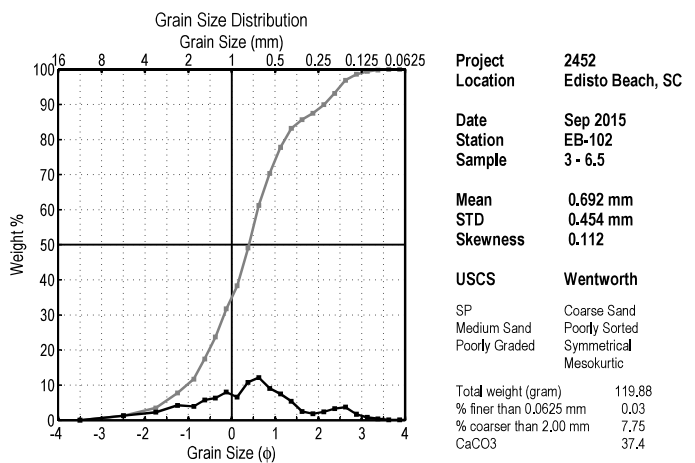
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	0.695	
-3	-3.5	0.00	0.00	0.00	5	1.635	
-2	-2.5	0.00	0.00	0.00	16	2.130	
-1.5	-1.75	0.00	0.00	0.00	25	2.205	
-1	-1.25	0.00	0.00	0.00	50	2.440	
-0.75	-0.875	0.01	0.01	0.01	75	2.760	
-0.5	-0.625	0.04	0.04	0.05	84	2.855	
-0.25	-0.375	0.11	0.10	0.15	95	3.225	
0	-0.125	0.13	0.12	0.27	99	3.590	
0.25	0.125	0.14	0.13	0.40			
0.5	0.375	0.22	0.21	0.61			
0.75	0.625	0.34	0.32	0.93			
1	0.875	0.26	0.24	1.18			
1.25	1.125	0.47	0.44	1.62			
1.5	1.375	0.87	0.82	2.44			
1.75	1.625	2.61	2.45	4.89			
2	1.875	3.15	2.96	7.85			
2.25	2.125	7.73	7.27	15.12			
2.5	2.375	32.40	30.46	45.58			
2.75	2.625	17.91	16.84	62.42			
3	2.875	25.17	23.66	86.08			
3.25	3.125	8.20	7.71	93.79			
3.5	3.375	3.21	3.02	96.81			
3.75	3.625	2.68	2.52	99.33			
4	3.875	0.45	0.42	99.76			
>4.0	4.25	0.26	0.24	100.00			

Graphic Phi Parameters		
	Inman 1952	Folk & Ward 1957
Mean	2.492	2.475
Standard Deviation	0.363	0.422
Skewness (1)	0.145	0.066
Skewness (2)	-0.028	
Kurtosis	1.193	1.174



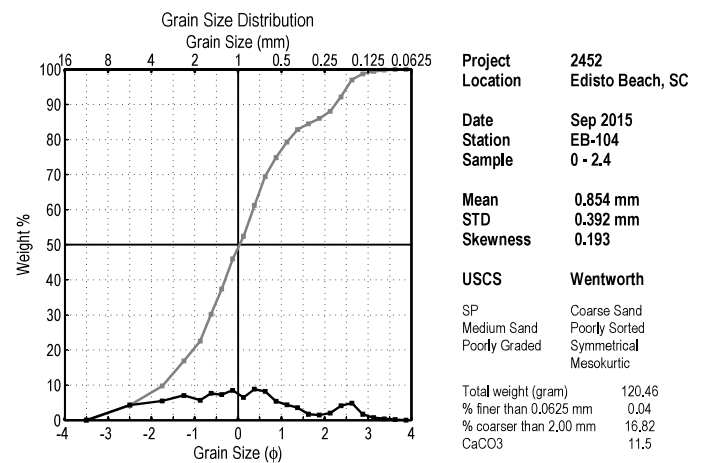
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-1.725	
-3	-3.5	0.00	0.00	0.00	5	-1.615	
-2	-2.5	0.00	0.00	0.00	16	-1.320	
-1.5	-1.75	0.00	0.00	0.00	25	-0.850	
-1	-1.25	22.23	18.60	18.60	50	-0.110	
-0.75	-0.875	6.67	5.58	24.18	75	0.545	
-0.5	-0.625	9.76	8.17	32.35	84	0.860	
-0.25	-0.375	8.97	7.51	39.85	95	2.025	
0	-0.125	11.63	9.73	49.59	99	2.610	
0.25	0.125	8.86	7.41	57.00			
0.5	0.375	13.40	11.21	68.21			
0.75	0.625	11.98	10.02	78.24			
1	0.875	7.40	6.19	84.43			
1.25	1.125	5.24	4.38	88.81			
1.5	1.375	3.86	3.23	92.04			
1.75	1.625	1.36	1.14	93.18			
2	1.875	1.10	0.92	94.10			
2.25	2.125	1.77	1.48	95.58			
2.5	2.375	3.08	2.58	98.16			
2.75	2.625	1.06	0.89	99.05			
3	2.875	0.88	0.74	99.78			
3.25	3.125	0.14	0.12	99.90			
3.5	3.375	0.07	0.06	99.96			
3.75	3.625	0.05	0.04	100.00			
4	3.875	0.00	0.00	100.00			
>4.0	4.25	0.00	0.00	100.00			

Graphic Phi Parameters		
	Inman 1952	Folk & Ward 1957
Mean	-0.230	-0.190
Standard Deviation	1.090	1.097
Skewness (1)	-0.110	0.031
Skewness (2)	0.289	
Kurtosis	0.670	1.069



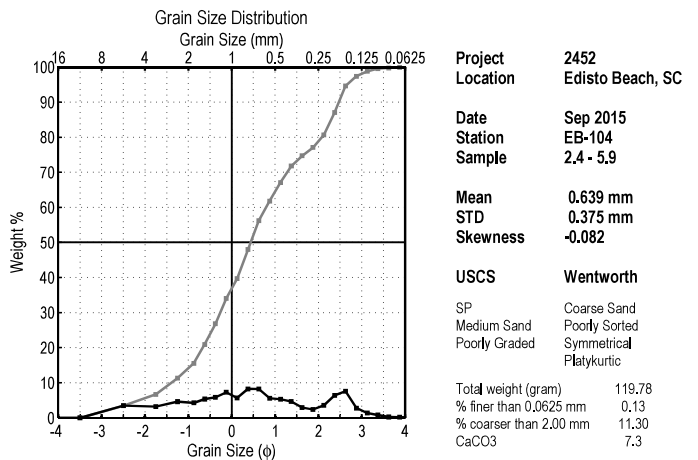
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-2.715	
-3	-3.5	0.00	0.00	0.00	5	-1.575	
-2	-2.5	1.53	1.28	1.28	16	-0.885	
-1.5	-1.75	2.68	2.24	3.51	25	-0.335	
-1	-1.25	5.08	4.24	7.75	50	0.395	
-0.75	-0.875	4.70	3.92	11.67	75	1.035	
-0.5	-0.625	6.91	5.76	17.43	84	1.460	
-0.25	-0.375	7.52	6.27	23.71	95	2.500	
0	-0.125	9.59	8.00	31.71	99	3.005	
0.25	0.125	7.88	6.57	38.28			
0.5	0.375	12.94	10.79	49.07			
0.75	0.625	14.55	12.14	61.21			
1	0.875	10.87	9.07	70.28			
1.25	1.125	8.95	7.47	77.74			
1.5	1.375	6.49	5.41	83.16			
1.75	1.625	3.01	2.51	85.67			
2	1.875	2.19	1.83	87.50			
2.25	2.125	2.87	2.39	89.89			
2.5	2.375	3.91	3.26	93.15			
2.75	2.625	4.46	3.72	96.87			
3	2.875	2.04	1.70	98.57			
3.25	3.125	0.97	0.81	99.38			
3.5	3.375	0.50	0.42	99.80			
3.75	3.625	0.14	0.12	99.92			
4	3.875	0.06	0.05	99.97			
>4.0	4.25	0.04	0.03	100.00			

Graphic Phi Parameters		
	Inman 1952	Folk & Ward 1957
Mean	0.387	0.390
Standard Deviation	1.073	1.154
Skewness (1)	-0.007	0.013
Skewness (2)	0.063	
Kurtosis	0.900	1.219



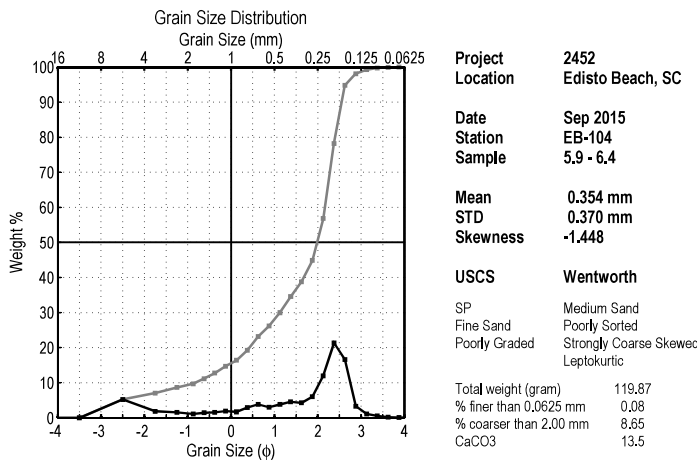
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.265	
-3	-3.5	0.00	0.00	0.00	5	-2.400	
-2	-2.5	5.16	4.28	4.28	16	-1.310	
-1.5	-1.75	6.61	5.49	9.77	25	-0.795	
-1	-1.25	8.49	7.05	16.82	50	0.030	
-0.75	-0.875	6.86	5.69	22.51	75	0.885	
-0.5	-0.625	9.23	7.68	30.18	84	1.580	
-0.25	-0.375	8.75	7.26	37.44	95	2.520	
0	-0.125	10.25	8.51	45.95	99	2.990	
0.25	0.125	7.76	6.44	52.39			
0.5	0.375	10.63	8.82	61.22			
0.75	0.625	9.91	8.23	69.44			
1	0.875	6.51	5.40	74.85			
1.25	1.125	5.31	4.41	79.25			
1.5	1.375	4.27	3.54	82.80			
1.75	1.625	2.06	1.71	84.51			
2	1.875	1.78	1.48	85.99			
2.25	2.125	2.48	2.06	88.05			
2.5	2.375	4.94	4.10	92.15			
2.75	2.625	5.84	4.85	96.99			
3	2.875	2.03	1.69	98.68			
3.25	3.125	0.83	0.69	99.37			
3.5	3.375	0.50	0.42	99.78			
3.75	3.625	0.16	0.13	99.92			
4	3.875	0.05	0.04	99.96			
>4.0	4.25	0.05	0.04	100.00			

Graphic Phi Parameters		
	Inman 1952	Folk & Ward 1957
Mean	0.120	0.090
Standard Deviation	1.430	1.460
Skewness (1)	0.063	0.038
Skewness (2)	0.021	
Kurtosis	0.720	1.200



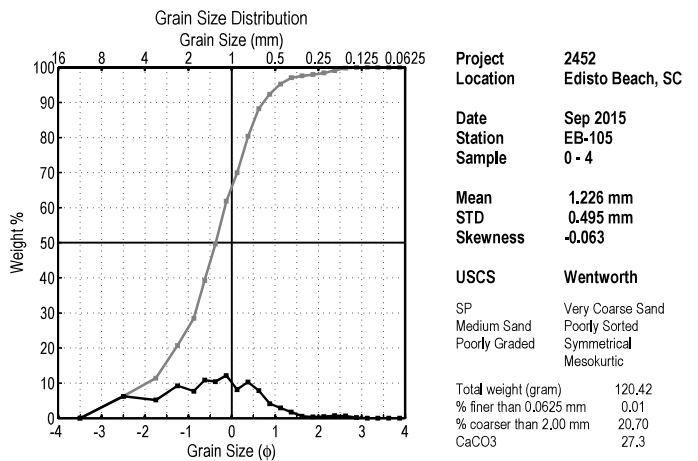
**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-104  
**Sample** 2.4 - 5.9  
**Mean** 0.639 mm  
**STD** 0.375 mm  
**Skewness** -0.082  
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Platykurtic  
 Total weight (gram) 119.78  
 % finer than 0.0625 mm 0.13  
 % coarser than 2.00 mm 11.30  
 CaCO<sub>3</sub> 7.3

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	-3.210
-3	-3.5	0.00	0.00	0.00	0.00	5	-2.145
-2	-2.5	4.16	3.47	3.47	16	-0.855	
-1.5	-1.75	3.85	3.21	6.69	25	-0.450	
-1	-1.25	5.52	4.61	11.30	50	0.435	
-0.75	-0.875	5.10	4.26	15.55	75	1.690	
-0.5	-0.625	6.41	5.35	20.90	84	2.260	
-0.25	-0.375	7.03	5.87	26.77	95	2.665	
0	-0.125	8.72	7.28	34.05	99	3.215	
0.25	0.125	6.77	5.65	39.71			
0.5	0.375	9.89	8.26	47.96			
0.75	0.625	9.85	8.22	56.19			
1	0.875	6.69	5.59	61.77			
1.25	1.125	6.37	5.32	67.09			
1.5	1.375	5.60	4.68	71.76			
1.75	1.625	3.47	2.90	74.66			
2	1.875	2.87	2.40	77.06			
2.25	2.125	4.28	3.57	80.63			
2.5	2.375	7.61	6.35	86.98			
2.75	2.625	9.09	7.59	94.57			
3	2.875	3.31	2.76	97.34			
3.25	3.125	1.65	1.38	98.71			
3.5	3.375	0.96	0.80	99.52			
3.75	3.625	0.26	0.22	99.73			
4	3.875	0.17	0.14	99.87			
>4.0	4.25	0.15	0.13	100.00			



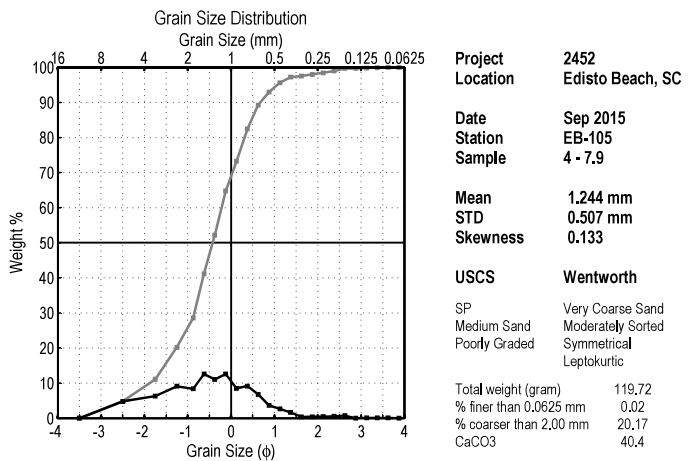
**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-104  
**Sample** 5.9 - 6.4  
**Mean** 0.354 mm  
**STD** 0.370 mm  
**Skewness** -1.448  
**USCS** Wentworth  
 SP Medium Sand  
 Fine Sand Poorly Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Leptokurtic  
 Total weight (gram) 119.87  
 % finer than 0.0625 mm 0.08  
 % coarser than 2.00 mm 8.65  
 CaCO<sub>3</sub> 13.5

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	-3.310
-3	-3.5	0.00	0.00	0.00	0.00	5	-2.540
-2	-2.5	6.25	5.21	5.21	16	0.065	
-1.5	-1.75	2.23	1.86	7.07	25	0.780	
-1	-1.25	1.89	1.58	8.65	50	1.985	
-0.75	-0.875	1.30	1.08	9.74	75	2.340	
-0.5	-0.625	1.73	1.44	11.18	84	2.465	
-0.25	-0.375	1.90	1.59	12.76	95	2.645	
0	-0.125	2.31	1.93	14.69	99	3.080	
0.25	0.125	2.05	1.71	16.40			
0.5	0.375	3.47	2.89	19.30			
0.75	0.625	4.61	3.85	23.14			
1	0.875	3.62	3.02	26.16			
1.25	1.125	4.54	3.79	29.95			
1.5	1.375	5.50	4.59	34.54			
1.75	1.625	5.13	4.28	38.82			
2	1.875	7.21	6.01	44.83			
2.25	2.125	14.37	11.99	56.82			
2.5	2.375	25.59	21.35	78.17			
2.75	2.625	19.86	16.57	94.74			
3	2.875	3.98	3.32	98.06			
3.25	3.125	1.37	1.14	99.20			
3.5	3.375	0.63	0.53	99.72			
3.75	3.625	0.17	0.14	99.87			
4	3.875	0.07	0.06	99.92			
>4.0	4.25	0.09	0.08	100.00			



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-105  
**Sample** 0 - 4  
**Mean** 1.226 mm  
**STD** 0.495 mm  
**Skewness** -0.063  
**USCS** Wentworth  
 SP Very Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic  
 Total weight (gram) 120.42  
 % finer than 0.0625 mm 0.01  
 % coarser than 2.00 mm 20.70  
 CaCO<sub>3</sub> 27.3

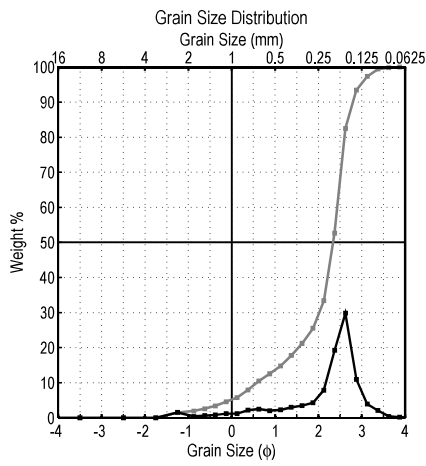
Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	-3.340
-3	-3.5	0.00	0.00	0.00	0.00	5	-2.700
-2	-2.5	7.54	6.26	6.26	16	-1.505	
-1.5	-1.75	6.25	5.19	11.45	25	-1.040	
-1	-1.25	11.14	9.25	20.70	50	0.370	
-0.75	-0.875	9.27	7.70	28.40	75	0.245	
-0.5	-0.625	13.04	10.83	39.23	84	0.490	
-0.25	-0.375	12.58	10.45	49.68	95	1.105	
0	-0.125	14.65	12.17	61.84	99	2.345	
0.25	0.125	9.82	8.15	70.00			
0.5	0.375	12.42	10.31	80.31			
0.75	0.625	9.50	7.89	88.20			
1	0.875	4.97	4.13	92.33			
1.25	1.125	3.51	2.91	95.24			
1.5	1.375	2.12	1.76	97.00			
1.75	1.625	0.70	0.58	97.58			
2	1.875	0.43	0.36	97.94			
2.25	2.125	0.54	0.45	98.39			
2.5	2.375	0.84	0.70	99.09			
2.75	2.625	0.81	0.67	99.76			
3	2.875	0.19	0.16	99.92			
3.25	3.125	0.03	0.02	99.94			
3.5	3.375	0.03	0.02	99.97			
3.75	3.625	0.02	0.02	99.98			
4	3.875	0.01	0.01	99.99			
>4.0	4.25	0.01	0.01	100.00			



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-105  
**Sample** 4 - 7.9  
**Mean** 1.244 mm  
**STD** 0.507 mm  
**Skewness** 0.133  
**USCS** Wentworth  
 SP Very Coarse Sand  
 Medium Sand Moderately Sorted  
 Poorly Graded Symmetrical  
 Leptokurtic  
 Total weight (gram) 119.72  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 20.17  
 CaCO<sub>3</sub> 40.4

Class Limits	Mid Point (φ)	(φ)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	-3.290
-3	-3.5	0.00	0.00	0.00	0.00	5	-2.475
-2	-2.5	5.73	4.79	4.79	16	-1.480	
-1.5	-1.75	7.53	6.29	11.08	25	-1.035	
-1	-1.25	10.89	9.10	20.17	50	-0.425	
-0.75	-0.875	10.05	8.39	28.57	75	0.175	
-0.5	-0.625	15.07	12.59	41.15	84	0.435	
-0.25	-0.375	13.20	11.03	52.18	95	1.070	
0	-0.125	15.07	12.59	64.77	99	2.390	
0.25	0.125	10.16	8.49	73.25			
0.5	0.375	10.99	9.18	82.43			
0.75	0.625	8.12	6.78	89.22			
1	0.875	4.40	3.68	92.89			
1.25	1.125	3.23	2.70	95.59			
1.5	1.375	1.92	1.60	97.19			
1.75	1.625	0.43	0.36	97.55			
2	1.875	0.51	0.43	97.98			
2.25	2.125	0.52	0.43	98.41			
2.5	2.375	0.65	0.54	98.95			
2.75	2.625	0.89	0.74	99.70			
3	2.875	-0.01	-0.01	99.69			
3.25	3.125	0.15	0.13	99.82			
3.5	3.375	0.08	0.07	99.88			
3.75	3.625	0.11	0.09	99.97			
4	3.875	0.01	0.01	99.98			
>4.0	4.25	0.02	0.02	100.00			





**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-106  
**Sample** 0 - 3.5

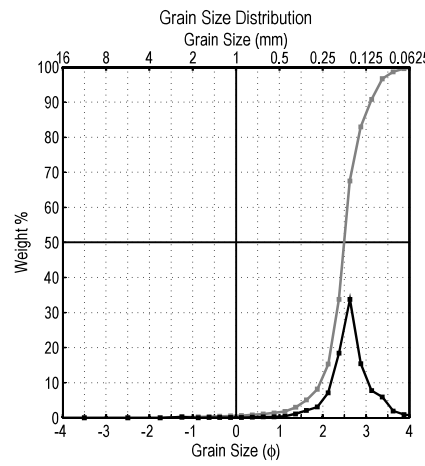
**Mean** 0.225 mm  
**STD** 0.526 mm  
**Skewness** -1.687

**USCS** Wentworth  
 SP Fine Sand  
 Poorly Graded  
 Strongly Coarse Skewed  
 Leptokurtic

Total weight (gram) 119.24  
 % finer than 0.0625 mm 0.07  
 % coarser than 2.00 mm 1.51  
 CaCO<sub>3</sub> 14.4

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	0.00	0.00	0.00
-1.5	-1.75	0.00	0.00	0.00
-1	-1.25	1.80	1.51	1.51
-0.75	-0.875	0.51	0.43	1.94
-0.5	-0.625	0.76	0.64	2.57
-0.25	-0.375	0.98	0.82	3.40
0	-0.125	1.42	1.19	4.58
0.25	0.125	1.43	1.20	5.79
0.5	0.375	2.60	2.18	7.97
0.75	0.625	3.01	2.52	10.49
1	0.875	2.44	2.05	12.54
1.25	1.125	2.67	2.24	14.78
1.5	1.375	3.58	3.00	17.78
1.75	1.625	4.10	3.44	21.22
2	1.875	5.13	4.30	25.52
2.25	2.125	9.40	7.88	33.40
2.5	2.375	22.97	19.26	52.67
2.75	2.625	35.53	29.80	82.46
3	2.875	13.01	10.91	93.37
3.25	3.125	4.66	3.91	97.28
3.5	3.375	2.48	2.08	99.36
3.75	3.625	0.48	0.40	99.77
4	3.875	0.20	0.17	99.93
>4.0	4.25	0.08	0.07	100.00

Percentiles	Moment Measures	(phi)	(mm)
1	-1.420	2.152	0.225
5	-0.040	0.928	0.526
16	1.225	-1.687	
25	1.845	5.730	
50	2.340		
75	2.560		
84	2.660		
95	2.980		
99	3.330		
<b>Graphic Phi Parameters</b>			
	<b>Inman</b>	<b>Folk &amp; Ward</b>	
	<b>1952</b>	<b>1957</b>	
Mean	1.943	2.075	
Standard Deviation	0.718	0.816	
Skewness (1)	-0.554	-0.565	
Skewness (2)	-1.213		
Kurtosis	1.105	1.731	



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-106  
**Sample** 3.5 - 7.2

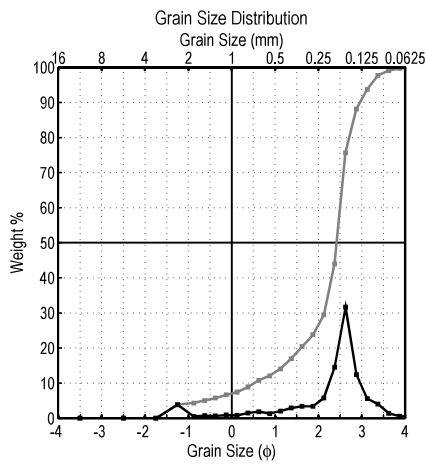
**Mean** 0.165 mm  
**STD** 0.683 mm  
**Skewness** -1.606

**USCS** Wentworth  
 SP Fine Sand  
 Poorly Graded  
 Moderately Well Sorted  
 Strongly Coarse Skewed  
 Very Leptokurtic

Total weight (gram) 121.10  
 % finer than 0.0625 mm 0.46  
 % coarser than 2.00 mm 0.25  
 CaCO<sub>3</sub> 5.7

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	0.00	0.00	0.00
-1.5	-1.75	0.00	0.00	0.00
-1	-1.25	0.30	0.25	0.25
-0.75	-0.875	0.05	0.04	0.29
-0.5	-0.625	0.08	0.07	0.36
-0.25	-0.375	0.09	0.07	0.43
0	-0.125	0.11	0.09	0.52
0.25	0.125	0.11	0.09	0.61
0.5	0.375	0.25	0.21	0.82
0.75	0.625	0.26	0.30	1.11
1	0.875	0.32	0.26	1.38
1.25	1.125	0.56	0.46	1.84
1.5	1.375	1.39	1.15	2.99
1.75	1.625	2.55	2.11	5.09
2	1.875	3.73	3.08	8.16
2.25	2.125	8.63	7.13	15.30
2.5	2.375	22.34	18.45	33.75
2.75	2.625	40.87	33.75	67.50
3	2.875	18.68	15.43	82.92
3.25	3.125	9.42	7.78	90.70
3.5	3.375	7.20	5.95	96.65
3.75	3.625	2.38	1.97	98.61
4	3.875	1.12	0.92	99.54
>4.0	4.25	0.56	0.46	100.00

Percentiles	Moment Measures	(phi)	(mm)
1	0.530	2.603	0.165
5	1.615	0.551	0.683
16	2.135	-1.606	
25	2.255	12.269	
50	2.495		
75	2.745		
84	2.910		
95	3.305		
99	3.730		
<b>Graphic Phi Parameters</b>			
	<b>Inman</b>	<b>Folk &amp; Ward</b>	
	<b>1952</b>	<b>1957</b>	
Mean	2.523	2.513	
Standard Deviation	0.388	0.450	
Skewness (1)	0.071	0.015	
Skewness (2)	-0.090		
Kurtosis	1.181	1.414	



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-106  
**Sample** 7.2 - 8.6

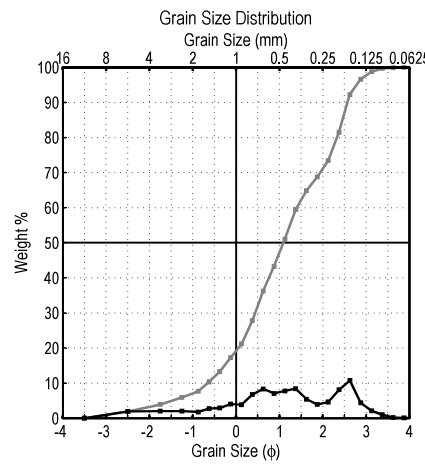
**Mean** 0.217 mm  
**STD** 0.476 mm  
**Skewness** -1.765

**USCS** Wentworth  
 SP Fine Sand  
 Poorly Graded  
 Strongly Coarse Skewed  
 Leptokurtic

Total weight (gram) 118.40  
 % finer than 0.0625 mm 0.32  
 % coarser than 2.00 mm 3.86  
 CaCO<sub>3</sub> 5.6

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	0.00	0.00	0.00
-1.5	-1.75	0.00	0.00	0.00
-1	-1.25	4.57	3.86	3.86
-0.75	-0.875	0.56	0.47	4.33
-0.5	-0.625	0.85	0.72	5.05
-0.25	-0.375	0.80	0.68	5.73
0	-0.125	1.06	0.90	6.62
0.25	0.125	0.95	0.80	7.42
0.5	0.375	1.75	1.48	8.90
0.75	0.625	2.23	1.88	10.79
1	0.875	1.55	1.31	12.09
1.25	1.125	2.39	2.02	14.11
1.5	1.375	3.42	2.89	17.00
1.75	1.625	4.00	3.38	20.38
2	1.875	4.01	3.39	23.77
2.25	2.125	6.76	5.71	29.48
2.5	2.375	17.21	14.54	44.01
2.75	2.625	37.48	31.66	75.67
3	2.875	14.73	12.44	88.11
3.25	3.125	6.58	5.56	93.67
3.5	3.375	4.76	4.02	97.69
3.75	3.625	1.67	1.41	99.10
4	3.875	0.69	0.58	99.68
>4.0	4.25	0.38	0.32	100.00

Percentiles	Moment Measures	(phi)	(mm)
1	-1.620	2.202	0.217
5	-0.645	1.071	0.476
16	1.290	-1.765	
25	1.930	5.902	
50	2.420		
75	2.620		
84	2.790		
95	3.210		
99	3.610		
<b>Graphic Phi Parameters</b>			
	<b>Inman</b>	<b>Folk &amp; Ward</b>	
	<b>1952</b>	<b>1957</b>	
Mean	2.040	2.167	
Standard Deviation	0.750	0.959	
Skewness (1)	-0.507	-0.548	
Skewness (2)	-1.517		
Kurtosis	1.570	2.290	



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-110  
**Sample** 0 - 3.6

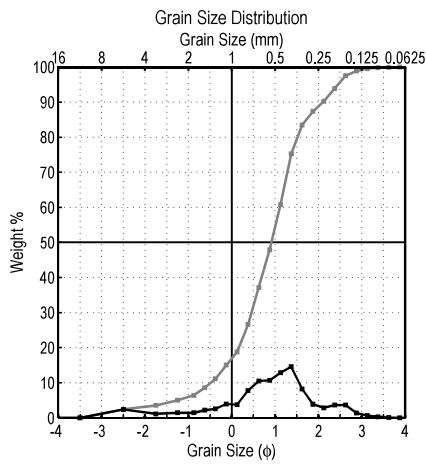
**Mean** 0.447 mm  
**STD** 0.410 mm  
**Skewness** -0.569

**USCS** Wentworth  
 SP Medium Sand  
 Poorly Graded  
 Moderately Well Sorted  
 Coarse Skewed  
 Mesokurtic

Total weight (gram) 119.37  
 % finer than 0.0625 mm 0.04  
 % coarser than 2.00 mm 5.91  
 CaCO<sub>3</sub> 27.1

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	2.28	1.91	1.91
-1.5	-1.75	2.40	2.01	3.92
-1	-1.25	2.37	1.99	5.91
-0.75	-0.875	2.11	1.77	7.67
-0.5	-0.625	3.23	2.71	10.38
-0.25	-0.375	3.46	2.90	13.28
0	-0.125	4.78	4.00	17.28
0.25	0.125	4.60	3.85	21.14
0.5	0.375	8.01	6.71	27.85
0.75	0.625	9.97	8.35	36.20
1	0.875	8.44	7.07	43.27
1.25	1.125	9.26	7.76	51.03
1.5	1.375	10.05	8.42	59.45
1.75	1.625	6.47	5.42	64.87
2	1.875	4.68	3.92	68.79
2.25	2.125	5.53	4.63	73.42
2.5	2.375	9.65	8.08	81.50
2.75	2.625	12.81	10.73	92.23
3	2.875	5.20	4.36	96.59
3.25	3.125	2.56	2.14	98.74
3.5	3.375	1.15	0.96	99.70
3.75	3.625	0.24	0.20	99.90
4	3.875	0.07	0.06	99.96
>4.0	4.25	0.05	0.04	100.00

Percentiles	Moment Measures	(phi)	(mm)
1	-2.975	1.161	0.447
5	-1.480	1.286	0.410
16	-0.205	-0.569	
25	0.270	3.018	
50	1.090		
75	2.175		
84	2.435		
95	2.785		
99	3.195		
<b>Graphic Phi Parameters</b>			
	<b>Inman</b>	<b>Folk &amp; Ward</b>	
	<b>1952</b>	<b>1957</b>	
Mean	1.115	1.107	
Standard Deviation	1.320	1.306	
Skewness (1)	0.019	-0.093	
Skewness (2)	-0.331		
Kurtosis	0.616	0.918	



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-110  
**Sample** 3.6 - 7.7

**Mean** 0.527 mm  
**STD** 0.480 mm  
**Skewness** -0.803

**USCS** Wentworth

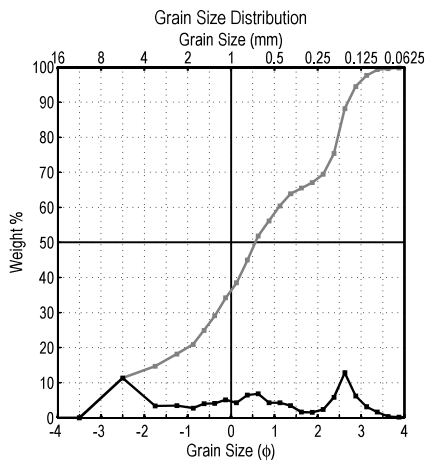
SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Leptokurtic

Total weight (gram) 120.53  
 % finer than 0.0625 mm 0.06  
 % coarser than 2.00 mm 5.00  
 CaCO<sub>3</sub> 25.7

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	2.89	2.40	2.40
-1.5	-1.75	1.39	1.15	3.55
-1	-1.25	1.75	1.45	5.00
-0.75	-0.875	1.72	1.43	6.43
-0.5	-0.625	2.59	2.15	8.58
-0.25	-0.375	3.09	2.56	11.14
0	-0.125	4.71	3.91	15.05
0.25	0.125	4.55	3.77	18.83
0.5	0.375	9.41	7.81	26.63
0.75	0.625	12.66	10.50	37.14
1	0.875	12.91	10.71	47.85
1.25	1.125	15.50	12.86	60.71
1.5	1.375	17.53	14.54	75.25
1.75	1.625	9.92	8.23	83.48
2	1.875	4.70	3.90	87.38
2.25	2.125	3.46	2.87	90.25
2.5	2.375	4.30	3.61	93.86
2.75	2.625	4.40	3.65	97.51
3	2.875	1.65	1.37	98.88
3.25	3.125	0.73	0.61	99.49
3.5	3.375	0.41	0.34	99.83
3.75	3.625	0.10	0.08	99.91
4	3.875	0.04	0.03	99.94
>4.0	4.25	0.07	0.06	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.085	
5	-1.250	
16	-0.060	
25	0.325	
50	0.915	
75	1.370	
84	1.660	
95	2.455	
99	2.925	

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.800	0.838
Standard Deviation	0.860	0.991
Skewness (1)	-0.134	-0.151
Skewness (2)	-0.363	
Kurtosis	1.154	1.453



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-111  
**Sample** 0 - 2.8

**Mean** 0.617 mm  
**STD** 0.291 mm  
**Skewness** -0.310

**USCS** Wentworth

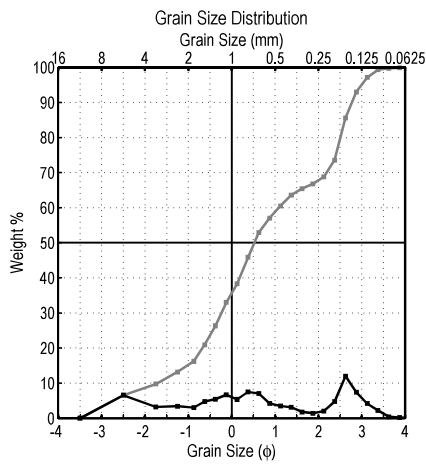
SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Platykurtic

Total weight (gram) 119.33  
 % finer than 0.0625 mm 0.27  
 % coarser than 2.00 mm 18.15  
 CaCO<sub>3</sub> 25.2

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	13.54	11.35	11.35
-1.5	-1.75	4.00	3.35	14.70
-1	-1.25	4.12	3.45	18.15
-0.75	-0.875	3.32	2.78	20.93
-0.5	-0.625	4.79	4.01	24.95
-0.25	-0.375	4.89	4.10	29.05
0	-0.125	6.12	5.13	34.17
0.25	0.125	5.09	4.27	38.44
0.5	0.375	7.76	6.50	44.94
0.75	0.625	8.18	6.85	51.80
1	0.875	5.17	4.33	56.13
1.25	1.125	5.12	4.29	60.42
1.5	1.375	4.12	3.45	63.87
1.75	1.625	1.94	1.63	65.50
2	1.875	1.89	1.58	67.08
2.25	2.125	2.63	2.27	69.45
2.5	2.375	7.00	5.87	75.32
2.75	2.625	15.32	12.84	88.16
3	2.875	7.47	6.26	94.42
3.25	3.125	3.76	3.15	97.57
3.5	3.375	1.93	1.62	99.19
3.75	3.625	0.44	0.37	99.56
4	3.875	0.21	0.18	99.73
>4.0	4.25	0.32	0.27	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.410	
5	-3.060	
16	-1.560	
25	-0.620	
50	0.560	
75	2.360	
84	2.545	
95	2.920	
99	3.345	

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.492	0.515
Standard Deviation	2.053	1.932
Skewness (1)	-0.033	-0.122
Skewness (2)	-0.307	
Kurtosis	0.457	0.822



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-111  
**Sample** 2.8 - 6.1

**Mean** 0.567 mm  
**STD** 0.316 mm  
**Skewness** -0.223

**USCS** Wentworth

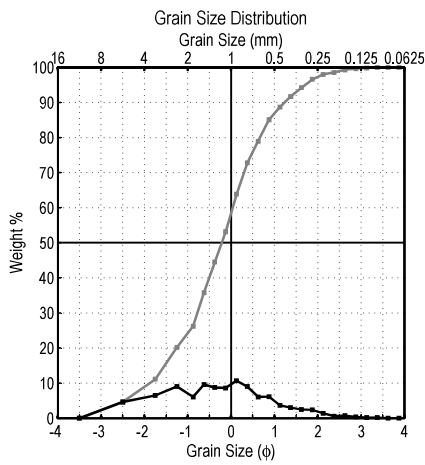
SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Platykurtic

Total weight (gram) 118.41  
 % finer than 0.0625 mm 0.15  
 % coarser than 2.00 mm 13.15  
 CaCO<sub>3</sub> 16.9

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	7.75	6.55	6.55
-1.5	-1.75	3.80	3.21	9.75
-1	-1.25	4.02	3.39	13.15
-0.75	-0.875	3.60	3.04	16.19
-0.5	-0.625	5.60	4.73	20.92
-0.25	-0.375	6.41	5.41	26.33
0	-0.125	7.92	6.69	33.02
0.25	0.125	6.30	5.32	38.34
0.5	0.375	8.88	7.50	45.84
0.75	0.625	8.35	7.05	52.89
1	0.875	4.93	4.16	57.06
1.25	1.125	4.07	3.44	60.49
1.5	1.375	3.67	3.10	63.59
1.75	1.625	2.12	1.79	65.38
2	1.875	1.66	1.40	66.78
2.25	2.125	2.36	1.99	68.78
2.5	2.375	5.63	4.75	73.53
2.75	2.625	14.21	12.00	85.53
3	2.875	8.78	7.41	92.95
3.25	3.125	4.93	4.16	97.11
3.5	3.375	2.60	2.20	99.31
3.75	3.625	0.47	0.40	99.70
4	3.875	0.17	0.14	99.85
>4.0	4.25	0.18	0.15	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.345	
5	-2.735	
16	-0.900	
25	-0.435	
50	0.520	
75	2.405	
84	2.595	
95	3.000	
99	3.340	

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.847	0.738
Standard Deviation	1.747	1.743
Skewness (1)	0.187	0.026
Skewness (2)	-0.222	
Kurtosis	0.641	0.828



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-112  
**Sample** 0-3.0

**Mean** 1.077 mm  
**STD** 0.458 mm  
**Skewness** 0.083

**USCS** Wentworth

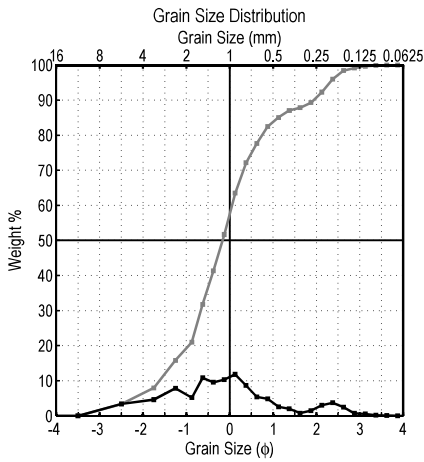
SP Very Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic

Total weight (gram) 119.80  
 % finer than 0.0625 mm 0.03  
 % coarser than 2.00 mm 20.16  
 CaCO<sub>3</sub> 45.2

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	5.55	4.63	4.63
-1.5	-1.75	7.80	6.51	11.14
-1	-1.25	10.80	9.02	20.16
-0.75	-0.875	7.25	6.05	26.21
-0.5	-0.625	11.48	9.58	35.79
-0.25	-0.375	10.44	8.71	44.51
0	-0.125	10.31	8.61	53.11
0.25	0.125	12.83	10.71	63.82
0.5	0.375	10.80	9.02	72.84
0.75	0.625	7.28	6.08	78.91
1	0.875	7.34	6.13	85.04
1.25	1.125	4.34	3.62	88.66
1.5	1.375	3.64	3.04	91.70
1.75	1.625	2.97	2.48	94.18
2	1.875	2.84	2.37	96.55
2.25	2.125	1.67	1.39	97.95
2.5	2.375	0.68	0.57	98.51
2.75	2.625	0.87	0.73	99.24
3	2.875	0.45	0.38	99.62
3.25	3.125	0.22	0.18	99.80
3.5	3.375	0.20	0.17	99.97
3.75	3.625	0.01	0.01	99.97
4	3.875	0.00	0.00	99.97
>4.0	4.25	0.03	0.03	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.285	
5	-2.460	
16	-1.480	
25	-0.950	
50	-0.215	
75	0.465	
84	0.830	
95	1.710	
99	2.540	

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	-0.325	-0.288
Standard Deviation	1.155	1.209
Skewness (1)	-0.095	-0.086
Skewness (2)	-0.139	
Kurtosis	0.805	1.208



Project 2452  
 Location Edisto Beach, SC  
 Date Sep 2016  
 Station EB-112  
 Sample 3.0-5.3

Mean 0.958 mm  
 STD 0.434 mm  
 Skewness 0.417

USCS Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical Mesokurtic

Total weight (gram) 116.81  
 % finer than 0.0625 mm 0.03  
 % coarser than 2.00 mm 15.80  
 CaCO3 45.8

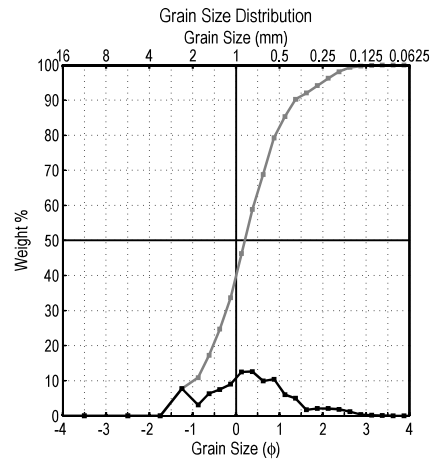
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.200	
-3	-3.5	0.00	0.00	0.00	5	-2.230	
-2	-2.5	3.91	3.35	3.35	16	-1.235	
-1.5	-1.75	5.41	4.63	7.98	25	-0.780	
-1	-1.25	9.14	7.82	15.80	50	-0.165	
-0.75	-0.875	6.02	5.15	20.96	75	0.505	
-0.5	-0.625	12.64	10.82	31.78	84	1.025	
-0.25	-0.375	11.16	9.55	41.33	95	2.310	
0	-0.125	12.07	10.33	51.67	99	2.835	
0.25	0.125	13.81	11.82	63.49			
0.5	0.375	10.12	8.66	72.15			
0.75	0.625	6.36	5.44	77.60			
1	0.875	5.64	4.83	82.42			
1.25	1.125	3.03	2.59	85.02			
1.5	1.375	2.34	2.00	87.02			
1.75	1.625	0.88	0.75	87.78			
2	1.875	1.74	1.49	89.28			
2.25	2.125	3.47	2.97	92.24			
2.5	2.375	4.34	3.72	95.95			
2.75	2.625	2.86	2.45	98.40			
3	2.875	0.84	0.72	99.12			
3.25	3.125	0.62	0.53	99.65			
3.5	3.375	0.23	0.20	99.85			
3.75	3.625	0.13	0.11	99.96			
4	3.875	0.02	0.02	99.97			
>4.0	4.25	0.03	0.03	100.00			

Percentiles	Moment Measures (phi) (mm)	
1	-3.200	
5	-2.230	
16	-1.235	
25	-0.780	
50	-0.165	
75	0.505	
84	1.025	
95	2.310	
99	2.835	

Graphic Phi Parameters		
Inman	Folk & Ward	
1952	1957	
Mean	-0.105	-0.125
Standard Deviation	1.130	1.253
Skewness (1)	0.053	0.072
Skewness (2)	0.181	
Kurtosis	1.009	1.448



Project 2452  
 Location Edisto Beach, SC  
 Date Sep 2016  
 Station EB-113  
 Sample 0-2.0

Mean 0.779 mm  
 STD 0.531 mm  
 Skewness 0.366

USCS Wentworth  
 SP Coarse Sand  
 Medium Sand Moderately Sorted  
 Poorly Graded Symmetrical Mesokurtic

Total weight (gram) 118.16  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 7.74  
 CaCO3 28.5

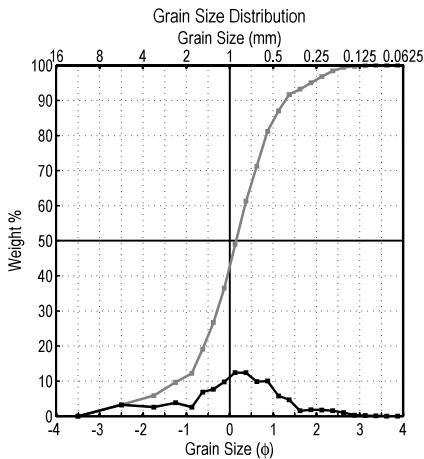
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-1.685	
-3	-3.5	0.00	0.00	0.00	5	-1.425	
-2	-2.5	0.00	0.00	0.00	16	-0.670	
-1.5	-1.75	0.00	0.00	0.00	25	-0.365	
-1	-1.25	9.15	7.74	7.74	50	0.200	
-0.75	-0.875	3.68	3.11	10.86	75	0.775	
-0.5	-0.625	7.50	6.35	17.21	84	1.075	
-0.25	-0.375	8.83	7.47	24.68	95	1.980	
0	-0.125	10.66	9.02	33.70	99	2.565	
0.25	0.125	14.78	12.51	46.21			
0.5	0.375	14.83	12.64	58.84			
0.75	0.625	11.72	9.92	68.76			
1	0.875	12.36	10.46	79.22			
1.25	1.125	7.13	6.03	85.26			
1.5	1.375	5.89	4.98	90.24			
1.75	1.625	2.07	1.75	91.99			
2	1.875	2.51	2.12	94.12			
2.25	2.125	2.46	2.08	96.20			
2.5	2.375	2.20	1.86	98.06			
2.75	2.625	1.46	1.24	99.30			
3	2.875	0.44	0.37	99.67			
3.25	3.125	0.21	0.18	99.85			
3.5	3.375	0.09	0.08	99.92			
3.75	3.625	0.05	0.04	99.97			
4	3.875	0.02	0.02	99.98			
>4.0	4.25	0.02	0.02	100.00			

Percentiles	Moment Measures (phi) (mm)	
1	-1.685	
5	-1.425	
16	-0.670	
25	-0.365	
50	0.200	
75	0.775	
84	1.075	
95	1.980	
99	2.565	

Graphic Phi Parameters		
Inman	Folk & Ward	
1952	1957	
Mean	0.202	0.202
Standard Deviation	0.872	0.952
Skewness (1)	0.003	0.024
Skewness (2)	0.089	
Kurtosis	0.951	1.224



Project 2452  
 Location Edisto Beach, SC  
 Date Sep 2016  
 Station EB-113  
 Sample 2.0-5

Mean 0.847 mm  
 STD 0.493 mm  
 Skewness -0.261

USCS Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical Leptokurtic

Total weight (gram) 113.67  
 % finer than 0.0625 mm 0.04  
 % coarser than 2.00 mm 9.65  
 CaCO3 27.7

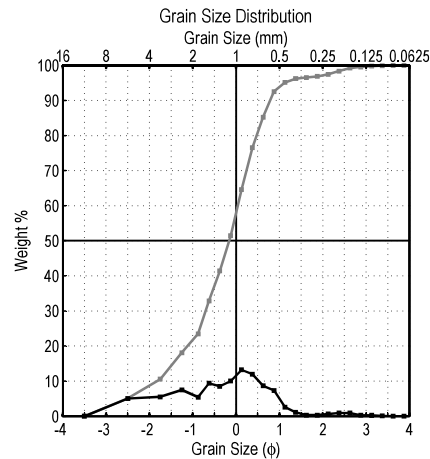
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.195	
-3	-3.5	0.00	0.00	0.00	5	-2.000	
-2	-2.5	3.70	3.26	3.26	16	-0.735	
-1.5	-1.75	2.97	2.61	5.87	25	-0.430	
-1	-1.25	4.30	3.78	9.65	50	0.145	
-0.75	-0.875	2.90	2.55	12.20	75	0.720	
-0.5	-0.625	7.81	6.87	19.07	84	0.995	
-0.25	-0.375	8.69	7.64	26.72	95	1.870	
0	-0.125	11.14	9.80	36.52	99	2.530	
0.25	0.125	14.14	12.44	48.96			
0.5	0.375	14.07	12.38	61.34			
0.75	0.625	11.19	9.84	71.18			
1	0.875	11.40	10.03	81.21			
1.25	1.125	6.55	5.76	86.97			
1.5	1.375	5.35	4.71	91.68			
1.75	1.625	1.75	1.54	93.22			
2	1.875	2.05	1.80	95.02			
2.25	2.125	2.04	1.79	96.82			
2.5	2.375	1.78	1.57	98.39			
2.75	2.625	1.15	1.01	99.39			
3	2.875	0.35	0.31	99.70			
3.25	3.125	0.18	0.16	99.86			
3.5	3.375	0.07	0.06	99.92			
3.75	3.625	0.03	0.03	99.95			
4	3.875	0.02	0.02	99.96			
>4.0	4.25	0.04	0.04	100.00			

Percentiles	Moment Measures (phi) (mm)	
1	-3.195	
5	-2.000	
16	-0.735	
25	-0.430	
50	0.145	
75	0.720	
84	0.995	
95	1.870	
99	2.530	

Graphic Phi Parameters		
Inman	Folk & Ward	
1952	1957	
Mean	0.130	0.135
Standard Deviation	0.865	1.019
Skewness (1)	-0.017	-0.063
Skewness (2)	-0.243	
Kurtosis	1.237	1.379



Project 2452  
 Location Edisto Beach, SC  
 Date Sep 2016  
 Station EB-114  
 Sample 0-3.9

Mean 1.110 mm  
 STD 0.488 mm  
 Skewness -0.023

USCS Wentworth  
 SP Very Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical Leptokurtic

Total weight (gram) 116.88  
 % finer than 0.0625 mm 0.07  
 % coarser than 2.00 mm 18.06  
 CaCO3 51.2

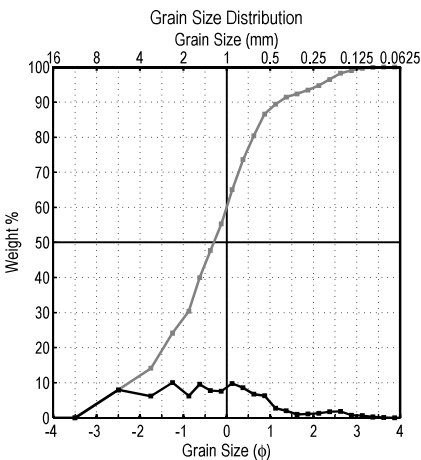
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.300	
-3	-3.5	0.00	0.00	0.00	5	-2.510	
-2	-2.5	5.89	5.04	5.04	16	-1.390	
-1.5	-1.75	6.46	5.53	10.57	25	-0.835	
-1	-1.25	8.76	7.49	18.06	50	-0.160	
-0.75	-0.875	6.34	5.42	23.49	75	0.340	
-0.5	-0.625	10.86	9.28	32.86	84	0.930	
-0.25	-0.375	9.96	8.52	41.38	95	1.115	
0	-0.125	11.71	10.02	51.40	99	2.560	
0.25	0.125	15.42	13.19	64.60			
0.5	0.375	14.00	11.98	76.57			
0.75	0.625	10.09	8.63	85.21			
1	0.875	8.55	7.32	92.52			
1.25	1.125	3.01	2.58	95.10			
1.5	1.375	1.29	1.10	96.20			
1.75	1.625	0.36	0.31	96.51			
2	1.875	0.39	0.33	96.84			
2.25	2.125	0.71	0.61	97.45			
2.5	2.375	1.06	0.91	98.36			
2.75	2.625	1.01	0.86	99.22			
3	2.875	0.35	0.30	99.52			
3.25	3.125	0.29	0.25	99.77			
3.5	3.375	0.12	0.10	99.87			
3.75	3.625	0.05	0.04	99.91			
4	3.875	0.02	0.02	99.93			
>4.0	4.25	0.08	0.07	100.00			

Percentiles	Moment Measures (phi) (mm)	
1	-3.300	
5	-2.510	
16	-1.390	
25	-0.835	
50	-0.160	
75	0.340	
84	0.930	
95	1.115	
99	2.560	

Graphic Phi Parameters		
Inman	Folk & Ward	
1952	1957	
Mean	-0.400	-0.320
Standard Deviation	0.990	1.044
Skewness (1)	-0.242	-0.269
Skewness (2)	-0.543	
Kurtosis	0.831	1.264



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-114  
**Sample** 3.9-6.9

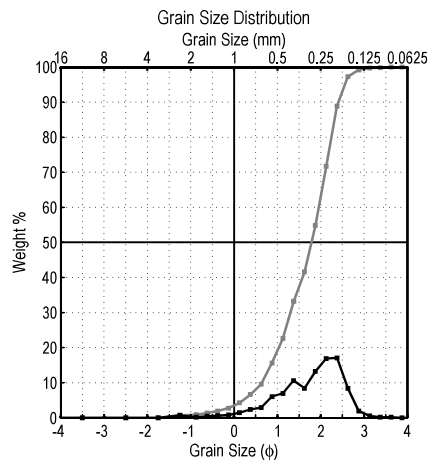
**Mean** 1.132 mm  
**STD** 0.418 mm  
**Skewness** 0.254

**USCS** Wentworth  
 SP Very Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic

Total weight (gram) 116.46  
 % finer than 0.0625 mm 0.04  
 % coarser than 2.00 mm 24.15  
 CaCO3 66.8

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.375	Mean -0.178 1.132
-3	-3.5	0.00	0.00	0.00	5	-2.870	Standard Deviation 1.258 0.418
-2	-2.5	9.26	7.95	7.95	16	-1.855	Skewness 0.254
-1.5	-1.75	7.20	6.18	14.13	25	-1.200	Kurtosis 3.117
-1	-1.25	11.66	10.01	24.15	50	-0.300	Dispersion
-0.75	-0.875	7.25	6.23	30.37	75	0.425	Standard Deviation
-0.5	-0.625	11.13	9.56	39.93	84	0.770	Deviation from Normal
-0.25	-0.375	9.01	7.74	47.66			
0	-0.125	8.80	7.56	55.22			
0.25	0.125	11.41	9.80	65.02			
0.5	0.375	10.01	8.60	73.61			
0.75	0.625	7.82	6.71	80.33			
1	0.875	7.32	6.29	86.61			
1.25	1.125	3.24	2.78	89.39			
1.5	1.375	2.32	1.99	91.39			
1.75	1.625	1.13	0.97	92.36			
2	1.875	1.25	1.07	93.43			
2.25	2.125	1.49	1.28	94.71			
2.5	2.375	2.00	1.72	96.43			
2.75	2.625	2.10	1.80	98.23			
3	2.875	0.89	0.76	99.00			
3.25	3.125	0.75	0.64	99.64			
3.5	3.375	0.26	0.22	99.86			
3.75	3.625	0.08	0.07	99.93			
4	3.875	0.03	0.03	99.96			
>4.0	4.25	0.05	0.04	100.00			

Graphic Phi Parameters		Inman	Folk & Ward
Mean		-0.442	-0.395
Standard Deviation		1.212	1.369
Skewness (1)		-0.118	-0.069
Skewness (2)		-0.043	
Kurtosis		1.076	1.270



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-115  
**Sample** 0-3.2

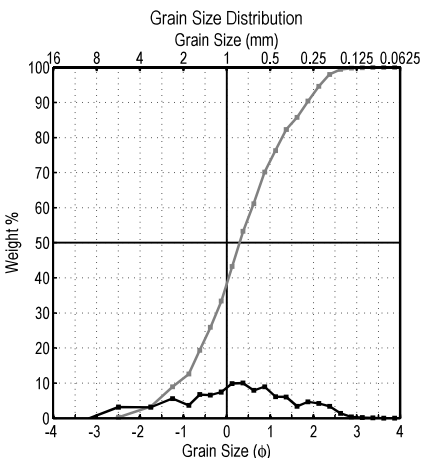
**Mean** 0.299 mm  
**STD** 0.592 mm  
**Skewness** -1.036

**USCS** Wentworth  
 SP Medium Sand  
 Fine Sand Moderately Sorted  
 Poorly Graded Coarse Skewed  
 Leptokurtic

Total weight (gram) 115.32  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 0.69  
 CaCO3 20.7

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-8.815	Mean 1.744 0.299
-3	-3.5	0.00	0.00	0.00	5	0.205	Standard Deviation 0.756 0.592
-2	-2.5	0.00	0.00	0.00	16	0.890	Skewness -1.036
-1.5	-1.75	0.00	0.00	0.00	25	1.180	Kurtosis 4.488
-1	-1.25	0.80	0.69	0.69	50	1.785	Dispersion
-0.75	-0.875	0.23	0.20	0.89	75	2.175	Standard Deviation
-0.5	-0.625	0.52	0.45	1.34	84	2.305	Deviation from Normal
-0.25	-0.375	0.70	0.61	1.95			
0	-0.125	0.93	0.81	2.76			
0.25	0.125	1.72	1.49	4.25			
0.5	0.375	2.76	2.39	6.64			
0.75	0.625	3.37	2.92	9.56			
1	0.875	6.99	6.06	15.63			
1.25	1.125	8.03	6.96	22.59			
1.5	1.375	12.22	10.60	33.19			
1.75	1.625	9.71	8.42	41.61			
2	1.875	15.24	13.22	54.82			
2.25	2.125	19.49	16.90	71.72			
2.5	2.375	19.71	17.09	88.81			
2.75	2.625	9.66	8.38	97.19			
3	2.875	2.26	1.96	99.15			
3.25	3.125	0.61	0.53	99.68			
3.5	3.375	0.17	0.15	99.83			
3.75	3.625	0.16	0.14	99.97			
4	3.875	0.02	0.02	99.98			
>4.0	4.25	0.02	0.02	100.00			

Graphic Phi Parameters		Inman	Folk & Ward
Mean		1.597	1.660
Standard Deviation		0.707	0.711
Skewness (1)		-0.265	-0.303
Skewness (2)		-0.569	
Kurtosis		0.664	0.970



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-115  
**Sample** 3.2-4.6

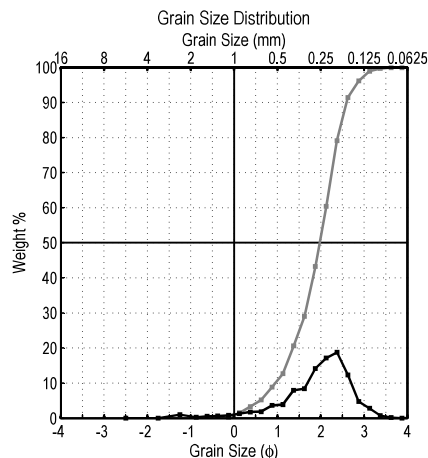
**Mean** 0.705 mm  
**STD** 0.534 mm  
**Skewness** 2.463

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Moderately Sorted  
 Poorly Graded Strongly Fine Skewed  
 Very Platykurtic

Total weight (gram) 113.89  
 % finer than 0.0625 mm 0.04  
 % coarser than 2.00 mm 8.93  
 CaCO3 53.6

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	-1.58	-1.39	-1.39	1	-2.315	Mean 0.504 0.705
-3	-3.5	-1.75	-1.54	-2.92	5	-1.600	Standard Deviation 0.906 0.534
-2	-2.5	3.58	3.14	0.22	16	-0.750	Skewness 2.463
-1.5	-1.75	3.56	3.13	3.35	25	-0.410	Kurtosis -10.193
-1	-1.25	6.36	5.58	8.93	50	0.295	Dispersion
-0.75	-0.875	4.19	3.68	12.61	75	1.075	Standard Deviation
-0.5	-0.625	7.65	6.72	19.33	84	1.500	Deviation from Normal
-0.25	-0.375	7.50	6.59	25.91			
0	-0.125	8.49	7.45	33.37			
0.25	0.125	11.25	9.88	43.24			
0.5	0.375	11.39	10.00	53.24			
0.75	0.625	9.01	7.91	61.16			
1	0.875	10.23	8.98	70.14			
1.25	1.125	6.95	6.10	76.24			
1.5	1.375	6.93	6.08	82.33			
1.75	1.625	3.89	3.42	85.74			
2	1.875	5.28	4.64	90.38			
2.25	2.125	4.62	4.23	94.61			
2.5	2.375	3.83	3.36	97.97			
2.75	2.625	1.59	1.40	99.37			
3	2.875	0.43	0.38	99.75			
3.25	3.125	0.15	0.13	99.88			
3.5	3.375	0.05	0.04	99.92			
3.75	3.625	0.03	0.03	99.95			
4	3.875	0.01	0.01	99.96			
>4.0	4.25	0.05	0.04	100.00			

Graphic Phi Parameters		Inman	Folk & Ward
Mean		0.375	0.348
Standard Deviation		1.125	1.131
Skewness (1)		0.071	0.031
Skewness (2)		-0.016	
Kurtosis		0.669	1.036



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-115  
**Sample** 4.6-6.6

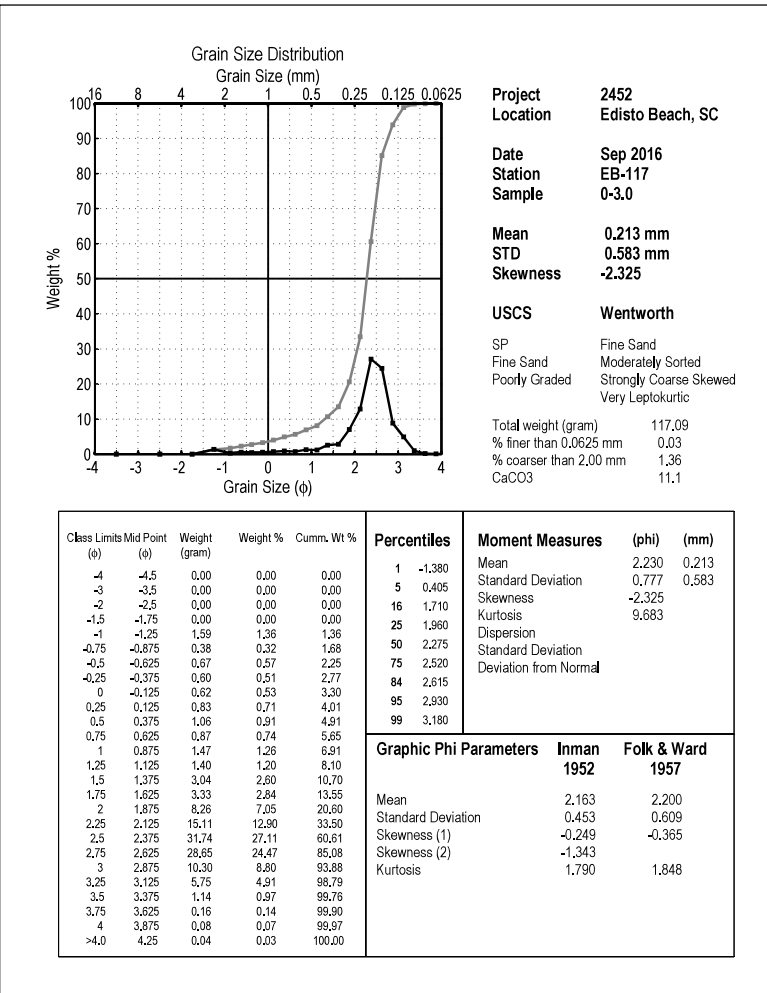
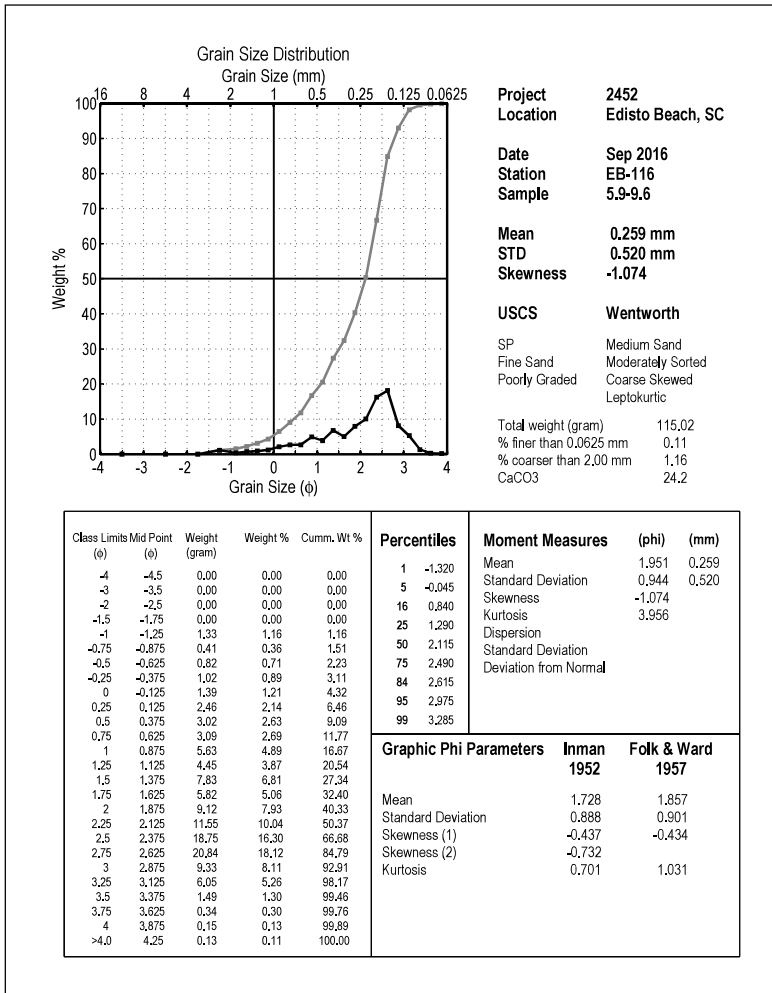
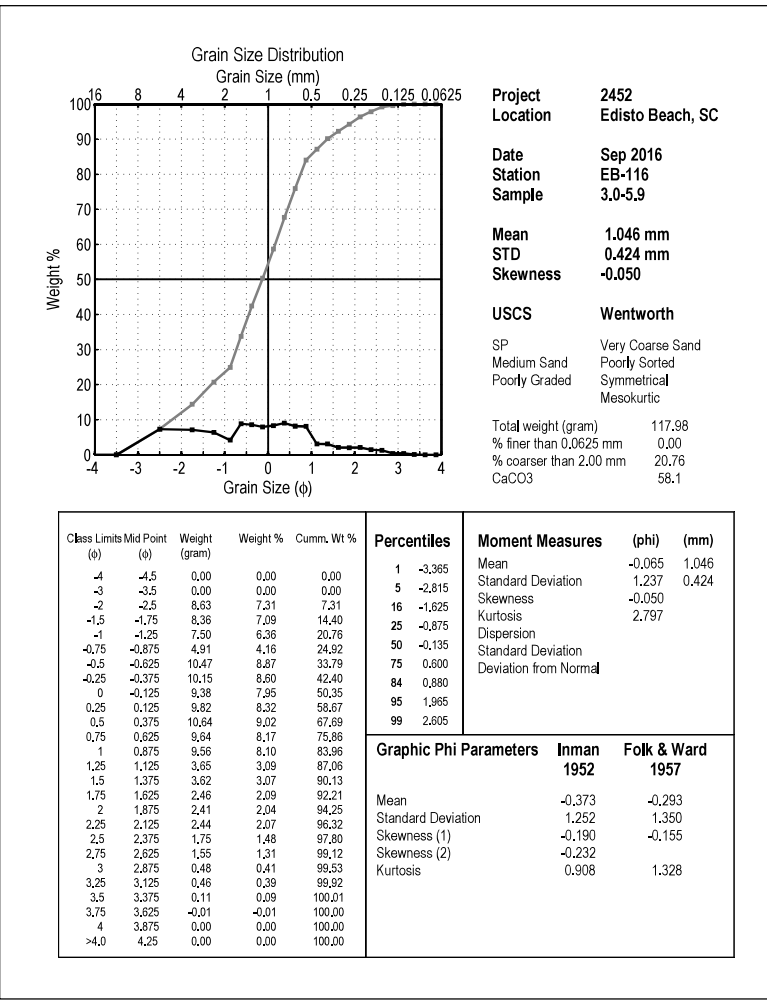
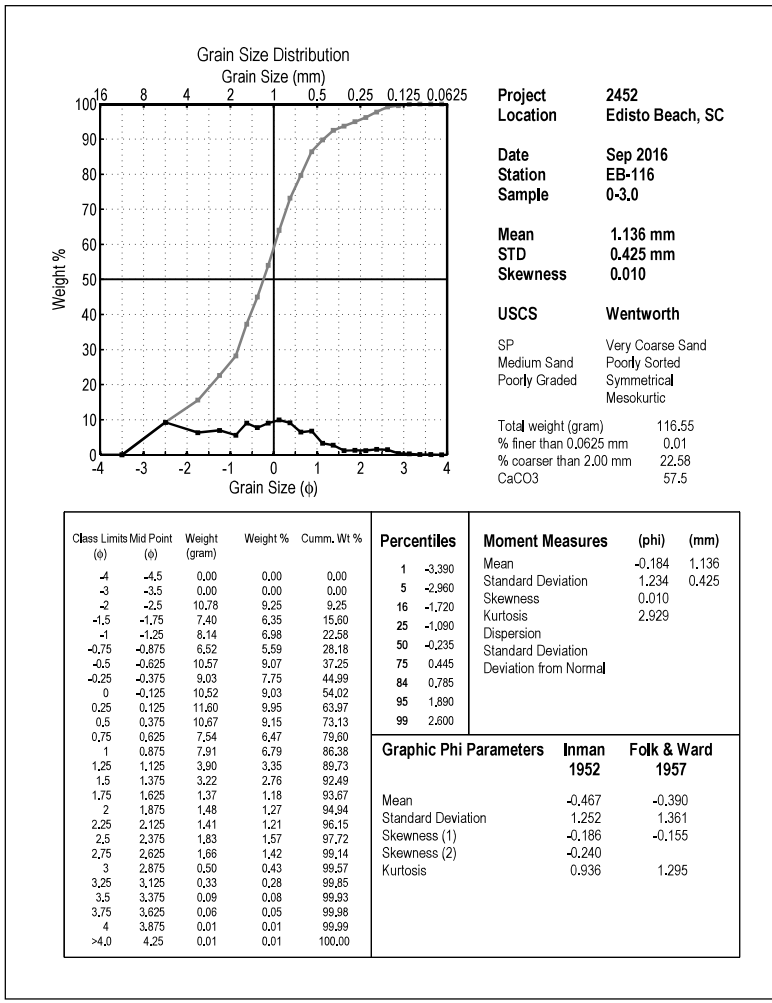
**Mean** 0.234 mm  
**STD** 0.899 mm  
**Skewness** -0.000

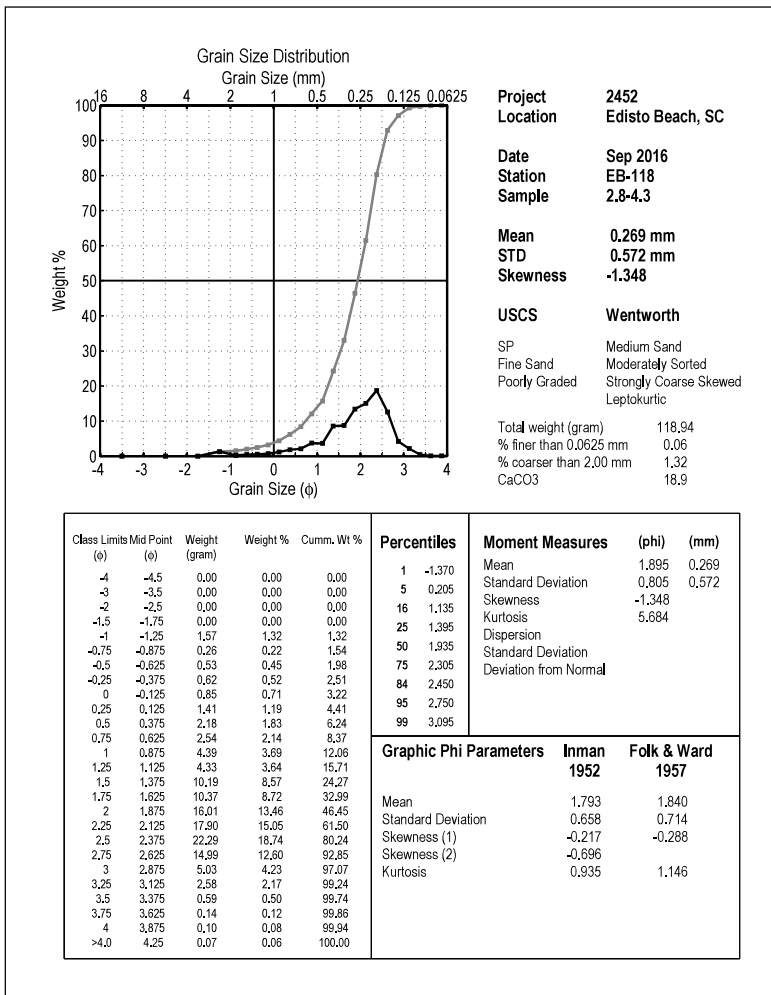
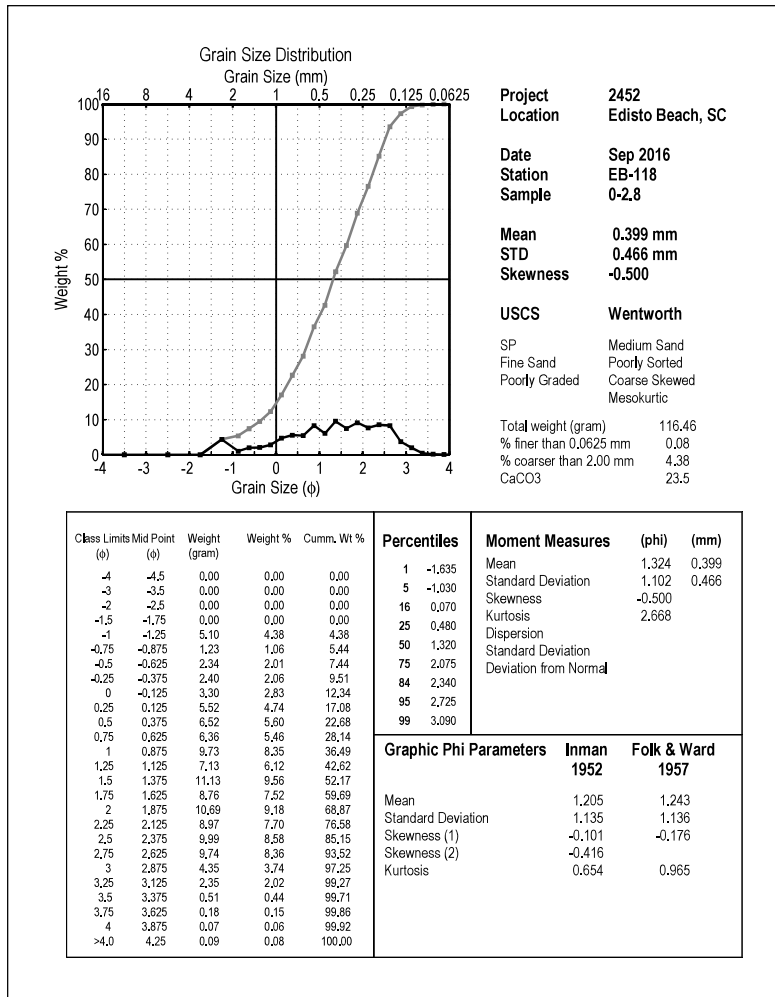
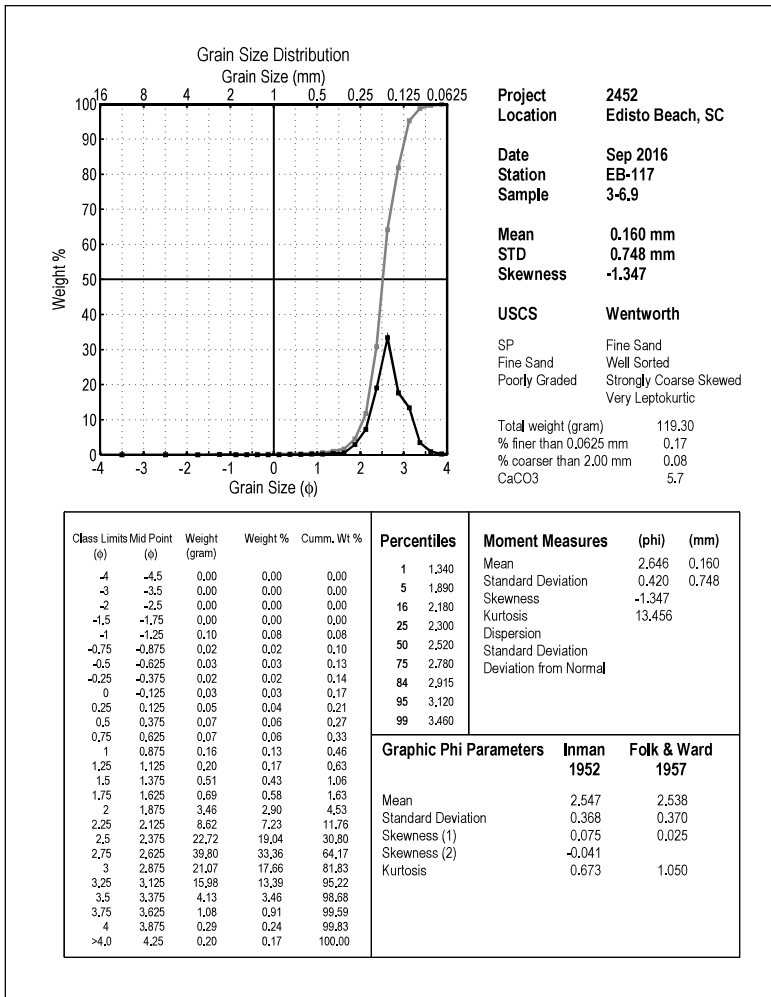
**USCS** Wentworth  
 SP Fine Sand  
 Very Well Sorted  
 Poorly Graded Symmetrical  
 Very Platykurtic

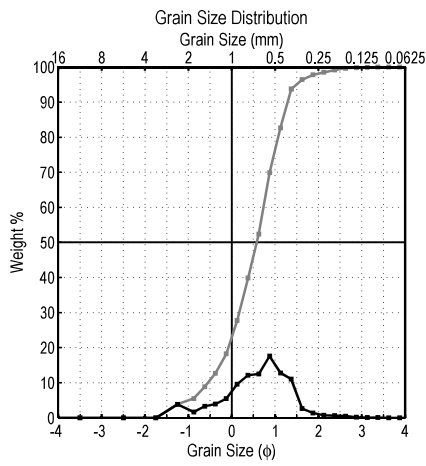
Total weight (gram) 111.04  
 % finer than 0.0625 mm 0.10  
 % coarser than 2.00 mm -2.01  
 CaCO3 17.2

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	-1.58	-1.42	-1.42	1	0.025	Mean 2.099 0.234
-3	-3.5	-1.75	-1.58	-3.00	5	0.600	Standard Deviation 0.000 0.899
-2	-2.5	0.00	0.00	-3.00	16	1.230	Skewness -0.000
-1.5	-1.75	0.00	0.00	-3.00	25	1.505	Kurtosis -215.733
-1	-1.25	1.10	0.99	-2.01	50	1.975	Dispersion
-0.75	-0.875	0.30	0.27	-1.74	75	2.320	Standard Deviation
-0.5	-0.625	0.61	0.55	-1.19	84	2.475	Deviation from Normal
-0.25	-0.375	0.70	0.63	-0.58			
0	-0.125	0.86	0.77	0.22			
0.25	0.125	1.47	1.32	1.54			
0.5	0.375	2.00	1.80	3.34			
0.75	0.625	2.05	1.85	5.19			
1	0.875	4.02	3.62	8.81			
1.25	1.125	4.29	3.86	12.67			
1.5	1.375	8.81	7.93	20.61			
1.75	1.625	9.36	8.43	29.03			
2	1.875	15.73	14.17	43.20			
2.25	2.125	19.01	17.12	60.32			
2.5	2.375	20.82	18.75	79.07			
2.75	2.625	13.65	12.29	91.36			
3	2.875	5.27	4.75	96.11			
3.25	3.125	3.12	2.81	98.92			
3.5	3.375	0.83	0.75	99.67			
3.75	3.625	0.23	0.21	99.87			
4	3.875	0.03	0.03	99.90			
>4.0	4.25	0.11	0.10	100.00			

Graphic Phi Parameters		Inman	Folk & Ward
Mean		1.852	1.893
Standard Deviation		0.622	0.647
Skewness (1)		-0.197	-0.219
Skewness (2)		-0.430	
Kurtosis		0.779	1.114



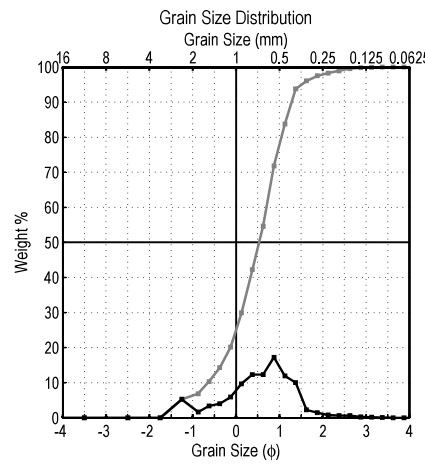




**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-119  
**Sample** 0-3.0  
**Mean** 0.657 mm  
**STD** 0.596 mm  
**Skewness** -0.318  
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Moderately Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic  
 Total weight (gram) 123.14  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 3.85  
 CaCO3 27.1

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	1	-1.620	0.605
-3	-3.5	0.00	0.00	0.00	5	-0.990	0.748
-2	-2.5	0.00	0.00	0.00	16	-0.225	0.748
-1.5	-1.75	0.00	0.00	0.00	25	0.055	0.596
-1	-1.25	4.74	3.85	3.85	50	0.580	3.684
-0.75	-0.875	2.05	1.66	5.51	75	0.975	0.580
-0.5	-0.625	4.04	3.28	8.79	84	1.165	0.975
-0.25	-0.375	4.93	3.92	12.72	95	1.496	1.165
0	-0.125	6.74	5.47	18.19	99	2.325	1.496
0.25	0.125	11.74	9.53	27.72			
0.5	0.375	14.90	12.10	39.82			
0.75	0.625	15.37	12.48	52.31			
1	0.875	21.63	17.57	69.87			
1.25	1.125	15.75	12.79	82.66			
1.5	1.375	13.61	11.05	93.71			
1.75	1.625	3.25	2.64	96.35			
2	1.875	1.71	1.39	97.74			
2.25	2.125	0.92	0.75	98.49			
2.5	2.375	0.78	0.63	99.12			
2.75	2.625	0.61	0.50	99.62			
3	2.875	0.24	0.19	99.81			
3.25	3.125	0.10	0.08	99.89			
3.5	3.375	0.06	0.05	99.94			
3.75	3.625	0.03	0.02	99.97			
4	3.875	0.01	0.01	99.98			
>4.0	4.25	0.03	0.02	100.00			

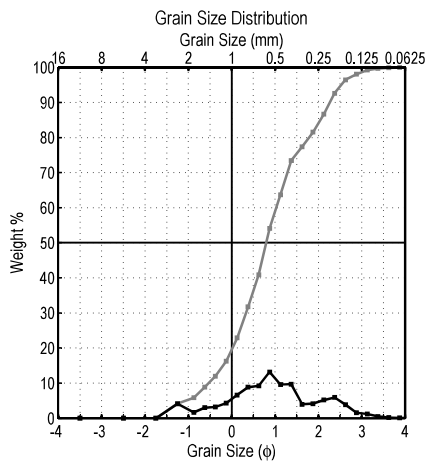
Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.465	0.503
Standard Deviation	0.690	0.722
Skewness (1)	-0.167	-0.215
Skewness (2)	-0.475	
Kurtosis	0.801	1.107



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-119  
**Sample** 3.0-6  
**Mean** 0.678 mm  
**STD** 0.582 mm  
**Skewness** -0.277  
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Moderately Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic  
 Total weight (gram) 113.95  
 % finer than 0.0625 mm 0.01  
 % coarser than 2.00 mm 5.27  
 CaCO3 28.1

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	1	-1.655	0.562
-3	-3.5	0.00	0.00	0.00	5	-1.275	0.678
-2	-2.5	0.00	0.00	0.00	16	-0.305	0.782
-1.5	-1.75	0.00	0.00	0.00	25	0.000	0.582
-1	-1.25	6.01	5.27	5.27	50	0.530	3.570
-0.75	-0.875	1.82	1.60	6.87	75	0.940	0.530
-0.5	-0.625	3.91	3.43	10.30	84	1.130	0.940
-0.25	-0.375	4.56	4.00	14.30	95	1.515	1.130
0	-0.125	6.72	5.90	20.20	99	2.415	1.515
0.25	0.125	11.08	9.72	29.93			
0.5	0.375	14.05	12.33	42.26			
0.75	0.625	14.04	12.32	54.58			
1	0.875	19.63	17.23	71.80			
1.25	1.125	13.59	11.93	83.73			
1.5	1.375	11.41	10.01	93.74			
1.75	1.625	2.59	2.27	96.02			
2	1.875	1.66	1.46	97.47			
2.25	2.125	0.88	0.77	98.24			
2.5	2.375	0.75	0.66	98.90			
2.75	2.625	0.69	0.61	99.51			
3	2.875	0.28	0.25	99.75			
3.25	3.125	0.15	0.13	99.89			
3.5	3.375	0.07	0.06	99.95			
3.75	3.625	0.04	0.04	99.98			
4	3.875	0.01	0.01	99.99			
>4.0	4.25	0.01	0.01	100.00			

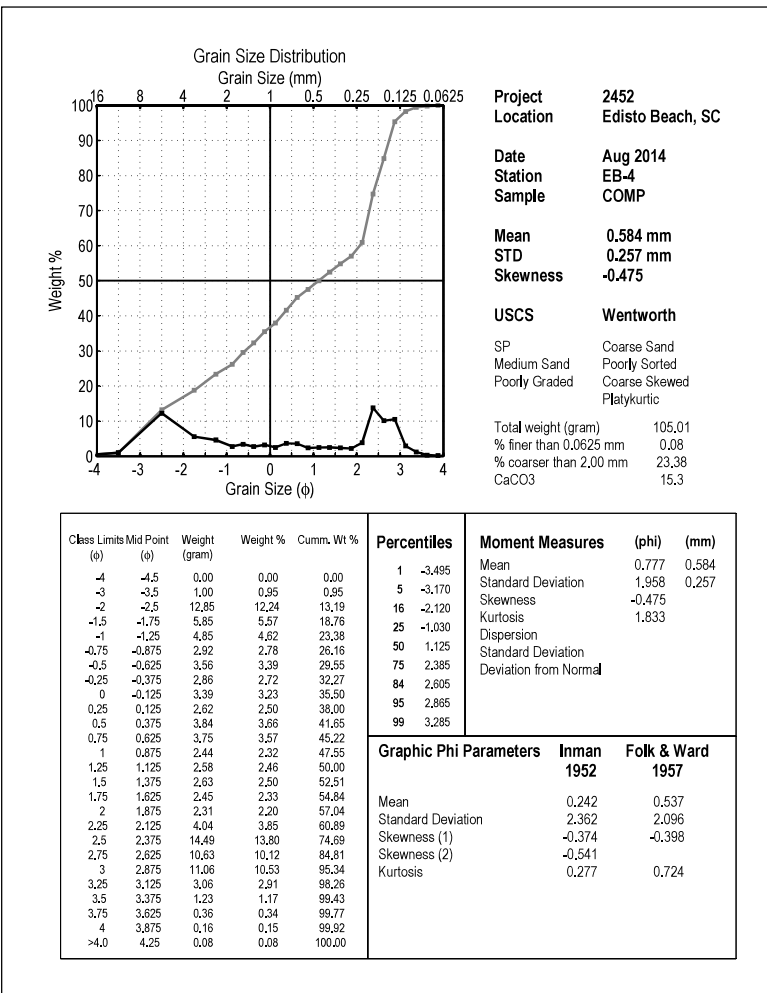
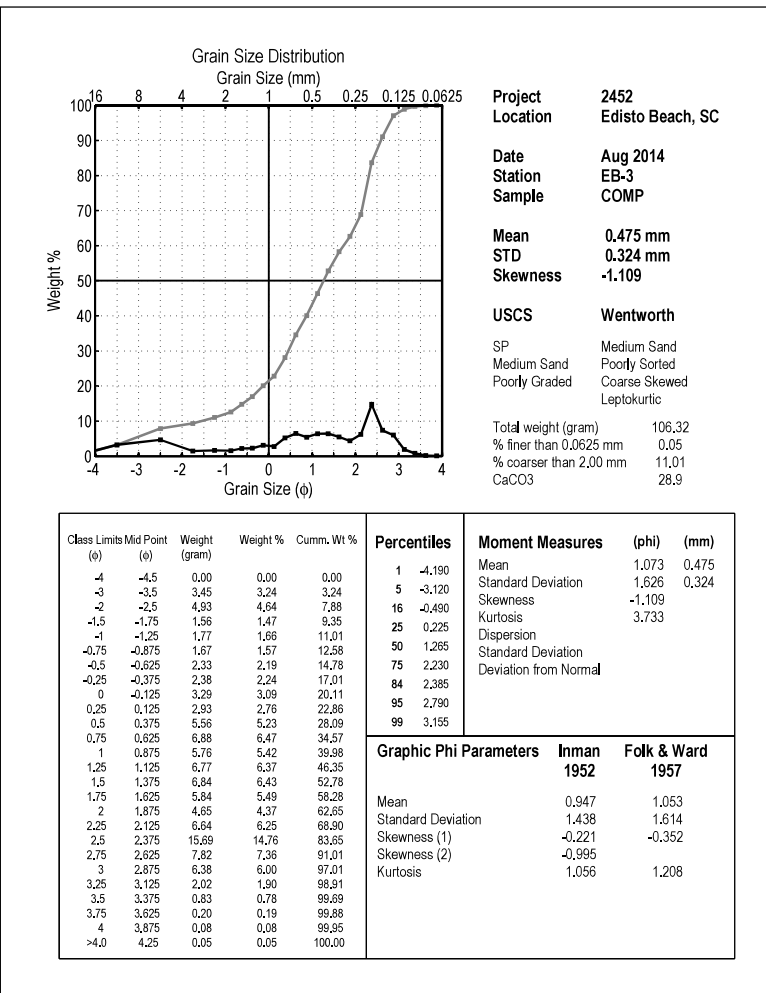
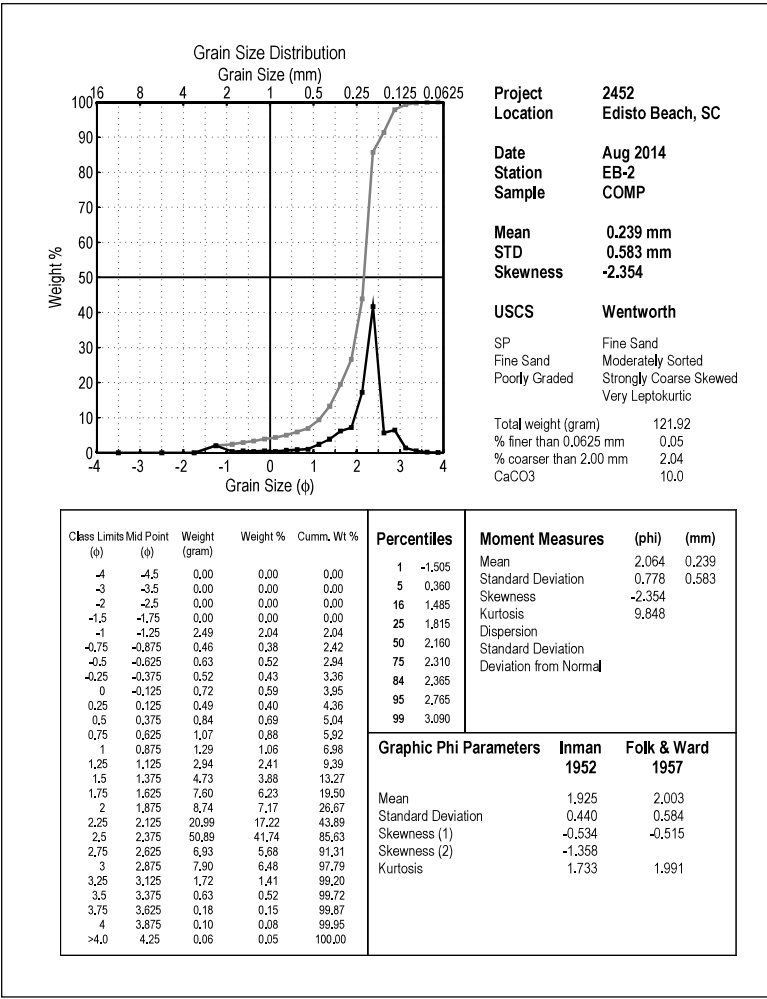
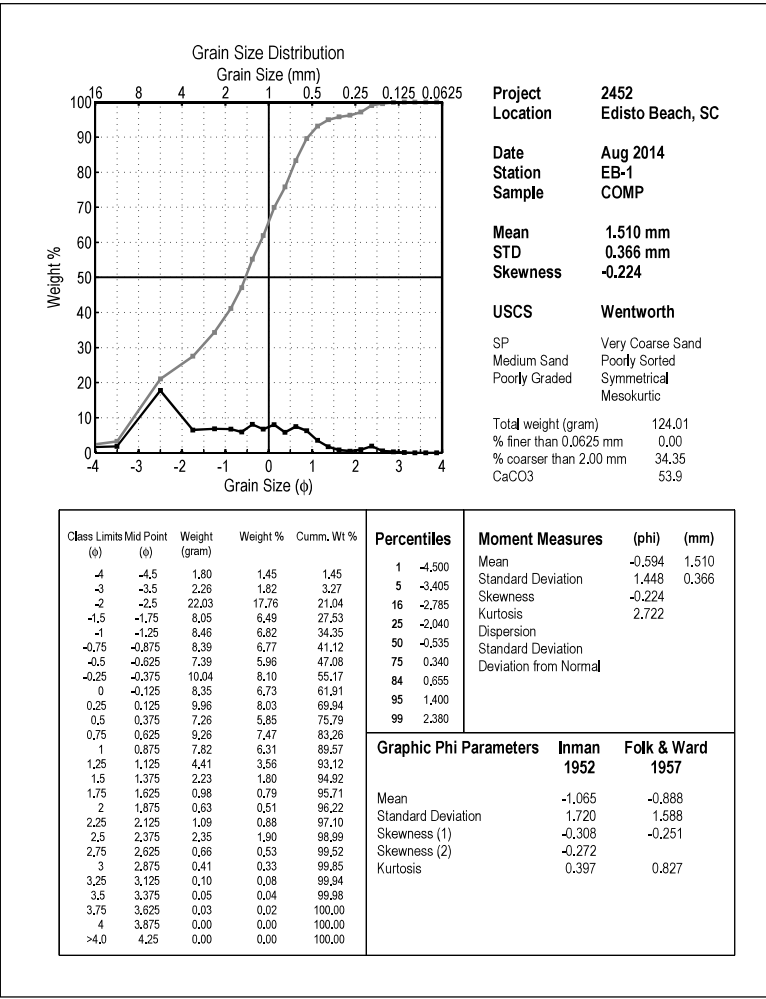
Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.413	0.452
Standard Deviation	0.717	0.781
Skewness (1)	-0.164	-0.229
Skewness (2)	-0.571	
Kurtosis	0.944	1.216



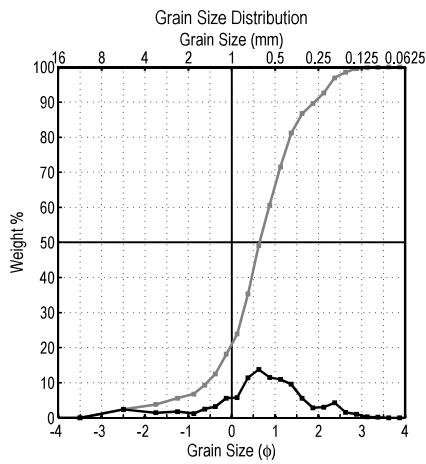
**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-119  
**Sample** 6.0-9  
**Mean** 0.515 mm  
**STD** 0.489 mm  
**Skewness** 0.002  
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic  
 Total weight (gram) 109.89  
 % finer than 0.0625 mm 0.06  
 % coarser than 2.00 mm 4.13  
 CaCO3 26.9

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi)	(mm)
-4	-4.5	0.00	0.00	0.00	1	-1.630	0.958
-3	-3.5	0.00	0.00	0.00	5	-1.055	0.515
-2	-2.5	0.00	0.00	0.00	16	-0.140	1.031
-1.5	-1.75	0.00	0.00	0.00	25	0.185	0.489
-1	-1.25	4.54	4.13	4.13	50	0.795	2.740
-0.75	-0.875	1.83	1.67	5.80	75	1.475	0.795
-0.5	-0.625	3.30	3.00	8.80	84	1.995	1.475
-0.25	-0.375	3.50	3.19	11.99	95	2.530	1.995
0	-0.125	4.73	4.30	16.29	99	3.085	2.530
0.25	0.125	7.26	6.61	22.90			
0.5	0.375	9.69	8.82	31.71			
0.75	0.625	10.12	9.21	40.92			
1	0.875	14.46	13.16	54.08			
1.25	1.125	10.56	9.61	63.69			
1.5	1.375	10.68	9.72	73.41			
1.75	1.625	4.34	3.95	77.36			
2	1.875	4.57	4.16	81.52			
2.25	2.125	5.98	5.47	86.99			
2.5	2.375	6.48	5.90	92.89			
2.75	2.625	4.23	3.85	96.73			
3	2.875	1.74	1.58	98.02			
3.25	3.125	1.29	1.17	99.19			
3.5	3.375	0.52	0.47	99.66			
3.75	3.625	0.22	0.20	99.86			
4	3.875	0.08	0.07	99.94			
>4.0	4.25	0.07	0.06	100.00			

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.928	0.883
Standard Deviation	1.067	1.077
Skewness (1)	0.124	0.046
Skewness (2)	-0.054	
Kurtosis	0.679	1.139



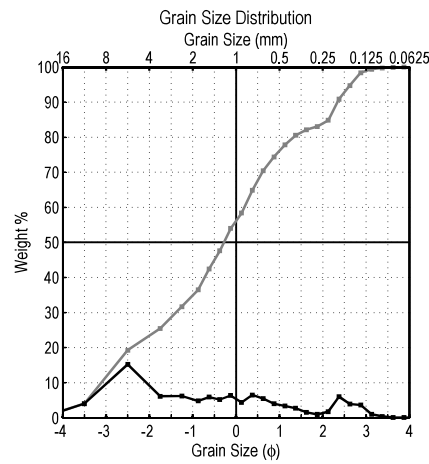




**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-19  
**Sample** COMP  
**Mean** 0.600 mm  
**STD** 0.491 mm  
**Skewness** -0.647  
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Leptokurtic  
 Total weight (gram) 104.74  
 % finer than 0.0625 mm 0.03  
 % coarser than 2.00 mm 5.59  
 CaCO<sub>3</sub> 25.8

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	1 -3.080	Mean 0.738 0.600
-3	-3.5	0.00	0.00	0.00	5 -1.415	Standard Deviation 1.027 0.491
-2	-2.5	2.48	2.37	2.37	16 -0.220	Skewness -0.647
-1.5	-1.75	1.49	1.42	3.79	25 0.150	Kurtosis 4.380
-1	-1.25	1.88	1.79	5.59	50 0.645	Dispersion
-0.75	-0.875	1.29	1.23	6.82	75 1.215	Standard Deviation
-0.5	-0.625	2.65	2.53	9.35	84 1.505	Deviation from Normal
-0.25	-0.375	3.33	3.18	12.53	95 2.265	
0	-0.125	5.88	5.61	18.14	99 2.755	
0.25	0.125	6.02	5.75	23.89		
0.5	0.375	11.98	11.44	35.33		
0.75	0.625	14.43	13.78	49.10		
1	0.875	12.06	11.51	60.62		
1.25	1.125	11.45	10.93	71.55		
1.5	1.375	10.05	9.60	81.14		
1.75	1.625	5.86	5.59	86.74		
2	1.875	2.99	2.85	89.59		
2.25	2.125	3.17	3.03	92.62		
2.5	2.375	4.48	4.28	96.90		
2.75	2.625	1.85	1.58	98.47		
3	2.875	1.08	1.03	99.50		
3.25	3.125	0.28	0.27	99.77		
3.5	3.375	0.15	0.14	99.91		
3.75	3.625	0.04	0.04	99.95		
4	3.875	0.02	0.02	99.97		
>4.0	4.25	0.03	0.03	100.00		

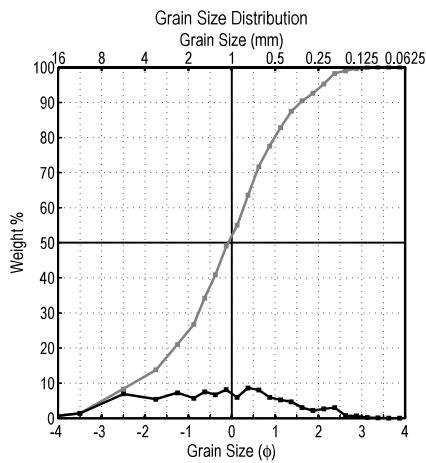
Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.643	0.643
Standard Deviation	0.862	0.989
Skewness (1)	-0.003	-0.061
Skewness (2)	-0.255	
Kurtosis	1.133	1.416



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** EB-27  
**Sample** COMP  
**Mean** 1.113 mm  
**STD** 0.291 mm  
**Skewness** 0.054  
**USCS** Wentworth  
 SP Very Coarse Sand  
 Medium Sand Poorly Sorted  
 Well Graded Symmetrical  
 Platykurtic  
 Total weight (gram) 104.75  
 % finer than 0.0625 mm 0.06  
 % coarser than 2.00 mm 31.67  
 CaCO<sub>3</sub> 41.4

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	1 -4.255	Mean -0.155 1.113
-3	-3.5	4.24	4.05	4.05	5 -3.440	Standard Deviation 1.783 0.291
-2	-2.5	15.88	15.26	19.30	16 -2.715	Skewness 0.054
-1.5	-1.75	6.44	6.15	25.45	25 -1.805	Kurtosis 2.136
-1	-1.25	6.51	6.21	31.67	50 -0.280	Dispersion
-0.75	-0.875	5.07	4.84	36.51	75 0.920	Standard Deviation
-0.5	-0.625	6.18	5.90	42.41	84 2.010	Deviation from Normal
-0.25	-0.375	5.45	5.20	47.61	95 2.645	
0	-0.125	6.68	6.38	53.99	99 3.040	
0.25	0.125	4.61	4.40	58.39		
0.5	0.375	6.81	6.50	64.89		
0.75	0.625	5.74	5.48	70.37		
1	0.875	4.18	3.99	74.36		
1.25	1.125	3.59	3.43	77.79		
1.5	1.375	2.86	2.73	80.52		
1.75	1.625	1.65	1.58	82.09		
2	1.875	0.99	0.95	83.04		
2.25	2.125	1.84	1.76	84.79		
2.5	2.375	6.31	6.02	90.82		
2.75	2.625	4.09	3.90	94.72		
3	2.875	3.79	3.62	98.34		
3.25	3.125	1.04	0.99	99.33		
3.5	3.375	0.42	0.40	99.73		
3.75	3.625	0.13	0.12	99.86		
4	3.875	0.09	0.09	99.94		
>4.0	4.25	0.06	0.06	100.00		

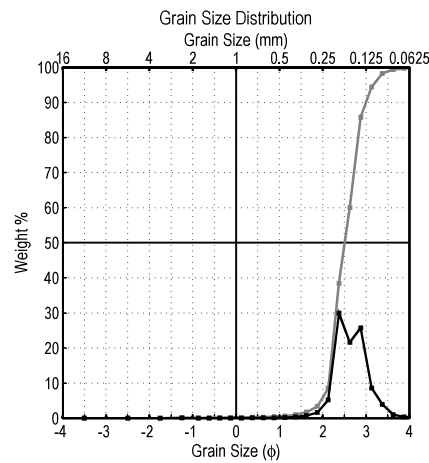
Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	-0.353	-0.328
Standard Deviation	2.362	2.103
Skewness (1)	-0.031	-0.035
Skewness (2)	-0.050	
Kurtosis	0.288	0.915



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** T-101  
**Sample** COMP  
**Mean** 1.006 mm  
**STD** 0.395 mm  
**Skewness** -0.217  
**USCS** Wentworth  
 SP Very Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic  
 Total weight (gram) 105.51  
 % finer than 0.0625 mm 0.01  
 % coarser than 2.00 mm 21.00  
 CaCO<sub>3</sub> 36.5

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	1 -3.775	Mean -0.008 1.006
-3	-3.5	1.46	1.38	1.38	5 -2.980	Standard Deviation 1.341 0.395
-2	-2.5	7.33	6.95	8.33	16 -1.595	Skewness -0.217
-1.5	-1.75	5.73	5.43	13.76	25 -0.985	Kurtosis 2.783
-1	-1.25	7.64	7.24	21.00	50 -0.085	Dispersion
-0.75	-0.875	6.01	5.70	26.70	75 0.770	Standard Deviation
-0.5	-0.625	7.95	7.53	34.23	84 1.190	Deviation from Normal
-0.25	-0.375	7.06	6.69	40.93	95 2.100	
0	-0.125	8.56	8.11	49.04	99 2.625	
0.25	0.125	6.26	5.93	54.97		
0.5	0.375	9.07	8.60	63.57		
0.75	0.625	8.49	8.05	71.61		
1	0.875	6.25	5.92	77.54		
1.25	1.125	5.52	5.23	82.77		
1.5	1.375	4.96	4.70	87.47		
1.75	1.625	3.16	2.99	90.47		
2	1.875	2.27	2.15	92.62		
2.25	2.125	2.77	2.63	95.24		
2.5	2.375	3.20	3.03	98.28		
2.75	2.625	0.77	0.73	99.00		
3	2.875	0.67	0.64	99.64		
3.25	3.125	0.21	0.20	99.84		
3.5	3.375	0.12	0.11	99.95		
3.75	3.625	0.03	0.03	99.98		
4	3.875	0.01	0.01	99.99		
>4.0	4.25	0.01	0.01	100.00		

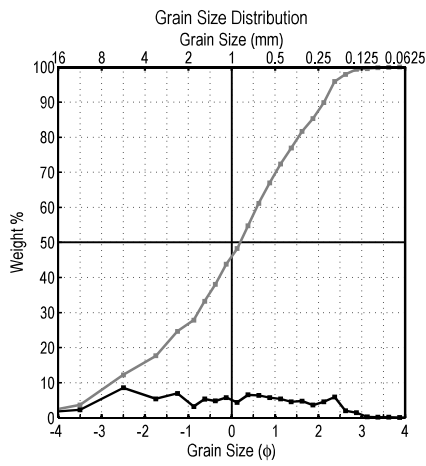
Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	-0.202	-0.163
Standard Deviation	1.392	1.466
Skewness (1)	-0.084	-0.112
Skewness (2)	-0.255	
Kurtosis	0.824	1.186



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Aug 2014  
**Station** T-102  
**Sample** COMP  
**Mean** 0.160 mm  
**STD** 0.750 mm  
**Skewness** -1.048  
**USCS** Wentworth  
 SP Fine Sand  
 Fine Sand Well Sorted  
 Poorly Graded Coarse Skewed  
 Very Leptokurtic  
 Total weight (gram) 109.48  
 % finer than 0.0625 mm 0.32  
 % coarser than 2.00 mm 0.05  
 CaCO<sub>3</sub> 22.1

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)
-4	-4.5	0.00	0.00	0.00	1 1.385	Mean 2.643 0.160
-3	-3.5	0.00	0.00	0.00	5 1.955	Standard Deviation 0.415 0.750
-2	-2.5	0.00	0.00	0.00	16 2.185	Skewness -1.048
-1.5	-1.75	0.00	0.00	0.00	25 2.265	Kurtosis 12.897
-1	-1.25	0.06	0.05	0.05	50 2.510	Dispersion
-0.75	-0.875	0.02	0.02	0.07	75 2.770	Standard Deviation
-0.5	-0.625	0.04	0.04	0.11	84 2.880	Deviation from Normal
-0.25	-0.375	0.03	0.03	0.14	95 3.165	
0	-0.125	0.04	0.04	0.17	99 3.550	
0.25	0.125	0.03	0.03	0.20		
0.5	0.375	0.05	0.05	0.25		
0.75	0.625	0.10	0.09	0.34		
1	0.875	0.11	0.10	0.44		
1.25	1.125	0.19	0.17	0.61		
1.5	1.375	0.39	0.36	0.97		
1.75	1.625	0.83	0.76	1.73		
2	1.875	1.78	1.63	3.35		
2.25	2.125	5.98	5.19	8.54		
2.5	2.375	32.72	29.89	38.43		
2.75	2.625	23.68	21.63	60.06		
3	2.875	28.15	25.71	85.77		
3.25	3.125	9.39	8.58	94.35		
3.5	3.375	4.31	3.94	98.28		
3.75	3.625	1.13	1.03	99.31		
4	3.875	0.40	0.37	99.68		
>4.0	4.25	0.35	0.32	100.00		

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	2.523	2.518
Standard Deviation	0.337	0.352
Skewness (1)	0.037	0.060
Skewness (2)	0.148	
Kurtosis	0.793	0.982



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-101  
**Sample** COMP

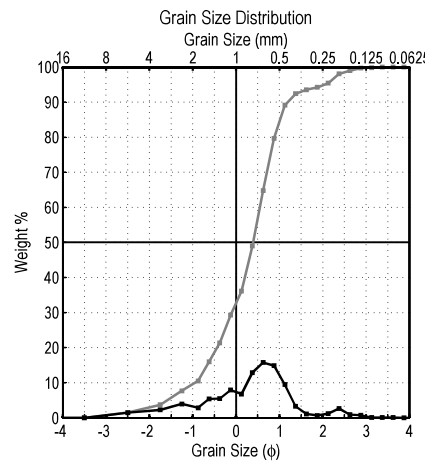
**Mean** 0.919 mm  
**STD** 0.315 mm  
**Skewness** -0.459

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic

Total weight (gram) 107.27  
 % finer than 0.0625 mm 0.05  
 % coarser than 2.00 mm 24.64  
 CaCO3 9.3

Class Limits	Mid Point (phi)	(e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures	(phi)	(mm)
-4	-4.5	1.49	1.39	1.39	1.39	1	Mean	0.121	0.919
-3	-3.5	2.45	2.28	3.67	3.67	5	Standard Deviation	1.668	0.315
-2	-2.5	9.18	8.56	12.23	12.23	16	Skewness	-0.459	
-1.5	-1.75	5.84	5.44	17.68	17.68	25	Kurtosis	2.691	
-1	-1.25	7.47	6.96	24.64	24.64	50	Dispersion	-1.210	
-0.75	-0.875	3.48	3.24	27.88	27.88	75	Standard Deviation	0.195	
-0.5	-0.625	5.73	5.34	33.22	33.22	84	Deviation from Normal	1.270	
-0.25	-0.375	5.19	4.84	38.06	38.06	95		1.785	
0	-0.125	6.17	5.75	43.81	43.81	99		2.340	
0.25	0.125	4.73	4.41	48.22	48.22			2.825	
0.5	0.375	7.01	6.53	54.76	54.76				
0.75	0.625	6.85	6.39	61.14	61.14				
1	0.875	6.20	5.78	66.92	66.92				
1.25	1.125	5.79	5.40	72.32	72.32				
1.5	1.375	4.89	4.56	76.88	76.88				
1.75	1.625	5.13	4.78	81.66	81.66				
2	1.875	3.91	3.65	85.31	85.31				
2.25	2.125	4.89	4.56	89.87	89.87				
2.5	2.375	6.38	5.95	95.81	95.81				
2.75	2.625	2.20	2.05	97.87	97.87				
3	2.875	1.53	1.43	99.29	99.29				
3.25	3.125	0.29	0.27	99.56	99.56				
3.5	3.375	0.22	0.21	99.77	99.77				
3.75	3.625	0.15	0.14	99.91	99.91				
4	3.875	0.05	0.05	99.95	99.95				
>4.0	4.25	0.05	0.05	100.00	100.00				

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	-0.097	0.000
Standard Deviation	1.883	1.803
Skewness (1)	-0.155	-0.200
Skewness (2)	-0.371	
Kurtosis	0.510	0.939



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-107  
**Sample** COMP

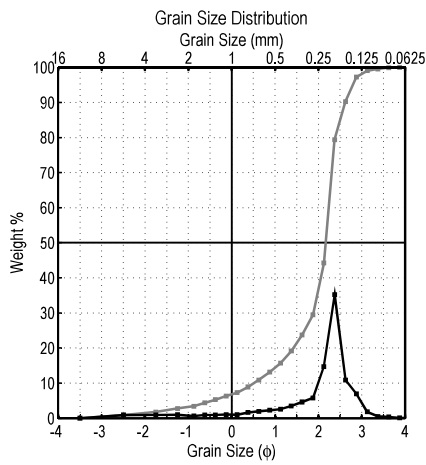
**Mean** 0.759 mm  
**STD** 0.516 mm  
**Skewness** -0.251

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Moderately Sorted  
 Poorly Graded Symmetrical  
 Leptokurtic

Total weight (gram) 108.80  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 7.68  
 CaCO3 33.8

Class Limits	Mid Point (phi)	(e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures	(phi)	(mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	Mean	0.398	0.759
-3	-3.5	0.00	0.00	0.00	0.00	5	Standard Deviation	0.955	0.516
-2	-2.5	1.61	1.48	1.48	1.48	16	Skewness	-0.251	
-1.5	-1.75	2.44	2.24	3.72	3.72	25	Kurtosis	4.068	
-1	-1.25	4.31	3.96	7.68	7.68	50	Dispersion		
-0.75	-0.875	3.09	2.84	10.52	10.52	75	Standard Deviation	0.390	
-0.5	-0.625	5.87	5.40	15.92	15.92	84	Deviation from Normal	0.795	
-0.25	-0.375	5.97	5.49	21.41	21.41	95		0.990	
0	-0.125	8.63	7.93	29.34	29.34	99		2.045	
0.25	0.125	7.40	6.80	36.14	36.14			2.645	
0.5	0.375	14.01	12.88	49.02	49.02				
0.75	0.625	17.14	15.75	64.77	64.77				
1	0.875	16.15	14.84	79.61	79.61				
1.25	1.125	10.28	9.45	89.06	89.06				
1.5	1.375	3.60	3.31	92.37	92.37				
1.75	1.625	1.24	1.14	93.51	93.51				
2	1.875	0.74	0.68	94.19	94.19				
2.25	2.125	1.28	1.18	95.37	95.37				
2.5	2.375	2.87	2.64	98.01	98.01				
2.75	2.625	1.02	0.94	98.94	98.94				
3	2.875	0.81	0.74	99.69	99.69				
3.25	3.125	0.14	0.13	99.82	99.82				
3.5	3.375	0.11	0.10	99.92	99.92				
3.75	3.625	0.06	0.06	99.97	99.97				
4	3.875	0.01	0.01	99.98	99.98				
>4.0	4.25	0.02	0.02	100.00	100.00				

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.185	0.253
Standard Deviation	0.805	0.953
Skewness (1)	-0.255	-0.172
Skewness (2)	-0.202	
Kurtosis	1.258	1.412



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-108  
**Sample** COMP

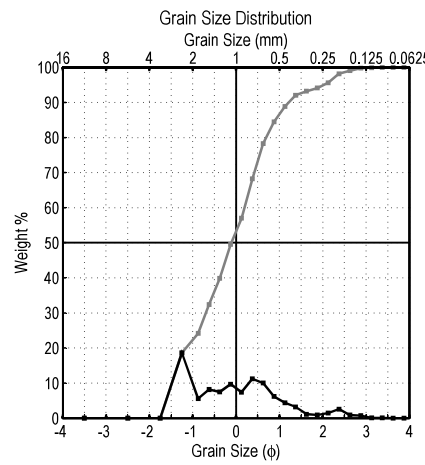
**Mean** 0.258 mm  
**STD** 0.500 mm  
**Skewness** -2.117

**USCS** Wentworth  
 SP Medium Sand  
 Fine Sand Poorly Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Very Leptokurtic

Total weight (gram) 102.85  
 % finer than 0.0625 mm 0.05  
 % coarser than 2.00 mm 2.77  
 CaCO3 9.5

Class Limits	Mid Point (phi)	(e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures	(phi)	(mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	Mean	1.956	0.258
-3	-3.5	0.00	0.00	0.00	0.00	5	Standard Deviation	1.001	0.500
-2	-2.5	0.91	0.88	0.88	0.88	16	Skewness	-2.117	
-1.5	-1.75	0.93	0.90	1.79	1.79	25	Kurtosis	8.002	
-1	-1.25	1.01	0.98	2.77	2.77	50	Dispersion	1.680	
-0.75	-0.875	0.66	0.64	3.41	3.41	75	Standard Deviation	2.165	
-0.5	-0.625	0.96	0.93	4.35	4.35	84	Deviation from Normal	2.345	
-0.25	-0.375	0.95	0.92	5.27	5.27	95		2.480	
0	-0.125	1.10	1.07	6.34	6.34	99		2.795	
0.25	0.125	0.98	0.95	7.29	7.29			3.120	
0.5	0.375	1.66	1.61	8.91	8.91				
0.75	0.625	2.02	1.96	10.87	10.87				
1	0.875	2.32	2.26	13.13	13.13				
1.25	1.125	2.62	2.55	15.67	15.67				
1.5	1.375	3.56	3.46	19.13	19.13				
1.75	1.625	4.73	4.60	23.73	23.73				
2	1.875	5.93	5.77	29.50	29.50				
2.25	2.125	15.12	14.70	44.20	44.20				
2.5	2.375	36.21	35.21	79.41	79.41				
2.75	2.625	11.14	10.83	90.24	90.24				
3	2.875	7.16	6.96	97.20	97.20				
3.25	3.125	1.89	1.84	99.04	99.04				
3.5	3.375	0.50	0.49	99.52	99.52				
3.75	3.625	0.37	0.36	99.88	99.88				
4	3.875	0.07	0.07	99.95	99.95				
>4.0	4.25	0.05	0.05	100.00	100.00				

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	1.815	1.932
Standard Deviation	0.665	0.824
Skewness (1)	-0.526	-0.569
Skewness (2)	-1.492	
Kurtosis	1.440	2.000



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-102  
**Sample** COMP

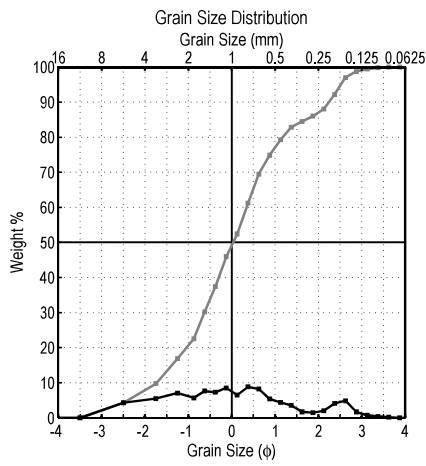
**Mean** 0.953 mm  
**STD** 0.498 mm  
**Skewness** 0.582

**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Fine Skewed  
 Mesokurtic

Total weight (gram) 119.51  
 % finer than 0.0625 mm 0.00  
 % coarser than 2.00 mm 18.60  
 CaCO3 50.4

Class Limits	Mid Point (phi)	(e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures	(phi)	(mm)
-4	-4.5	0.00	0.00	0.00	0.00	1	Mean	0.069	0.953
-3	-3.5	0.00	0.00	0.00	0.00	5	Standard Deviation	1.006	0.498
-2	-2.5	0.00	0.00	0.00	0.00	16	Skewness	0.582	
-1.5	-1.75	0.00	0.00	0.00	0.00	25	Kurtosis	2.969	
-1	-1.25	22.23	18.60	18.60	18.60	50	Dispersion		
-0.75	-0.875	6.67	5.58	24.18	24.18	75	Standard Deviation	-0.110	
-0.5	-0.625	9.76	8.17	32.35	32.35	84	Deviation from Normal	0.545	
-0.25	-0.375	8.97	7.51	39.85	39.85	95		0.880	
0	-0.125	11.63	9.73	49.59	49.59	99		2.025	
0.25	0.125	8.86	7.41	57.00	57.00			2.610	
0.5	0.375	13.40	11.21	68.21	68.21				
0.75	0.625	11.98	10.02	78.24	78.24				
1	0.875	7.40	6.19	84.43	84.43				
1.25	1.125	5.24	4.38	88.81	88.81				
1.5	1.375	3.86	3.23	92.04	92.04				
1.75	1.625	1.36	1.14	93.18	93.18				
2	1.875	1.10	0.92	94.10	94.10				
2.25	2.125	1.77	1.48	95.58	95.58				
2.5	2.375	3.08	2.58	98.16	98.16				
2.75	2.625	1.06	0.89	99.05	99.05				
3	2.875	0.88	0.74	99.78	99.78				
3.25	3.125	0.14	0.12	99.90	99.90				
3.5	3.375	0.07	0.06	99.96	99.96				
3.75	3.625	0.05	0.04	100.00	100.00				
4	3.875	0.00	0.00	100.00	100.00				
>4.0	4.25	0.00	0.00	100.00	100.00				

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	-0.230	-0.190
Standard Deviation	1.090	1.097
Skewness (1)	-0.110	0.031
Skewness (2)	0.289	
Kurtosis	0.670	1.069

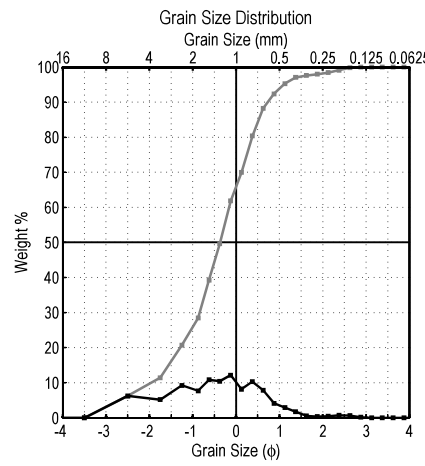


**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-104  
**Sample** COMP  
**Mean** 0.854 mm  
**STD** 0.392 mm  
**Skewness** 0.193  
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical Mesokurtic  
 Total weight (gram) 120.46  
 % finer than 0.0625 mm 0.04  
 % coarser than 2.00 mm 16.82  
 CaCO3 32.9

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	5.16	4.28	4.28
-1.5	-1.75	6.61	5.49	9.77
-1	-1.25	8.49	7.05	16.82
-0.75	-0.875	6.86	5.69	22.51
-0.5	-0.625	9.23	7.66	30.18
-0.25	-0.375	8.75	7.26	37.44
0	-0.125	10.25	8.51	45.95
0.25	0.125	7.76	6.44	52.39
0.5	0.375	10.63	8.82	61.22
0.75	0.625	9.91	8.23	69.44
1	0.875	6.51	5.40	74.85
1.25	1.125	5.31	4.41	79.25
1.5	1.375	4.27	3.54	82.80
1.75	1.625	2.06	1.71	84.51
2	1.875	1.78	1.48	85.99
2.25	2.125	2.48	2.06	88.05
2.5	2.375	4.94	4.10	92.15
2.75	2.625	5.84	4.85	96.99
3	2.875	2.03	1.69	98.68
3.25	3.125	0.83	0.69	99.37
3.5	3.375	0.50	0.42	99.78
3.75	3.625	0.16	0.13	99.92
4	3.875	0.05	0.04	99.96
>4.0	4.25	0.05	0.04	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.285	
5	-2.400	
16	-1.310	
25	-0.795	
50	0.030	
75	0.885	
84	1.550	
95	2.520	
99	2.990	

Graphic Phi Parameters	Inman	Folk & Ward
Mean	0.120	0.090
Standard Deviation	1.430	1.460
Skewness (1)	0.063	0.038
Skewness (2)	0.021	
Kurtosis	0.720	1.200

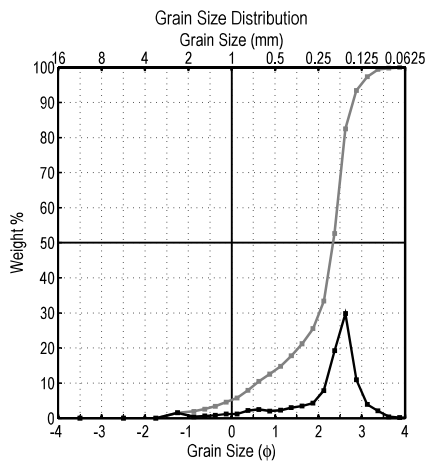


**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-105  
**Sample** COMP  
**Mean** 1.226 mm  
**STD** 0.495 mm  
**Skewness** -0.063  
**USCS** Wentworth  
 SP Very Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical Mesokurtic  
 Total weight (gram) 120.42  
 % finer than 0.0625 mm 0.01  
 % coarser than 2.00 mm 20.70  
 CaCO3 26.3

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	7.54	6.26	6.26
-1.5	-1.75	6.25	5.19	11.45
-1	-1.25	11.14	9.25	20.70
-0.75	-0.875	9.27	7.70	28.40
-0.5	-0.625	13.04	10.83	39.23
-0.25	-0.375	12.68	10.45	49.68
0	-0.125	14.65	12.17	61.84
0.25	0.125	9.82	8.15	70.00
0.5	0.375	12.42	10.31	80.31
0.75	0.625	9.50	7.89	88.20
1	0.875	4.97	4.13	92.33
1.25	1.125	3.51	2.91	95.24
1.5	1.375	2.12	1.76	97.00
1.75	1.625	0.70	0.58	97.58
2	1.875	0.43	0.36	97.94
2.25	2.125	0.54	0.45	98.39
2.5	2.375	0.84	0.70	99.09
2.75	2.625	0.61	0.67	99.76
3	2.875	0.19	0.16	99.92
3.25	3.125	0.03	0.02	99.94
3.5	3.375	0.03	0.02	99.97
3.75	3.625	0.02	0.02	99.98
4	3.875	0.01	0.01	99.99
>4.0	4.25	0.01	0.01	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-3.340	
5	-2.700	
16	-1.505	
25	-1.040	
50	-0.370	
75	0.245	
84	0.490	
95	1.105	
99	2.345	

Graphic Phi Parameters	Inman	Folk & Ward
Mean	-0.508	-0.462
Standard Deviation	0.997	1.075
Skewness (1)	-0.138	-0.181
Skewness (2)	-0.429	
Kurtosis	0.907	1.214

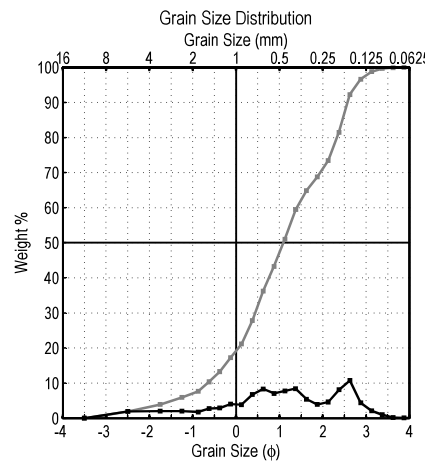


**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-106  
**Sample** COMP  
**Mean** 0.225 mm  
**STD** 0.526 mm  
**Skewness** -1.687  
**USCS** Wentworth  
 SP Fine Sand  
 Medium Sand Moderately Sorted  
 Poorly Graded Strongly Coarse Skewed Leptokurtic  
 Total weight (gram) 119.24  
 % finer than 0.0625 mm 0.07  
 % coarser than 2.00 mm 1.51  
 CaCO3 20.7

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	0.00	0.00	0.00
-1.5	-1.75	0.00	0.00	0.00
-1	-1.25	1.80	1.51	1.51
-0.75	-0.875	0.51	0.43	1.94
-0.5	-0.625	0.76	0.64	2.57
-0.25	-0.375	0.98	0.82	3.40
0	-0.125	1.42	1.19	4.59
0.25	0.125	1.43	1.20	5.79
0.5	0.375	2.60	2.18	7.97
0.75	0.625	3.01	2.52	10.49
1	0.875	2.44	2.05	12.54
1.25	1.125	2.67	2.24	14.78
1.5	1.375	3.58	3.00	17.78
1.75	1.625	4.10	3.44	21.22
2	1.875	5.13	4.30	25.52
2.25	2.125	9.40	7.88	33.40
2.5	2.375	22.97	19.26	52.67
2.75	2.625	35.53	29.80	82.46
3	2.875	13.01	10.91	93.37
3.25	3.125	4.66	3.91	97.28
3.5	3.375	2.48	2.08	99.36
3.75	3.625	0.48	0.40	99.77
4	3.875	0.20	0.17	99.93
>4.0	4.25	0.08	0.07	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-1.420	
5	-0.040	
16	1.225	
25	1.845	
50	2.340	
75	2.560	
84	2.680	
95	2.980	
99	3.330	

Graphic Phi Parameters	Inman	Folk & Ward
Mean	1.943	2.075
Standard Deviation	0.718	0.816
Skewness (1)	-0.554	-0.565
Skewness (2)	-1.213	
Kurtosis	1.105	1.731

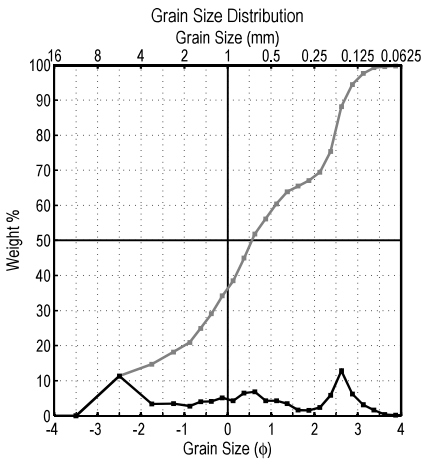


**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2015  
**Station** EB-110  
**Sample** COMP  
**Mean** 0.447 mm  
**STD** 0.410 mm  
**Skewness** -0.569  
**USCS** Wentworth  
 SP Medium Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Coarse Skewed Mesokurtic  
 Total weight (gram) 119.37  
 % finer than 0.0625 mm 0.04  
 % coarser than 2.00 mm 5.91  
 CaCO3 45.4

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %
-4	-4.5	0.00	0.00	0.00
-3	-3.5	0.00	0.00	0.00
-2	-2.5	2.28	1.91	1.91
-1.5	-1.75	2.40	2.01	3.92
-1	-1.25	2.37	1.99	5.91
-0.75	-0.875	2.11	1.77	7.67
-0.5	-0.625	3.23	2.71	10.38
-0.25	-0.375	3.46	2.90	13.28
0	-0.125	4.78	4.00	17.28
0.25	0.125	4.60	3.85	21.14
0.5	0.375	8.01	6.71	27.85
0.75	0.625	9.97	8.35	36.20
1	0.875	8.44	7.07	43.27
1.25	1.125	9.26	7.76	51.03
1.5	1.375	10.05	8.42	59.45
1.75	1.625	6.47	5.42	64.87
2	1.875	4.68	3.92	68.79
2.25	2.125	5.53	4.63	73.42
2.5	2.375	9.65	8.08	81.50
2.75	2.625	12.81	10.73	92.23
3	2.875	5.20	4.36	96.59
3.25	3.125	2.56	2.14	98.74
3.5	3.375	1.15	0.96	99.70
3.75	3.625	0.24	0.20	99.90
4	3.875	0.07	0.06	99.96
>4.0	4.25	0.05	0.04	100.00

Percentiles	Moment Measures (phi)	(mm)
1	-2.975	
5	-1.480	
16	-0.205	
25	0.270	
50	1.090	
75	2.175	
84	2.435	
95	2.785	
99	3.195	

Graphic Phi Parameters	Inman	Folk & Ward
Mean	1.115	1.107
Standard Deviation	1.320	1.306
Skewness (1)	0.019	-0.093
Skewness (2)	-0.331	
Kurtosis	0.616	0.918



Project 2452  
Location Edisto Beach, SC

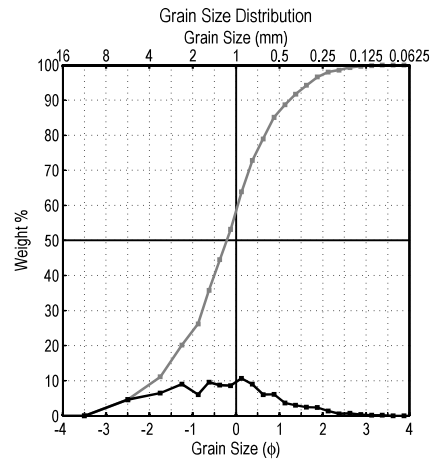
Date Sep 2015  
Station EB-111  
Sample COMP

Mean 0.617 mm  
STD 0.291 mm  
Skewness -0.310

USCS Wentworth

SP Coarse Sand  
Medium Sand Poorly Sorted  
Poorly Graded Symmetrical  
Platykurtic

Total weight (gram) 119.33  
% finer than 0.0625 mm 0.27  
% coarser than 2.00 mm 18.15  
CaCO3 28.0



Project 2452  
Location Edisto Beach, SC

Date Sep 2016  
Station EB-112  
Sample COMP

Mean 1.077 mm  
STD 0.458 mm  
Skewness 0.083

USCS Wentworth

SP Very Coarse Sand  
Medium Sand Poorly Sorted  
Poorly Graded Symmetrical  
Mesokurtic

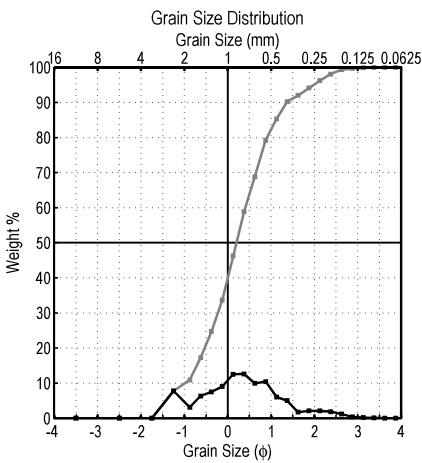
Total weight (gram) 119.80  
% finer than 0.0625 mm 0.03  
% coarser than 2.00 mm 20.16  
CaCO3 58.0

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.410	
-3	-3.5	0.00	0.00	0.00	5	-3.060	
-2	-2.5	13.54	11.35	11.35	16	-1.560	
-1.5	-1.75	4.00	3.35	14.70	25	-0.620	
-1	-1.25	4.12	3.45	18.15	50	0.560	
-0.75	-0.875	3.32	2.78	20.93	75	2.360	
-0.5	-0.625	4.79	4.01	24.95	84	2.545	
-0.25	-0.375	4.89	4.10	29.05	95	2.920	
0	-0.125	6.12	5.13	34.17	99	3.345	
0.25	0.125	5.09	4.27	38.44			
0.5	0.375	7.76	6.50	44.94			
0.75	0.625	8.18	6.85	51.80			
1	0.875	5.17	4.33	56.13			
1.25	1.125	5.12	4.29	60.42			
1.5	1.375	4.12	3.45	63.87			
1.75	1.625	1.94	1.63	65.50			
2	1.875	1.89	1.58	67.08			
2.25	2.125	2.83	2.37	69.45			
2.5	2.375	7.00	5.87	75.32			
2.75	2.625	15.32	12.84	88.16			
3	2.875	7.47	6.26	94.42			
3.25	3.125	3.76	3.15	97.57			
3.5	3.375	1.93	1.62	99.19			
3.75	3.625	0.44	0.37	99.56			
4	3.875	0.21	0.18	99.73			
>4.0	4.25	0.32	0.27	100.00			

Percentiles	Inman 1952	Folk & Ward 1957
Mean	0.492	0.515
Standard Deviation	2.053	1.932
Skewness (1)	-0.033	-0.122
Skewness (2)	-0.307	
Kurtosis	0.457	0.822

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.285	
-3	-3.5	0.00	0.00	0.00	5	-2.460	
-2	-2.5	5.55	4.63	4.63	16	-1.480	
-1.5	-1.75	7.80	6.51	11.14	25	-0.950	
-1	-1.25	10.80	9.02	20.16	50	-0.215	
-0.75	-0.875	7.25	6.05	26.21	75	0.465	
-0.5	-0.625	11.48	9.58	35.79	84	0.830	
-0.25	-0.375	10.44	8.71	44.51	95	1.710	
0	-0.125	10.31	8.61	53.11	99	2.540	
0.25	0.125	12.83	10.71	63.82			
0.5	0.375	10.80	9.02	72.84			
0.75	0.625	7.28	6.08	78.91			
1	0.875	7.34	6.13	85.04			
1.25	1.125	4.34	3.62	88.66			
1.5	1.375	3.64	3.04	91.70			
1.75	1.625	2.97	2.48	94.18			
2	1.875	2.84	2.37	96.55			
2.25	2.125	1.67	1.39	97.95			
2.5	2.375	0.98	0.82	98.77			
2.75	2.625	0.87	0.73	99.50			
3	2.875	0.45	0.38	99.82			
3.25	3.125	0.22	0.18	99.80			
3.5	3.375	0.20	0.17	99.97			
3.75	3.625	0.01	0.01	99.97			
4	3.875	0.00	0.00	99.97			
>4.0	4.25	0.03	0.03	100.00			

Percentiles	Inman 1952	Folk & Ward 1957
Mean	-0.325	-0.288
Standard Deviation	1.155	1.209
Skewness (1)	-0.095	-0.086
Skewness (2)	-0.139	
Kurtosis	0.805	1.208



Project 2452  
Location Edisto Beach, SC

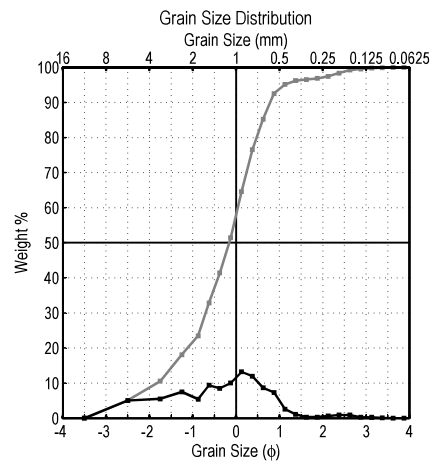
Date Sep 2016  
Station EB-113  
Sample COMP

Mean 0.779 mm  
STD 0.531 mm  
Skewness 0.366

USCS Wentworth

SP Coarse Sand  
Moderately Sorted  
Poorly Graded Symmetrical  
Mesokurtic

Total weight (gram) 118.16  
% finer than 0.0625 mm 0.02  
% coarser than 2.00 mm 7.74  
CaCO3 26.6



Project 2452  
Location Edisto Beach, SC

Date Sep 2016  
Station EB-114  
Sample COMP

Mean 1.110 mm  
STD 0.488 mm  
Skewness -0.023

USCS Wentworth

SP Very Coarse Sand  
Medium Sand Poorly Sorted  
Poorly Graded Symmetrical  
Leptokurtic

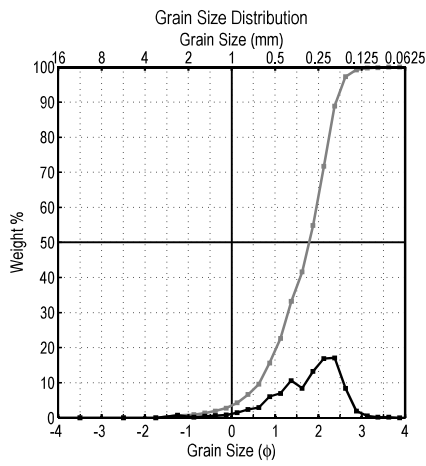
Total weight (gram) 116.88  
% finer than 0.0625 mm 0.07  
% coarser than 2.00 mm 18.06  
CaCO3 48.9

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-1.685	
-3	-3.5	0.00	0.00	0.00	5	-1.425	
-2	-2.5	0.00	0.00	0.00	16	-0.670	
-1.5	-1.75	0.00	0.00	0.00	25	-0.365	
-1	-1.25	9.15	7.74	7.74	50	0.200	
-0.75	-0.875	3.68	3.11	10.86	75	0.775	
-0.5	-0.625	7.50	6.35	17.21	84	1.075	
-0.25	-0.375	8.83	7.47	24.68	95	1.980	
0	-0.125	10.66	9.02	33.70	99	2.565	
0.25	0.125	14.78	12.51	46.21			
0.5	0.375	14.93	12.64	58.84			
0.75	0.625	11.72	9.92	68.76			
1	0.875	12.36	10.46	79.22			
1.25	1.125	7.13	6.03	85.26			
1.5	1.375	5.89	4.98	90.24			
1.75	1.625	2.07	1.75	91.99			
2	1.875	2.51	2.12	94.12			
2.25	2.125	2.46	2.08	96.20			
2.5	2.375	2.20	1.86	98.06			
2.75	2.625	1.46	1.24	99.30			
3	2.875	0.44	0.37	99.67			
3.25	3.125	0.21	0.18	99.85			
3.5	3.375	0.09	0.08	99.92			
3.75	3.625	0.05	0.04	99.97			
4	3.875	0.02	0.02	99.98			
>4.0	4.25	0.02	0.02	100.00			

Percentiles	Inman 1952	Folk & Ward 1957
Mean	0.202	0.202
Standard Deviation	0.872	0.952
Skewness (1)	0.003	0.024
Skewness (2)	0.089	
Kurtosis	0.951	1.224

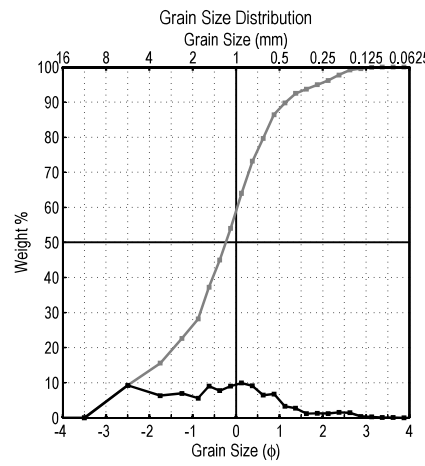
Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.300	
-3	-3.5	0.00	0.00	0.00	5	-2.510	
-2	-2.5	5.89	5.04	5.04	16	-1.390	
-1.5	-1.75	6.46	5.53	10.57	25	-0.835	
-1	-1.25	8.76	7.49	18.06	50	-0.160	
-0.75	-0.875	6.34	5.42	23.49	75	0.340	
-0.5	-0.625	10.98	9.38	32.86	84	0.590	
-0.25	-0.375	9.96	8.52	41.38	95	1.115	
0	-0.125	11.71	10.02	51.40	99	2.560	
0.25	0.125	15.42	13.19	64.60			
0.5	0.375	14.00	11.98	76.57			
0.75	0.625	10.09	8.63	85.21			
1	0.875	8.55	7.32	92.52			
1.25	1.125	3.01	2.58	95.10			
1.5	1.375	1.29	1.10	96.20			
1.75	1.625	0.36	0.31	96.51			
2	1.875	0.39	0.33	96.84			
2.25	2.125	0.71	0.61	97.45			
2.5	2.375	1.06	0.91	98.36			
2.75	2.625	1.01	0.86	99.22			
3	2.875	0.35	0.30	99.52			
3.25	3.125	0.29	0.25	99.77			
3.5	3.375	0.12	0.10	99.87			
3.75	3.625	0.05	0.04	99.91			
4	3.875	0.02	0.02	99.93			
>4.0	4.25	0.08	0.07	100.00			

Percentiles	Inman 1952	Folk & Ward 1957
Mean	-0.400	-0.320
Standard Deviation	0.990	1.044
Skewness (1)	-0.242	-0.269
Skewness (2)	-0.543	
Kurtosis	0.831	1.264



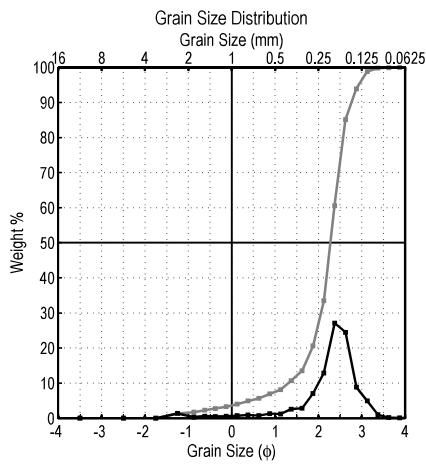
**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-115  
**Sample** COMP  
**Mean** 0.299 mm  
**STD** 0.592 mm  
**Skewness** -1.036  
**USCS** Wentworth  
 SP Medium Sand  
 Fine Sand Moderately Sorted  
 Poorly Graded Coarse Skewed  
 Leptokurtic  
 Total weight (gram) 115.32  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 0.69  
 CaCO3 8.0

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-0.815	
-3	-3.5	0.00	0.00	0.00	5	0.205	
-2	-2.5	0.00	0.00	0.00	16	0.890	
-1.5	-1.75	0.00	0.00	0.00	25	1.180	
-1	-1.25	0.80	0.69	0.69	50	1.785	
-0.75	-0.875	0.23	0.20	0.89	75	2.175	
-0.5	-0.625	0.52	0.45	1.34	84	2.305	
-0.25	-0.375	0.70	0.61	1.95	95	2.560	
0	-0.125	0.93	0.81	2.76	99	2.855	
0.25	0.125	1.72	1.49	4.25	<b>Graphic Phi Parameters</b>		
0.5	0.375	2.76	2.39	6.64	<b>Inman</b>	<b>Folk &amp; Ward</b>	
0.75	0.625	3.37	2.92	9.56	1952	1957	
1	0.875	6.99	6.06	15.63	Mean	1.597	1.660
1.25	1.125	8.03	6.96	22.59	Standard Deviation	0.707	0.711
1.5	1.375	12.22	10.60	33.19	Skewness (1)	-0.265	-0.303
1.75	1.625	9.71	8.42	41.61	Skewness (2)	-0.569	
2	1.875	15.24	13.22	54.82	Kurtosis	0.664	0.970
2.25	2.125	19.49	16.90	71.72			
2.5	2.375	19.74	17.09	88.81			
2.75	2.625	9.66	8.38	97.19			
3	2.875	2.26	1.96	99.15			
3.25	3.125	0.61	0.53	99.68			
3.5	3.375	0.17	0.15	99.83			
3.75	3.625	0.16	0.14	99.97			
4	3.875	0.02	0.02	99.98			
>4.0	4.25	0.02	0.02	100.00			



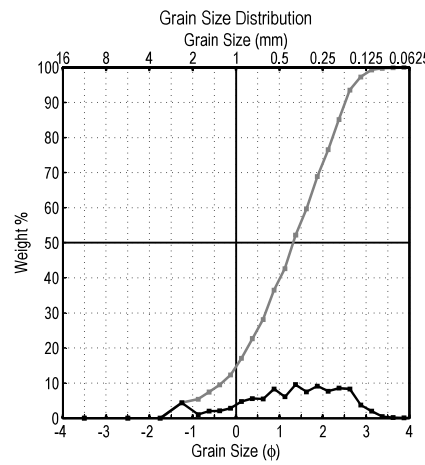
**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-116  
**Sample** COMP  
**Mean** 1.136 mm  
**STD** 0.425 mm  
**Skewness** 0.010  
**USCS** Wentworth  
 SP Very Coarse Sand  
 Medium Sand Poorly Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic  
 Total weight (gram) 116.55  
 % finer than 0.0625 mm 0.01  
 % coarser than 2.00 mm 22.58  
 CaCO3 24.2

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-3.390	
-3	-3.5	0.00	0.00	0.00	5	-2.960	
-2	-2.5	10.78	9.25	9.25	16	-1.720	
-1.5	-1.75	7.40	6.35	15.60	25	-1.090	
-1	-1.25	8.14	6.98	22.58	50	-0.235	
-0.75	-0.875	6.52	5.59	28.18	75	0.445	
-0.5	-0.625	10.57	9.07	37.25	84	0.785	
-0.25	-0.375	9.03	7.75	44.99	95	1.890	
0	-0.125	10.52	9.03	54.02	99	2.600	
0.25	0.125	11.60	9.95	63.97	<b>Graphic Phi Parameters</b>		
0.5	0.375	10.67	9.15	73.13	<b>Inman</b>	<b>Folk &amp; Ward</b>	
0.75	0.625	7.54	6.47	79.60	1952	1957	
1	0.875	7.91	6.79	86.38	Mean	-0.467	-0.390
1.25	1.125	3.90	3.35	89.73	Standard Deviation	1.252	1.361
1.5	1.375	3.22	2.76	92.49	Skewness (1)	-0.186	-0.155
1.75	1.625	1.37	1.18	93.67	Skewness (2)	-0.240	
2	1.875	1.48	1.27	94.94	Kurtosis	0.936	1.295
2.25	2.125	1.41	1.21	96.15			
2.5	2.375	1.93	1.57	97.72			
2.75	2.625	1.86	1.42	99.14			
3	2.875	0.50	0.43	99.57			
3.25	3.125	0.33	0.28	99.85			
3.5	3.375	0.09	0.08	99.93			
3.75	3.625	0.06	0.05	99.98			
4	3.875	0.01	0.01	99.99			
>4.0	4.25	0.01	0.01	100.00			



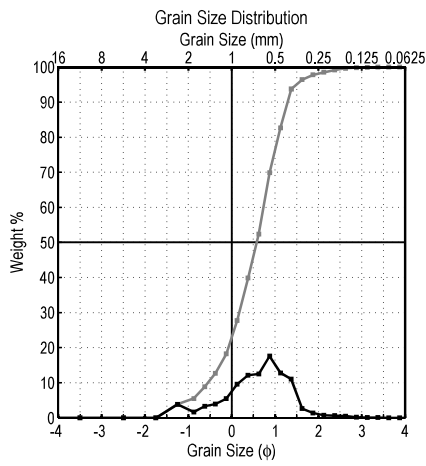
**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-117  
**Sample** COMP  
**Mean** 0.213 mm  
**STD** 0.583 mm  
**Skewness** -2.325  
**USCS** Wentworth  
 SP Fine Sand  
 Fine Sand Moderately Sorted  
 Poorly Graded Strongly Coarse Skewed  
 Very Leptokurtic  
 Total weight (gram) 117.09  
 % finer than 0.0625 mm 0.03  
 % coarser than 2.00 mm 1.36  
 CaCO3 27.4

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-1.380	
-3	-3.5	0.00	0.00	0.00	5	0.405	
-2	-2.5	0.00	0.00	0.00	16	1.710	
-1.5	-1.75	0.00	0.00	0.00	25	1.960	
-1	-1.25	1.59	1.36	1.36	50	2.275	
-0.75	-0.875	0.38	0.32	1.68	75	2.520	
-0.5	-0.625	0.67	0.57	2.25	84	2.615	
-0.25	-0.375	0.60	0.51	2.77	95	2.930	
0	-0.125	0.62	0.53	3.30	99	3.180	
0.25	0.125	0.83	0.71	4.01	<b>Graphic Phi Parameters</b>		
0.5	0.375	1.06	0.91	4.91	<b>Inman</b>	<b>Folk &amp; Ward</b>	
0.75	0.625	0.87	0.74	5.65	1952	1957	
1	0.875	1.47	1.26	6.91	Mean	2.163	2.200
1.25	1.125	1.40	1.20	8.10	Standard Deviation	0.453	0.609
1.5	1.375	3.04	2.60	10.70	Skewness (1)	-0.249	-0.365
1.75	1.625	3.33	2.84	13.55	Skewness (2)	-1.343	
2	1.875	8.26	7.05	20.80	Kurtosis	1.790	1.848
2.25	2.125	15.11	12.90	33.50			
2.5	2.375	31.74	27.11	60.61			
2.75	2.625	28.65	24.47	85.08			
3	2.875	10.30	8.80	93.88			
3.25	3.125	5.75	4.91	98.79			
3.5	3.375	1.14	0.97	99.76			
3.75	3.625	0.16	0.14	99.90			
4	3.875	0.08	0.07	99.97			
>4.0	4.25	0.04	0.03	100.00			



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-118  
**Sample** COMP  
**Mean** 0.399 mm  
**STD** 0.466 mm  
**Skewness** -0.500  
**USCS** Wentworth  
 SP Medium Sand  
 Fine Sand Poorly Sorted  
 Poorly Graded Coarse Skewed  
 Mesokurtic  
 Total weight (gram) 116.46  
 % finer than 0.0625 mm 0.08  
 % coarser than 2.00 mm 4.38  
 CaCO3 23.5

Class Limits	Mid Point (e)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures (phi) (mm)	
-4	-4.5	0.00	0.00	0.00	1	-1.635	
-3	-3.5	0.00	0.00	0.00	5	-1.030	
-2	-2.5	0.00	0.00	0.00	16	0.070	
-1.5	-1.75	0.00	0.00	0.00	25	0.480	
-1	-1.25	5.10	4.38	4.38	50	1.320	
-0.75	-0.875	1.23	1.06	5.44	75	2.075	
-0.5	-0.625	2.34	2.01	7.44	84	2.340	
-0.25	-0.375	2.40	2.06	9.51	95	2.725	
0	-0.125	3.30	2.83	12.34	99	3.090	
0.25	0.125	5.52	4.74	17.08	<b>Graphic Phi Parameters</b>		
0.5	0.375	6.52	5.60	22.68	<b>Inman</b>	<b>Folk &amp; Ward</b>	
0.75	0.625	6.36	5.46	28.14	1952	1957	
1	0.875	9.73	8.35	36.49	Mean	1.205	1.243
1.25	1.125	7.13	6.12	42.62	Standard Deviation	1.135	1.136
1.5	1.375	11.13	9.56	52.17	Skewness (1)	-0.101	-0.176
1.75	1.625	8.76	7.52	59.69	Skewness (2)	-0.416	
2	1.875	10.69	9.18	68.87	Kurtosis	0.654	0.965
2.25	2.125	8.97	7.70	76.58			
2.5	2.375	9.99	8.58	85.15			
2.75	2.625	9.74	8.36	93.52			
3	2.875	4.35	3.74	97.25			
3.25	3.125	2.35	2.02	99.27			
3.5	3.375	0.51	0.44	99.71			
3.75	3.625	0.18	0.15	99.86			
4	3.875	0.07	0.06	99.92			
>4.0	4.25	0.09	0.08	100.00			



**Project** 2452  
**Location** Edisto Beach, SC  
**Date** Sep 2016  
**Station** EB-119  
**Sample** COMP  
**Mean** 0.657 mm  
**STD** 0.596 mm  
**Skewness** -0.318  
**USCS** Wentworth  
 SP Coarse Sand  
 Medium Sand Moderately Sorted  
 Poorly Graded Symmetrical  
 Mesokurtic  
 Total weight (gram) 123.14  
 % finer than 0.0625 mm 0.02  
 % coarser than 2.00 mm 3.85  
 CaCO3 27.1

Class Limits	Mid Point (phi)	Weight (gram)	Weight %	Cumm. Wt %	Percentiles	Moment Measures	(phi)	(mm)
-4	-4.5	0.00	0.00	0.00	1	Mean	0.605	0.657
-3	-3.5	0.00	0.00	0.00	5	Standard Deviation	0.748	0.596
-2	-2.5	0.00	0.00	0.00	16	Skewness	-0.318	
-1.5	-1.75	0.00	0.00	0.00	25	Kurtosis	3.684	
-1	-1.25	4.74	3.85	3.85	50	Dispersion		
-0.75	-0.875	2.05	1.66	5.51	75	Standard Deviation		
-0.5	-0.625	4.04	3.28	8.79	84	Deviation from Normal		
-0.25	-0.375	4.83	3.92	12.72				
0	-0.125	6.74	5.47	18.19				
0.25	0.125	11.74	9.53	27.72				
0.5	0.375	14.90	12.10	39.82				
0.75	0.625	15.37	12.48	52.31				
1	0.875	21.63	17.57	69.87				
1.25	1.125	15.75	12.79	82.66				
1.5	1.375	13.61	11.05	93.71				
1.75	1.625	3.25	2.64	96.35				
2	1.875	1.71	1.39	97.74				
2.25	2.125	0.92	0.75	98.49				
2.5	2.375	0.78	0.63	99.12				
2.75	2.625	0.61	0.50	99.62				
3	2.875	0.24	0.19	99.81				
3.25	3.125	0.10	0.08	99.89				
3.5	3.375	0.06	0.05	99.94				
3.75	3.625	0.03	0.02	99.97				
4	3.875	0.01	0.01	99.98				
>4.0	4.25	0.03	0.02	100.00				

Graphic Phi Parameters	Inman 1952	Folk & Ward 1957
Mean	0.465	0.503
Standard Deviation	0.690	0.722
Skewness (1)	-0.167	-0.215
Skewness (2)	-0.475	
Kurtosis	0.801	1.107