Supplemental Material A

Sample data sheets

The sample data sheets are organized with the data sheets for vibracores (C1 - C18) first followed by the push core (PC1), pulse augers (PA1 - PA8), trenches (T1 - T5), and augers (A1 - A9).

Vibracore C1

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-006
Sampling Date: 9/17/10
Analysis Date: 8/28/12

Container wt.: 6.152
Total wt.: 17.470
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.614	49.622			
18	1	0.00	46.455	46.543			
20	0.85	0.25	43.333	43.348			
25	0.71	0.50	45.768	45.787			
30	0.6	0.75	43.263	43.270			
35	0.5	1.00	41.641	41.655			
40	0.43	1.25	39.716	39.730			
45	0.36	1.50	39.034	39.066			
50	0.3	1.75	39.150	39.227			
60	0.25	2.00	38.384	38.754		✓	
70	0.21	2.25	37.733	39.142		✓	✓
80	0.18	2.50	36.531	39.070		✓	✓
100	0.15	2.75	34.418	36.918		✓	✓
120	0.13	3.00	35.497	37.849			✓
140	0.11	3.25	34.821	36.092			✓
170	0.09	3.50	34.366	34.646			✓
200	0.08	3.75	33.123	33.221			✓
230	0.06	4.00	32.858	32.965			
Fines	<0.06	> 4	122.824	122.920			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-016 Container wt.: 6.157
Sampling Date: 9/17/12 Total wt.: 17.911
Analysis Date: 8/28/12 Sample wt.: _____

Observations: SLIGHTLY WX GASTROPOD SHELL

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.613	49.682			
18	1	0.00	46.454	46.500			
20	0.85	0.25	43332	43 336			
25	0.71	0.50	45.768	45.773			
30	0.6	0.75	43.259	43 263			
35	0.5	1.00	41.637	41.644			
40	0.43	1.25	39.713	39.724			
45	0.36	1.50	39.030	39.053			
50	0.3	1.75	39.145	39.210			
60	0.25	2.00	38.386	38.699			
70	0.21	2.25	37.726	39.034		✓	
80	0.18	2.50	36.526	39.151		✓	✓
100	0.15	2.75	34.412	36.931			✓
120	0.13	3.00	35.483	38.241			✓
140	0.11	3.25	34.813	36.194			✓
170	0.09	3.50	34.360	34.698			✓✓
200	0.08	3.75	33.122	33.224			✓✓
230	0.06	4.00	32.887	32.955			✓✓
Fines	<0.06	> 4	122.821	122.895			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-014
Sampling Date: 9/17/10
Analysis Date: 8/28/12

Container wt.: 6.156
Total wt.: 21.032
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.616	49.700			
18	1	0.00	46.451	46.513			
20	0.85	0.25	43.330	43.346			
25	0.71	0.50	45.764	45.783			
30	0.6	0.75	43.260	43.274			
35	0.5	1.00	41.636	41.652			
40	0.43	1.25	39.714	39.735			
45	0.36	1.50	39.030	39.079			
50	0.3	1.75	39.142	39.251			
60	0.25	2.00	38.383	38.860		✓	
70	0.21	2.25	37.727	39.588		✓	✓
80	0.18	2.50	36.547	40.199		✓	✓
100	0.15	2.75	34.404	37.685		✓	✓
120	0.13	3.00	35.504	38.505			✓
140	0.11	3.25	34.811	36.282			✓✓
170	0.09	3.50	34.360	34.731			✓✓
200	0.08	3.75	33.120	33.242			✓✓
230	0.06	4.00	32.886	32.971			✓✓
Fines	<0.06	> 4	122.824	122.934			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-018
Sampling Date: 9/17/10
Analysis Date: 8/28/12

Container wt.: 6.156
Total wt.: 21.324
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.607	49.615			
18	1	0.00	46.451	46.482			
20	0.85	0.25	43.330	43.335			
25	0.71	0.50	45.762	45.780			
30	0.6	0.75	43.256	43.262			
35	0.5	1.00	41.635	41.643			
40	0.43	1.25	39.711	39.724			
45	0.36	1.50	39.031	39.283			
50	0.3	1.75	39.141	39.205			
60	0.25	2.00	38.415	38.718		✓	
70	0.21	2.25	37.734	39.217		✓	✓
80	0.18	2.50	36.521	39.917		✓	✓
100	0.15	2.75	34.405	37.457		✓	✓
120	0.13	3.00	35.505	39.059			✓
140	0.11	3.25	34.814	36.719			✓
170	0.09	3.50	34.357	34.810			✓✓
200	0.08	3.75	33.120	33.249			✓✓
230	0.06	4.00	32.883	32.960			
Fines	<0.06	> 4	122.823	122.902			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-0022
Sampling Date: 9/17/10
Analysis Date: 8/28/12

Container wt.: 6.156
Total wt.: 20.260
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.609	49.607			
18	1	0.00	46.449	46.454			
20	0.85	0.25	43.328	43.327			
25	0.71	0.50	45.763	45.765			
30	0.6	0.75	43.255	43.261			
35	0.5	1.00	41.634	41.638			
40	0.43	1.25	39.710	39.716			
45	0.36	1.50	39.256	39.275			
50	0.3	1.75	39.147	39.187			
60	0.25	2.00	38.369	38.615		✓	
70	0.21	2.25	37.732	38.891		✓	
80	0.18	2.50	36.530	39.556		✓	✓
100	0.15	2.75	34.405	37.806		✓	✓
120	0.13	3.00	35.497	39.047			✓
140	0.11	3.25	34.814	36.741			✓
170	0.09	3.50	34.358	34.778			✓
200	0.08	3.75	33.119	33.234			✓✓
230	0.06	4.00	32.885	32.950			✓✓
Fines	<0.06	> 4	122.322	122.885			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-026
Sampling Date: 9/17/10
Analysis Date: 8/28/12

Container wt.: 6.155
Total wt.: 20.242
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.605	49.606			
18	1	0.00	46.448	46.460			
20	0.85	0.25	43.326	43.328			
25	0.71	0.50	45.760	45.762			
30	0.6	0.75	43.254	43.266			
35	0.5	1.00	41.632	41.644			
40	0.43	1.25	39.709	39.718			
45	0.36	1.50	39.256	39.272			
50	0.3	1.75	39.139	39.166			
60	0.25	2.00	38.369	38.487		✓	
70	0.21	2.25	37.731	38.321		✓	✓
80	0.18	2.50	36.550	38.624		✓	✓
100	0.15	2.75	34.409	37.884			✓
120	0.13	3.00	35.511	37.796			✓
140	0.11	3.25	34.818	37.313			✓
170	0.09	3.50	34.353	34.899			✓
200	0.08	3.75	33.118	33.291			
230	0.06	4.00	32.864	32.991			
Fines	<0.06	> 4	122.834	122.901			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-030
Sampling Date: 9/17/10
Analysis Date: 8/28/12

Container wt.: 6.154
Total wt.: 18.252
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.600	49.596			
18	1	0.00	46.445	46.445			
20	0.85	0.25	43.322	43.323			
25	0.71	0.50	45.757	45.758			
30	0.6	0.75	43.254	43.254			
35	0.5	1.00	41.631	41.635			
40	0.43	1.25	39.708	39.709			
45	0.36	1.50	39.255	39.262			
50	0.3	1.75	39.139	39.153		✓	
60	0.25	2.00	38.367	38.398		✓	
70	0.21	2.25	37.731	37.918		✓	
80	0.18	2.50	36.534	37.702		✓	✓
100	0.15	2.75	34.405	37.362			✓
120	0.13	3.00	35.492	40.137			✓
140	0.11	3.25	34.814	37.090			
170	0.09	3.50	34.357	34.817			
200	0.08	3.75	33.114	33.236			
230	0.06	4.00	32.883	32.958			
Fines	<0.06	> 4	122.824	122.898			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-034
Sampling Date: 9/17/10
Analysis Date: 8/28/12

Container wt.: 6.157
Total wt.: 19.359
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.599	49.601			
18	1	0.00	46.442	46.452			
20	0.85	0.25	43.319	43.322			
25	0.71	0.50	45.754	45.759			
30	0.6	0.75	43.253	43.258			
35	0.5	1.00	41.629	41.634			
40	0.43	1.25	39.706	39.714			
45	0.36	1.50	39.255	39.266			
50	0.3	1.75	39.136	39.150		✓	
60	0.25	2.00	38.364	38.382		✓	
70	0.21	2.25	37.726	37.812		✓	
80	0.18	2.50	36.512	37.059		✓	✓
100	0.15	2.75	34.412	36.936		–	✓
120	0.13	3.00	34.497	41.022			✓
140	0.11	3.25	34.817	37.059			✓
170	0.09	3.50	34.356	35.072			✓
200	0.08	3.75	33.118	33.331			✓
230	0.06	4.00	32.882	33.010			✓
Fines	<0.06	> 4	122.824	122.927			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-038
Sampling Date: 9/17/10
Analysis Date: 1/5/13

Container wt.: 6.157
Total wt.: 20.439
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.597	49.656			
18	1	0.00	46.444	46.734			
20	0.85	0.25	43.320	43.371			
25	0.71	0.50	45.756	45.801			
30	0.6	0.75	43.251	43.278			
35	0.5	1.00	41.629	41.672			
40	0.43	1.25	39.706	39.736			
45	0.36	1.50	39.253	39.295			
50	0.3	1.75	39.136	39.181			
60	0.25	2.00	38.348	38.403			
70	0.21	2.25	37.726	37.797			
80	0.18	2.50	36.508	36.739			
100	0.15	2.75	34.411	35.750			
120	0.13	3.00	35.496	39.795			
140	0.11	3.25	34.831	38.839			
170	0.09	3.50	34.354	36.001			
200	0.08	3.75	33.115	33.794			
230	0.06	4.00	32.883	33.539			
270	0.05	4.25	32.952	33.214			
325	0.05	4.50	32.872	32.993			
400	0.04	4.75	33.034	33.098			
450	0.03	5.00	32.698	32.750			
Fines	<0.03	> 5	122.828	122.893			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-042
Sampling Date: 9/17/10
Analysis Date: 1/5/13

Container wt.: 6.157
Total wt.: 20.127
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.600	49.601			
18	1	0.00	46.646	46.559			
20	0.85	0.25	43.322	43.341			
25	0.71	0.50	45.759	45.784			
30	0.6	0.75	43.252	43.266			
35	0.5	1.00	41.628	41.649			
40	0.43	1.25	39.705	39.724			
45	0.36	1.50	39.255	39.276			
50	0.3	1.75	39.137	39.166			
60	0.25	2.00	38.348	38.391			
70	0.21	2.25	37.723	37.801			
80	0.18	2.50	36.504	36.838			
100	0.15	2.75	34.413	36.203			
120	0.13	3.00	35.494	~~3~~40.675			
140	0.11	3.25	34.831	38.224			
170	0.09	3.50	34.368	35.583			
200	0.08	3.75	33.119	33.611			
230	0.06	4.00	32.882	33.373			
270	0.05	4.25	32.952	33.203			
325	0.05	4.50	32.872	32.987			
400	0.04	4.75	33.034	33.102			
450	0.03	5.00	32.698	32.762			
Fines	<0.03	> 5	122.825	122.904			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-046
Sampling Date: 9/17/10
Analysis Date: 9/8/12

Container wt.: 6.159
Total wt.: 20.669
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.446	46.969			
20	0.85	0.25	43335	43.387			
25	0.71	0.50	45.775	45.849			
30	0.6	0.75	43.277	43.320			
35	0.5	1.00	41.631	41.679			
40	0.43	1.25	39.716	39.750		✓	
45	0.36	1.50	39.272	39.313		✓	
50	0.3	1.75	39.141	39.190		✓	
60	0.25	2.00	38.368	38.460		✓	
70	0.21	2.25	37.736	37.932		✓	
80	0.18	2.50	36.527	36.996		✓	
100	0.15	2.75	34.435	36.044		✓	✓
120	0.13	3.00	35.576	40.003			✓
140	0.11	3.25	34.905	38.669			✓
170	0.09	3.50	34.419	35.543			✓
200	0.08	3.75	33.166	33.678			✓
230	0.06	4.00	32.895	33.449			✓
270	0.05	4.25	32.964	33.247			
325	0.05	4.50	32.882	33.112			
400	0.04	4.75	33.052	33.234			
450	0.03	5.00	32.694	32.767			
Fines	<0.03	> 5	122.829	122.886			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-050
Sampling Date: 9/18/10
Analysis Date: 9/10/12

Container wt.: 6.158
Total wt.: 21.130
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.433	46.892			
20	0.85	0.25	43.323	43.453			
25	0.71	0.50	45.765	45.942			
30	0.6	0.75	43.264	43.369			
35	0.5	1.00	41.618	41.732			
40	0.43	1.25	39.705	39.778		✓	
45	0.36	1.50	39.261	39.351		✓	
50	0.3	1.75	39.128	39.199		✓	
60	0.25	2.00	38.356	38.487		✓	
70	0.21	2.25	37.723	37.887		✓	
80	0.18	2.50	36.512	36.852		✓	✓
100	0.15	2.75	34.430	35.282		✓	✓
120	0.13	3.00	35.545	38.524			✓
140	0.11	3.25	34.896	38.431			✓
170	0.09	3.50	34.406	36.216			✓
200	0.08	3.75	33.155	33.984			✓
230	0.06	4.00	32.884	34.076			
270	0.05	4.25	32.953	33.429			
325	0.05	4.50	32.875	33.354			
400	0.04	4.75	33.043	33.506			
450	0.03	5.00	32.685	32.883			
Fines	<0.03	> 5	122.824	123.056			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-054
Sampling Date: 9/18/10
Analysis Date: 4/10/12

Container wt.: 6.159
Total wt.: 19.134
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.436	46.691			
20	0.85	0.25	43.324	43.390			
25	0.71	0.50	45.769	45.865			
30	0.6	0.75	43.266	43 346			
35	0.5	1.00	41.621	41.715			
40	0.43	1.25	39.705	39.776		✓	
45	0.36	1.50	39.266	39.348		✓	
50	0.3	1.75	39.116	39.204		✓	
60	0.25	2.00	38.369	38.471		✓	
70	0.21	2.25	37.726	37 850		✓	
80	0.18	2.50	36.513	36.723		✓	
100	0.15	2.75	34.431	35.022		✓	✓
120	0.13	3.00	35.564	37.759		✓	✓
140	0.11	3.25	34.921	37.712			✓
170	0.09	3.50	34.410	36.478			✓
200	0.08	3.75	33 148	33.952			
230	0.06	4.00	32.885	34.228			
270	0.05	4.25	32.960	33.475			
325	0.05	4.50	32.882	33.285			
400	0.04	4.75	33.055	33.507			
450	0.03	5.00	32.699	32.887			
Fines	<0.03	> 5	122.825	123.051			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-058
Sampling Date: 9/18/10
Analysis Date: 9/10/12

Container wt.: 6.160
Total wt.: 17.672
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.435	47.135			
20	0.85	0.25	43.325	43.513			
25	0.71	0.50	45.769	46.008			
30	0.6	0.75	43.268	43.483			
35	0.5	1.00	41.620	41.834		✓	
40	0.43	1.25	39.710	39.872		✓	
45	0.36	1.50	39.267	39.448		✓	
50	0.3	1.75	39.121	39.292		✓	
60	0.25	2.00	38.371	38.543		✓	✓
70	0.21	2.25	37.724	37.905		✓	✓
80	0.18	2.50	36.513	36.760		✓	✓
100	0.15	2.75	34.437	34.957		✓	✓
120	0.13	3.00	35.570	36.968		✓	✓
140	0.11	3.25	34.908	36.787			✓
170	0.09	3.50	34.412	35.574			✓
200	0.08	3.75	33.151	33.772			✓
230	0.06	4.00	32.888	34.040			
270	0.05	4.25	32.957	33.492			
325	0.05	4.50	32.886	33.357			
400	0.04	4.75	33.058	33.551			
450	0.03	5.00	32.702	32.948			
Fines	<0.03	> 5	122.823	123.158			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-062
Sampling Date: 9/18/10
Analysis Date: 9/10/12

Container wt.: 6.158
Total wt.: 20.782
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.441	46.695			
20	0.85	0.25	43.330	43.431			
25	0.71	0.50	45.778	45.908			
30	0.6	0.75	43.272	43.410		✓	
35	0.5	1.00	41.623	41.772		✓	
40	0.43	1.25	39.709	39.824		✓	
45	0.36	1.50	39.266	39.408		✓	
50	0.3	1.75	39.122	39.261		✓	
60	0.25	2.00	38.368	38.549		✓	
70	0.21	2.25	37.728	37.940		✓	
80	0.18	2.50	36.513	36.864		✓	✓
100	0.15	2.75	34.434	35.250		✓	✓
120	0.13	3.00	35.545	38.117			✓
140	0.11	3.25	34.927	38.102			✓
170	0.09	3.50	34.417	36.005			✓
200	0.08	3.75	33.156	34.038			
230	0.06	4.00	32.893	34.074			
270	0.05	4.25	32.957	33.515			
325	0.05	4.50	32.880	33.450			
400	0.04	4.75	33.052	33.659			
450	0.03	5.00	32.697	32.960			
Fines	<0.03	> 5	122.821	128.223			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-066
Sampling Date: 9/19/10
Analysis Date: 9/10/12

Container wt.: 6.159
Total wt.: 20.627
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.435	46.834			
20	0.85	0.25	43.327	43.485			
25	0.71	0.50	45.778	46.024			
30	0.6	0.75	43.271	43.493			
35	0.5	1.00	41.622	41.879			
40	0.43	1.25	39.708	39.912		✓	
45	0.36	1.50	39.264	39.500		✓	
50	0.3	1.75	39.123	39.367		✓	
60	0.25	2.00	38.365	38.632		✓	
70	0.21	2.25	37.728	38.029		✓	
80	0.18	2.50	36.510	37.016		✓	✓
100	0.15	2.75	34.479	35.266		✓	✓
120	0.13	3.00	35.542	36.843		✓	✓
140	0.11	3.25	34.907	36.069			✓
170	0.09	3.50	34.414	35.962			✓
200	0.08	3.75	33.148	34.487			✓
230	0.06	4.00	32.888	35.126			✓
270	0.05	4.25	32.958	33.678			
325	0.05	4.50	32.883	33.568			
400	0.04	4.75	33.068	33.762			
450	0.03	5.00	32.764	33.108			
Fines	<0.03	> 5	122.822	123.230			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-070
Sampling Date: 9/18/10
Analysis Date: 9/10/12

Container wt.: 6.159
Total wt.: 20.365
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.456	46.557			
20	0.85	0.25	43.339	43.374			
25	0.71	0.50	45.787	45.860			
30	0.6	0.75	43.285	43.339			
35	0.5	1.00	41.629	41.702		✓	
40	0.43	1.25	39.718	39.775		✓	
45	0.36	1.50	39.272	39.347		✓	
50	0.3	1.75	39.129	39.213		✓	
60	0.25	2.00	38.372	38.539		✓	
70	0.21	2.25	37.730	38.008		✓	
80	0.18	2.50	36.517	37.218		✓	✓
100	0.15	2.75	34.435	36.149		✓	✓
120	0.13	3.00	35.534	39.363			✓
140	0.11	3.25	34.925	38.045			✓
170	0.09	3.50	34.400	35.497			✓
200	0.08	3.75	33.149	33.789			✓
230	0.06	4.00	32.885	33.673			✓
270	0.05	4.25	32.961	33.286			
325	0.05	4.50	32.882	33.182			
400	0.04	4.75	33.061	33.341			
450	0.03	5.00	32.704	32.845			
Fines	<0.03	> 5	122.823	122.990			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-0704
Sampling Date: 9/17/10
Analysis Date: 9/10/12

Container wt.: 6.159
Total wt.: 20.111
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.444	46.583			
20	0.85	0.25	43.328	43.379			
25	0.71	0.50	45.717	45.867			
30	0.6	0.75	43.272	43.349			
35	0.5	1.00	41.624	41.734		✓	
40	0.43	1.25	39.708	39.797		✓	
45	0.36	1.50	39.265	39.393		✓	
50	0.3	1.75	39.121	39.293		✓	
60	0.25	2.00	38.367	38.691		✓	✓
70	0.21	2.25	37.725	38.142		✓	✓
80	0.18	2.50	36.509	37.117		✓	✓
100	0.15	2.75	34.431	35.711		✓	✓
120	0.13	3.00	35.542	38.725		✓	✓
140	0.11	3.25	34.907	38.228			✓
170	0.09	3.50	34.404	35.949			✓
200	0.08	3.75	33.145	33.850			✓
230	0.06	4.00	32.884	33.594			
270	0.05	4.25	32.959	33.190			
325	0.05	4.50	32.882	33.100			
400	0.04	4.75	33.059	33.268			
450	0.03	5.00	32.701	32.799			
Fines	<0.03	> 5	122.824	122.989			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-078
Sampling Date: 9/17/10
Analysis Date: 9/10/12

Container wt.: 6.159
Total wt.: 20.257
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.438	46.496			
20	0.85	0.25	43.325	43.348			
25	0.71	0.50	45.776	45.816			
30	0.6	0.75	43.270	43.314		✓	
35	0.5	1.00	41.623	41.695		✓	
40	0.43	1.25	39.706	39.760		✓	
45	0.36	1.50	39.264	39.343		✓	
50	0.3	1.75	39.118	39.215		✓	
60	0.25	2.00	38.364	38.545		✓	
70	0.21	2.25	37.725	38.034		✓	✓
80	0.18	2.50	36.511	37.174		✓	✓
100	0.15	2.75	34.428	36.021		✓	✓
120	0.13	3.00	35.541	39.217			✓
140	0.11	3.25	34.902	38.415			✓
170	0.09	3.50	34.408	35.945			✓
200	0.08	3.75	33.146	33.822			✓
230	0.06	4.00	32.883	33.537			
270	0.05	4.25	32.958	33.196			
325	0.05	4.50	32.882	33.080			
400	0.04	4.75	33.053	33.219			
450	0.03	5.00	32.696	32.764			
Fines	<0.03	> 5	122.824	122.928			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-082
Sampling Date: 9/17/12
Analysis Date: 9/10/12

Container wt.: 6.158
Total wt.: 19.896
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.436	46.561			
20	0.85	0.25	43.321	43.359			
25	0.71	0.50	45.711	45.839			
30	0.6	0.75	43.267	43.332			
35	0.5	1.00	41.618	41.720		✓	
40	0.43	1.25	39.765	39.786		✓	
45	0.36	1.50	39.268	39.377		✓	
50	0.3	1.75	39.118	39.239		✓	
60	0.25	2.00	38.365	38.538		✓	
70	0.21	2.25	37.723	37.922		✓	
80	0.18	2.50	36.511	36.782		✓	✓
100	0.15	2.75	34.444	35.041		✓	✓
120	0.13	3.00	35.541	37.481		✓	✓
140	0.11	3.25	34.905	38.542			✓
170	0.09	3.50	34.408	36.715			✓
200	0.08	3.75	33.147	34.298			
230	0.06	4.00	32.884	34.005			
270	0.05	4.25	32.958	33.404			
325	0.05	4.50	32.881	33.275			
400	0.04	4.75	33.049	33.426			
450	0.03	5.00	32.688	32.826			
Fines	<0.03	> 5	122.524	123.020			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-C86
Sampling Date: 9/17/10
Analysis Date: 9/10/12

Container wt.: 6.160
Total wt.: 20.479
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.434	46.467			
20	0.85	0.25	43.321	43.338			
25	0.71	0.50	45.766	45.795			
30	0.6	0.75	43.267	43.294			
35	0.5	1.00	41.616	41.650			
40	0.43	1.25	39.704	39.728		✓	
45	0.36	1.50	39.262	39.301		✓	
50	0.3	1.75	39.115	39.170		✓	
60	0.25	2.00	38.362	38.471		✓	
70	0.21	2.25	37.725	37.892		✓	
80	0.18	2.50	36.512	36.928		✓	
100	0.15	2.75	34.437	36.120		✓	✓
120	0.13	3.00	35.559	39.458			✓
140	0.11	3.25	34.912	38.751			✓
170	0.09	3.50	34.415	36.701			✓
200	0.08	3.75	33.150	33.920			✓
230	0.06	4.00	32.882	33.536			
270	0.05	4.25	32.955	33.180			
325	0.05	4.50	32.881	33.058			
400	0.04	4.75	33.055	33.196			
450	0.03	5.00	32.696	32.743			
Fines	<0.03	> 5	122.882	122.891			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-090
Sampling Date: 9/17/10
Analysis Date: 9/10/12

Container wt.: 6.159
Total wt.: 20.540
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.433	46.497			
20	0.85	0.25	43.320	43.331			
25	0.71	0.50	45.766	45.795			
30	0.6	0.75	43.264	43.296			
35	0.5	1.00	41.616	41.655		✓	
40	0.43	1.25	39.702	39.739		✓	
45	0.36	1.50	39.261	39.314		✓	
50	0.3	1.75	39.114	39.189		✓	
60	0.25	2.00	38.361	38.496		✓	✓
70	0.21	2.25	37.721	37.906		✓	✓
80	0.18	2.50	36.508	36.831		✓	✓
100	0.15	2.75	34.441	35.535		✓	✓
120	0.13	3.00	35.537	38.799			✓
140	0.11	3.25	34.895	39.658			✓
170	0.09	3.50	34.409	36.549			✓
200	0.08	3.75	33.150	34.081			✓
230	0.06	4.00	32.888	33.703			
270	0.05	4.25	32.954	33.748			
325	0.05	4.50	32.874	33.131			
400	0.04	4.75	33.052	33.262			
450	0.03	5.00	32.688	32.766			
Fines	<0.03	> 5	122.820	122.926			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-C94
Sampling Date: 9/12/12
Analysis Date: 9/10/12

Container wt.: 6.158
Total wt.: 20.263
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.438	46.446			
20	0.85	0.25	43.317	43.327			
25	0.71	0.50	45.765	45.783			
30	0.6	0.75	43.264	43.284			
35	0.5	1.00	41.614	41.650		✓	
40	0.43	1.25	39.704	39.732		✓	
45	0.36	1.50	39.257	39.307		✓	
50	0.3	1.75	39.113	39.168		✓	
60	0.25	2.00	38.360	38.439		✓	
70	0.21	2.25	37.717	37.824		✓	
80	0.18	2.50	36.506	36.734		✓	✓
100	0.15	2.75	34.438	35.615		✓	✓
120	0.13	3.00	35.546	39.749			✓
140	0.11	3.25	34.900	39.808			✓
170	0.09	3.50	34.408	36.650			✓
200	0.08	3.75	33.149	33.801			✓
230	0.06	4.00	32.879	33.339			
270	0.05	4.25	32.956	33.081			
325	0.05	4.50	32.878	32.950			
400	0.04	4.75	33.052	33.105			
450	0.03	5.00	32.689	32.706			
Fines	<0.03	> 5	122.821	122.863			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-098
Sampling Date: 9/17/10
Analysis Date: 9/10/12

Container wt.: 6.159
Total wt.: 19.086
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.428	46.514			
20	0.85	0.25	43.316	43.342			
25	0.71	0.50	45.760	45.831			
30	0.6	0.75	43.260	43.320			
35	0.5	1.00	41.610	41.694		✓	
40	0.43	1.25	39.699	39.766		✓	
45	0.36	1.50	39.256	39.346		✓	
50	0.3	1.75	39.109	39.199		✓	
60	0.25	2.00	38.363	38.474		✓	
70	0.21	2.25	37.718	37.846		✓	
80	0.18	2.50	36.502	36.665		✓	✓
100	0.15	2.75	34.432	34.797		✓	✓
120	0.13	3.00	35.535	37.379			✓
140	0.11	3.25	34.905	39.543			✓
170	0.09	3.50	34.423	36.877			✓
200	0.08	3.75	33.158	34.098			✓
230	0.06	4.00	32.880	33.646			
270	0.05	4.25	32.951	33.256			
325	0.05	4.50	32.874	33.102			
400	0.04	4.75	33.043	33.233			
450	0.03	5.00	32.680	32.754			
Fines	<0.03	> 5	122.822	122.918			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-102
Sampling Date: 9/17/10
Analysis Date: 9/10/12

Container wt.: 6.160
Total wt.: 16.115
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.427	46.457			
20	0.85	0.25	43.318	43.331			
25	0.71	0.50	45.760	45.789			
30	0.6	0.75	43.259	43.287			
35	0.5	1.00	41.612	41.646			
40	0.43	1.25	39.700	39.731		✓	
45	0.36	1.50	39.256	39.299		✓	
50	0.3	1.75	39.112	39.152		✓	
60	0.25	2.00	38.397	38.413		✓	
70	0.21	2.25	37.715	37.773		✓	
80	0.18	2.50	36.503	36.582		✓	✓
100	0.15	2.75	34.437	34.669		✓	✓
120	0.13	3.00	35.538	36.852			✓
140	0.11	3.25	34.893	38.351			✓
170	0.09	3.50	34.422	36.614			✓
200	0.08	3.75	33.158	34.032			✓
230	0.06	4.00	32.882	33.540			
270	0.05	4.25	32.956	33.172			
325	0.05	4.50	32.873	33.045			
400	0.04	4.75	33.043	33.194			
450	0.03	5.00	32.680	32.748			
Fines	<0.03	> 5	122.822	122.912			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-0CC
Sampling Date: 9/17/10
Analysis Date: 9/10/12

Container wt.: 6.159
Total wt.: 19.199
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.427	46.526			
20	0.85	0.25	43.317	43.368			
25	0.71	0.50	45.759	45.842			
30	0.6	0.75	43.257	43 327			
35	0.5	1.00	41.610	41.710		✓	
40	0.43	1.25	39.698	39.787		✓	
45	0.36	1.50	39.259	39.373		✓	
50	0.3	1.75	39.110	39.234		✓	
60	0.25	2.00	38.355	38.517		✓	
70	0.21	2.25	37.715	37.875		✓	
80	0.18	2.50	36.500	36.685		✓	
100	0.15	2.75	34.433	34.792		✓	✓
120	0.13	3.00	35.540	36.821		✓	✓
140	0.11	3.25	34.899	37.626			✓
170	0.09	3.50	34.422	36.911			✓
200	0.08	3.75	33.150	34.549			✓
230	0.06	4.00	32.877	34.572			✓
270	0.05	4.25	32.954	33.510			
325	0.05	4.50	32.875	33.332			
400	0.04	4.75	33.047	33.456			
450	0.03	5.00	32.687	32.833			
Fines	<0.03	> 5	122.822	123.030			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-11C
Sampling Date: 9/17/10
Analysis Date: 9/11/12

Container wt.: 6.159
Total wt.: 18.637
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.404	46.533			
20	0.85	0.25	43.298	43.328			
25	0.71	0.50	45.735	45.769			
30	0.6	0.75	43.241	43.297			
35	0.5	1.00	41.601	41.650		✓	
40	0.43	1.25	39.681	39.722		✓	
45	0.36	1.50	39.239	39.305		✓	
50	0.3	1.75	39.082	39.190		✓	
60	0.25	2.00	38.266	38.338		✓	
70	0.21	2.25	37.649	37.748		✓	
80	0.18	2.50	36.437	36.563		✓	✓
100	0.15	2.75	34.364	34.787		✓	✓
120	0.13	3.00	35.461	37.504		✓	✓
140	0.11	3.25	34.790	39.236			✓
170	0.09	3.50	34.347	37.041			✓
200	0.08	3.75	33.107	33.914			✓
230	0.06	4.00	32.867	33.559			
270	0.05	4.25	32.932	33.184			
325	0.05	4.50	32.855	33.014			
400	0.04	4.75	33.017	33.169			
450	0.03	5.00	32.644	32.689			
Fines	<0.03	> 5	122.822	122.835			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-114
Sampling Date: 9/17/10
Analysis Date: 7/11/12

Container wt.: 6.159
Total wt.: 18.836
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.404	46.524			
20	0.85	0.25	43.299	43.356			
25	0.71	0.50	45.738	45.817			
30	0.6	0.75	43.262	43.319			
35	0.5	1.00	41.609	41.690		✓	
40	0.43	1.25	39.687	39.753		✓	
45	0.36	1.50	39.252	39.340		✓	
50	0.3	1.75	39.099	39.206		✓	
60	0.25	2.00	38.274	38.392		✓	
70	0.21	2.25	37.665	37.806		✓	
80	0.18	2.50	36.452	36.637		✓	✓
100	0.15	2.75	34.393	35.007		✓	✓
120	0.13	3.00	35.481	38.075			✓
140	0.11	3.25	34.822	38.407			✓
170	0.09	3.50	34.359	36.593			✓
200	0.08	3.75	33.115	33.864			✓
230	0.06	4.00	32.878	33.697			✓
270	0.05	4.25	32.939	33.247			
325	0.05	4.50	32.862	33.099			
400	0.04	4.75	33.021	33.198			
450	0.03	5.00	32.651	32.768			
Fines	<0.03	> 5	122.820	122.925			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-118
Sampling Date: 9/17/10
Analysis Date: 9/11/12

Container wt.: 6.182
Total wt.: 18.204
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.404	46.474			
20	0.85	0.25	43.301	43.339			
25	0.71	0.50	45.742	45.821			
30	0.6	0.75	43.265	43.327			
35	0.5	1.00	41.610	41.710		✓	
40	0.43	1.25	39.691	39.766		✓	
45	0.36	1.50	39.256	39.353		✓	
50	0.3	1.75	39.114	39.218		✓	
60	0.25	2.00	38.282	38.414		✓	
70	0.21	2.25	37.693	37.815		✓	
80	0.18	2.50	36.456	36.663		✓	✓
100	0.15	2.75	34.386	35.129		✓	✓
120	0.13	3.00	35.500	38.740			✓
140	0.11	3.25	34.830	38.478			✓
170	0.09	3.50	34.372	35.919			✓
200	0.08	3.75	33.117	33.751			✓
230	0.06	4.00	32.881	33.393			
270	0.05	4.25	32.946	33.110			
325	0.05	4.50	32.865	33.005			
400	0.04	4.75	33.029	33.133			
450	0.03	5.00	32.665	32.727			
Fines	<0.03	> 5	122.823	122.914			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-122
Sampling Date: 9/17/10
Analysis Date: 9/11/12

Container wt.: 6.158
Total wt.: 16.757
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.405	46.411			
20	0.85	0.25	43 303	43 318			
25	0.71	0.50	45.744	45.761			
30	0.6	0.75	43.264	43 300			
35	0.5	1.00	41.610	41.649		✓	
40	0.43	1.25	39.691	39.723		✓	
45	0.36	1.50	39.254	39.293		✓	
50	0.3	1.75	39.105	39.158		✓	
60	0.25	2.00	38.300	38.360		✓	
70	0.21	2.25	37.669	37.756		✓	
80	0.18	2.50	36.449	36.590		✓	✓
100	0.15	2.75	34.380	34.946		✓	✓
120	0.13	3.00	35.503	38.367			✓
140	0.11	3.25	34.838	38.600			✓
170	0.09	3.50	34.380	35.885			✓
200	0.08	3.75	33.117	33.612			✓
230	0.06	4.00	32.882	33.296			✓
270	0.05	4.25	32.946	33.104			
325	0.05	4.50	32.867	32.959			
400	0.04	4.75	33.031	33.095			
450	0.03	5.00	32.668	32.698			
Fines	<0.03	> 5	122.818	122.882			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-126
Sampling Date: 9/17/10
Analysis Date: 9/11/12

Container wt.: 6.160
Total wt.: 20.133
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.466	46.616			
20	0.85	0.25	43.304	43.366			
25	0.71	0.50	45.745	45.846			
30	0.6	0.75	43.265	43.354			
35	0.5	1.00	41.613	41.732		✓	
40	0.43	1.25	39.691	39.783		✓	
45	0.36	1.50	39.252	39.362		✓	
50	0.3	1.75	39.105	39.222		✓	
60	0.25	2.00	38.284	38.426		✓	✓
70	0.21	2.25	37.671	37.813		✓	✓
80	0.18	2.50	36.452	36.668		✓	✓
100	0.15	2.75	34.380	35.237		✓	✓
120	0.13	3.00	35.507	38.798			✓
140	0.11	3.25	34.849	38.644			✓
170	0.09	3.50	34.377	36.149			✓
200	0.08	3.75	33.117	33.829			✓
230	0.06	4.00	32.875	33.734			✓
270	0.05	4.25	32.942	33.249			
325	0.05	4.50	32.863	33.174			
400	0.04	4.75	33.039	33.265			
450	0.03	5.00	32.663	32.824			
Fines	<0.03	> 5	122.825	123.021			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-130
Sampling Date: 9/17/10
Analysis Date: 9/11/12

Container wt.: 6.160
Total wt.: 20.610
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.465	46.715			
20	0.85	0.25	43.304	43.425			
25	0.71	0.50	45.746	45.908			
30	0.6	0.75	43265	43.403			
35	0.5	1.00	41.614	41.784		✓	
40	0.43	1.25	39.694	39.828		✓	
45	0.36	1.50	39.253	39.413		✓	
50	0.3	1.75	39.108	39.269		✓	
60	0.25	2.00	38.295	38.486		✓	
70	0.21	2.25	37.675	37.863		✓	
80	0.18	2.50	36.456	36.767		✓	✓
100	0.15	2.75	34.383	34.962		✓	✓
120	0.13	3.00	35.487	37.394		✓	✓
140	0.11	3.25	34.840	37.864			✓
170	0.09	3.50	34.378	36.545			✓
200	0.08	3.75	33.115	34.161			✓
230	0.06	4.00	32.875	34.483			✓
270	0.05	4.25	32.948	33.522			
325	0.05	4.50	32.871	33.411			
400	0.04	4.75	33.033	33.140			
450	0.03	5.00	32.675	32.934			
Fines	<0.03	> 5	122.821	123.113			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-134
Sampling Date: 9/17/10
Analysis Date: 9/11/12

Container wt.: 6.160
Total wt.: 20.163
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.406	46.457			
20	0.85	0.25	43.306	43.337			
25	0.71	0.50	45.750	45.797			
30	0.6	0.75	43.262	43.318		✓	✓
35	0.5	1.00	41.612	41.699		✓	✓
40	0.43	1.25	39.700	39.771		✓	
45	0.36	1.50	39.254	39.370		✓	
50	0.3	1.75	39.100	39.238		✓	
60	0.25	2.00	38.301	38.470		✓	
70	0.21	2.25	37.679	37.870		✓	✓
80	0.18	2.50	36.457	36.729		✓	✓
100	0.15	2.75	34.384	35.277		✓	✓
120	0.13	3.00	35.494	39.061			✓
140	0.11	3.25	34.861	38.433			✓
170	0.09	3.50	34.382	36.129			✓
200	0.08	3.75	33.121	34.021			✓
230	0.06	4.00	32.879	33.540			
270	0.05	4.25	32.954	33.276			
325	0.05	4.50	32.873	33.190			
400	0.04	4.75	33.039	33.336			
450	0.03	5.00	32.685	32.876			
Fines	<0.03	> 5	122.824	123.070			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1 - 138
Sampling Date: 9/17/C
Analysis Date: 9/11/12

Container wt.: 6.162
Total wt.: 21.CCC
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.4C7	46.621			
20	0.85	0.25	43 3C9	43 336			
25	0.71	0.50	45.751	45.795			
30	0.6	0.75	43.264	43 296			
35	0.5	1.00	41.616	41.666		✓	
40	0.43	1.25	39.696	39.734		✓	
45	0.36	1.50	39.254	39.310		✓	
50	0.3	1.75	39.1C5	39.164		✓	
60	0.25	2.00	38.294	38.371		✓	
70	0.21	2.25	37.675	37.768		✓	
80	0.18	2.50	36.452	36.658		✓	✓
100	0.15	2.75	34.384	35.412		✓	✓
120	0.13	3.00	35.501	40.358			✓
140	0.11	3.25	34.857	39.288			✓
170	0.09	3.50	34.375	36.262			✓
200	0.08	3.75	33.117	33873			✓
230	0.06	4.00	32.877	33.459			
270	0.05	4.25	32.953	33.119			
325	0.05	4.50	32.872	32.981			
400	0.04	4.75	33.046	33.101			
450	0.03	5.00	32.682	32.707			
Fines	<0.03	> 5	122.823	122.854			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1→142
Sampling Date: 9/17/10
Analysis Date: 9/11/12

Container wt.: 6.157
Total wt.: 20.102
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.409	46.718			
20	0.85	0.25	43.308	43.350			
25	0.71	0.50	45.752	45.807			
30	0.6	0.75	43.261	43.314		✓	
35	0.5	1.00	41.612	41.682		✓	
40	0.43	1.25	39.695	39.752		✓	
45	0.36	1.50	39.249	39.335		✓	
50	0.3	1.75	39.101	39.187		✓	
60	0.25	2.00	38.296	38.411		✓	
70	0.21	2.25	37.661	37.811		✓	
80	0.18	2.50	36.451	36.707		✓	✓
100	0.15	2.75	34.386	35.457		✓	✓
120	0.13	3.00	35.914	39.695			✓
140	0.11	3.25	34.857	38.556			✓
170	0.09	3.50	34.384	36.118			✓
200	0.08	3.75	33.134	33.818			✓
230	0.06	4.00	32.873	33.514			
270	0.05	4.25	32.947	33.201			
325	0.05	4.50	32.868	33.030			
400	0.04	4.75	33.034	33.128			
450	0.03	5.00	32.673	32.707			
Fines	<0.03	> 5	122.824	122.874			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-146
Sampling Date: 9/17/10
Analysis Date: 9/11/12

Container wt.: 6.163
Total wt.: 19.296
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.408	46.523			
20	0.85	0.25	43.305	43.341			
25	0.71	0.50	45.750	45.802			
30	0.6	0.75	43.262	43.314			
35	0.5	1.00	41.609	41.676		✓	
40	0.43	1.25	39.694	39.757		✓	
45	0.36	1.50	39.249	39.322		✓	
50	0.3	1.75	39.100	39.179		✓	
60	0.25	2.00	38.297	38.395		✓	
70	0.21	2.25	37.671	37.791		✓	
80	0.18	2.50	36.450	36.663		✓	✓
100	0.15	2.75	34.396	35.281		✓	✓
120	0.13	3.00	35.528	38.774			✓
140	0.11	3.25	34.856	38.410			✓
170	0.09	3.50	34.388	35.995			✓
200	0.08	3.75	33.122	33.908			
230	0.06	4.00	32.871	33.718			
270	0.05	4.25	32.952	33.280			
325	0.05	4.50	32.868	33.154			
400	0.04	4.75	33.032	33.272			
450	0.03	5.00	32.671	32.799			
Fines	<0.03	> 5	122.824	123.014			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-150
Sampling Date: 9/18/10
Analysis Date: 9/11/12

Container wt.: 6.160
Total wt.: 19.932
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.407	46.462			
20	0.85	0.25	43.307	43 ~~3~~ 329			
25	0.71	0.50	45.750	45.787			
30	0.6	0.75	43.262	43.296		✓	
35	0.5	1.00	41.609	41.654		✓	
40	0.43	1.25	39.694	39.725		✓	
45	0.36	1.50	39.250	39.294		✓	
50	0.3	1.75	39.094	39.149		✓	
60	0.25	2.00	38.244	38.370		✓	
70	0.21	2.25	37.671	37.756		✓	
80	0.18	2.50	36.455	36.622		✓	✓
100	0.15	2.75	34.386	35.241		✓	✓
120	0.13	3.00	35.518	39.146			✓
140	0.11	3.25	34.856	39.206			✓
170	0.09	3.50	34.391	36.334			✓
200	0.08	3.75	33.123	33.953			
230	0.06	4.00	32.875	33.630			
270	0.05	4.25	32.953	33.210			
325	0.05	4.50	32.873	33.043			
400	0.04	4.75	33.043	33.151			
450	0.03	5.00	32.679	32.721			
Fines	<0.03	> 5	122.821	122.409			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-154
Sampling Date: 9/17/10
Analysis Date: 9/11/12

Container wt.: 6.160
Total wt.: 20.192
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.466	46.453			
20	0.85	0.25	43.306	43.335			
25	0.71	0.50	45.752	45.779			
30	0.6	0.75	43.262	43.291			
35	0.5	1.00	41.611	41.648		✓	
40	0.43	1.25	39.693	39.728		✓	
45	0.36	1.50	39.251	39.291		✓	
50	0.3	1.75	39.097	39.135		✓	
60	0.25	2.00	38.307	38.350		✓	
70	0.21	2.25	37.674	37.736		✓	
80	0.18	2.50	36.454	36.549		✓	
100	0.15	2.75	34.389	34.797		✓	✓
120	0.13	3.00	35.503	37.690		✓	✓
140	0.11	3.25	34.855	38.722			✓
170	0.09	3.50	34.381	37.262			✓
200	0.08	3.75	33.128	34.537			✓
230	0.06	4.00	32.874	34.245			
270	0.05	4.25	32.950	33.433			
325	0.05	4.50	32.867	33.219			
400	0.04	4.75	33.033	33.268			
450	0.03	5.00	32.676	32.799			
Fines	<0.03	> 5	122.822	122.981			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-158
Sampling Date: 9/17/10
Analysis Date: 9/11/12

Container wt.: 6.161
Total wt.: 23.388
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.406	46.572			
20	0.85	0.25	43.304	43.347			
25	0.71	0.50	45.750	45.882			
30	0.6	0.75	43.262	43.370			
35	0.5	1.00	41.609	41.743		✓	
40	0.43	1.25	39.696	39.812		✓	
45	0.36	1.50	39.256	39.397		✓	
50	0.3	1.75	39.096	39.247		✓	
60	0.25	2.00	38.298	38.493		✓	
70	0.21	2.25	37.674	37.927		✓	
80	0.18	2.50	36.452	36.963		✓	✓
100	0.15	2.75	34.386	35.920		✓	✓
120	0.13	3.00	35.501	39.347			✓
140	0.11	3.25	34.854	38.485			✓
170	0.09	3.50	34.383	36.427			✓
200	0.08	3.75	33.122	34.146			✓
230	0.06	4.00	32.873	34.173			✓
270	0.05	4.25	32.952	33.425			
325	0.05	4.50	32.871	33.275			
400	0.04	4.75	33.035	33.382			
450	0.03	5.00	32.675	32.899			
Fines	<0.03	> 5	122.820	123.138			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-162
Sampling Date: 9/17/10
Analysis Date: 9/11/12

Container wt.: 6.162
Total wt.: 18.648
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.405	46.443			
20	0.85	0.25	43.308	43.334			
25	0.71	0.50	45.755	45.795			
30	0.6	0.75	43.267	43.306			
35	0.5	1.00	41.641	41.683		✓	
40	0.43	1.25	34.703	34.759		✓	
45	0.36	1.50	34.254	34.341		✓	
50	0.3	1.75	34.103	34.208		✓	
60	0.25	2.00	38.321	38.472		✓	
70	0.21	2.25	37.675	37.901		✓	
80	0.18	2.50	36.453	36.934		✓	✓
100	0.15	2.75	34.386	35.868		✓	✓
120	0.13	3.00	35.517	34.338		✓	✓
140	0.11	3.25	34.871	38.180			✓
170	0.09	3.50	34.383	35.558		✓	✓
200	0.08	3.75	33.124	33.547			✓
230	0.06	4.00	32.876	33.296			✓
270	0.05	4.25	32.955	33.167			
325	0.05	4.50	32.873	33.049			
400	0.04	4.75	33.041	33.176			
450	0.03	5.00	32.693	32.761			
Fines	<0.03	> 5	122.823	122.972			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-166
Sampling Date: 9/17/10
Analysis Date: 9/11/12

Container wt.: 6.162
Total wt.: 19.236
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.405	46.636			
20	0.85	0.25	43.308	43.370			
25	0.71	0.50	45.754	45.852			
30	0.6	0.75	43.264	43.346		✓	
35	0.5	1.00	41.611	41.724		✓	
40	0.43	1.25	39.695	39.797		✓	
45	0.36	1.50	39.252	39.388		✓	
50	0.3	1.75	39.102	39.248		✓	
60	0.25	2.00	38.311	38.526		✓	
70	0.21	2.25	37.676	37.964		✓	
80	0.18	2.50	36.458	37.605		✓	
100	0.15	2.75	34.391	35.783		✓	✓
120	0.13	3.00	35.510	38.637		✓	✓
140	0.11	3.25	34.869	37.784			✓
170	0.09	3.50	34.381	35.647		✓	✓
200	0.08	3.75	33.122	33.653			✓
230	0.06	4.00	32.872	33.405			✓
270	0.05	4.25	32.947	33.240			
325	0.05	4.50	32.867	33.163			
400	0.04	4.75	33.038	33.284			
450	0.03	5.00	32.682	32.835			
Fines	<0.03	> 5	122.820	123.013			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-170
Sampling Date: 9/17/10
Analysis Date: 9/12/12

Container wt.: 6.162
Total wt.: 18.545
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.410	46.599			
20	0.85	0.25	43.312	43.372			
25	0.71	0.50	45.754	45.847			
30	0.6	0.75	43.265	43.364			
35	0.5	1.00	41.608	41.734		✓	
40	0.43	1.25	39.698	39.787		✓	
45	0.36	1.50	39.251	39.377		✓	
50	0.3	1.75	39.101	39.235		✓	
60	0.25	2.00	38.304	38.472		✓	
70	0.21	2.25	37.672	37.892		✓	
80	0.18	2.50	36.454	36.905		✓	✓
100	0.15	2.75	34.391	35.494		✓	✓
120	0.13	3.00	35.515	38.217			✓
140	0.11	3.25	34.875	37.809			✓
170	0.09	3.50	34.379	35.794			✓
200	0.08	3.75	34.919	35.544			✓
230	0.06	4.00	32.875	33.496			
270	0.05	4.25	32.951	33.263			
325	0.05	4.50	32.874	33.139			
400	0.04	4.75	33.041	35.281			
450	0.03	5.00	32.683	32.857			
Fines	<0.03	> 5	122.823	123.024			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-174
Sampling Date: 9/17/10
Analysis Date: 9/12/12

Container wt.: 6.163
Total wt.: 19.342
Sample wt.:

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.412	46.437			
20	0.85	0.25	43.316	43.324			
25	0.71	0.50	45.757	45.775			
30	0.6	0.75	43.268	43.285			
35	0.5	1.00	41.615	41.644		✓	
40	0.43	1.25	39.701	39.728		✓	
45	0.36	1.50	39.254	39.292		✓	
50	0.3	1.75	39.102	39.150		✓	
60	0.25	2.00	38.302	38.386		✓	
70	0.21	2.25	37.675	37.819		✓	
80	0.18	2.50	36.454	36.859		✓	
100	0.15	2.75	34.390	35.730		✓	✓
120	0.13	3.00	35.508	39.407			✓
140	0.11	3.25	34.868	38.948			✓
170	0.09	3.50	34.383	36.051			✓
200	0.08	3.75	34.923	35.411			✓
230	0.06	4.00	32.873	33.193			✓
270	0.05	4.25	32.952	33.093			
325	0.05	4.50	32.876	33.083			
400	0.04	4.75	33.045	33.139			
450	0.03	5.00	32.687	32.746			
Fines	<0.03	> 5	122.822	122.921			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-178
Sampling Date: 9/17/12
Analysis Date: 9/12/12

Container wt.: 6.160
Total wt.: 18.831
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.411	46.458			
20	0.85	0.25	43.312	43.333			
25	0.71	0.50	45.753	45.793			
30	0.6	0.75	43.264	43.304			
35	0.5	1.00	41.608	41.676		✓	
40	0.43	1.25	39.697	39.750		✓	
45	0.36	1.50	39.251	39.327		✓	
50	0.3	1.75	39.099	39.180		✓	
60	0.25	2.00	38.300	38.417		✓	
70	0.21	2.25	37.672	37.868		✓	
80	0.18	2.50	36.454	36.963		✓	✓
100	0.15	2.75	34.399	35.838		✓	✓
120	0.13	3.00	35.529	39.171			✓
140	0.11	3.25	34.892	38.277			✓
170	0.09	3.50	34.388	35.838			✓
200	0.08	3.75	34.423	35.417			✓
230	0.06	4.00	32.873	33.243			
270	0.05	4.25	32.951	33.108			
325	0.05	4.50	32.875	33.000			
400	0.04	4.75	33.036	33.142			
450	0.03	5.00	32.685	32.754			
Fines	<0.03	> 5	122.825	122.943			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-182
Sampling Date: 9/17/10
Analysis Date: 9/12/12

Container wt.: 6.161
Total wt.: 21.608
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.410	46.442			
20	0.85	0.25	43.310	43.319			
25	0.71	0.50	45.753	45.776			
30	0.6	0.75	43.265	43.290			
35	0.5	1.00	41.607	41.644		✓	
40	0.43	1.25	39.696	39.722		✓	
45	0.36	1.50	39.249	39.289		✓	
50	0.3	1.75	39.097	39.140		✓	
60	0.25	2.00	38.300	38.380		✓	
70	0.21	2.25	37.671	37.877		✓	
80	0.18	2.50	36456	37.218		✓	✓
100	0.15	2.75	34.405	36.920		✓	✓
120	0.13	3.00	35.518	40.990			✓
140	0.11	3.25	34.880	38.672			✓
170	0.09	3.50	34.397	35.869			✓
200	0.08	3.75	34.924	35.339			✓
230	0.06	4.00	32.868	33.204			✓
270	0.05	4.25	32.947	33.098			
325	0.05	4.50	32.866	32.974			
400	0.04	4.75	33.035	33.119			
450	0.03	5.00	32.682	32.726			
Fines	<0.03	> 5	122.825	122.905			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-186
Sampling Date: 9/17/12
Analysis Date: 9/12/12

Container wt.: 6.161
Total wt.: 18.382
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.407	46.486			
20	0.85	0.25	43.311	43.342			
25	0.71	0.50	45.754	45.815			
30	0.6	0.75	43.263	43.312			
35	0.5	1.00	41.608	41.660		—	
40	0.43	1.25	39.694	39.744		✓	
45	0.36	1.50	39.249	39.306		✓	
50	0.3	1.75	39.092	39.156		✓	
60	0.25	2.00	38.300	38.389		✓	
70	0.21	2.25	37.667	37.824		✓	
80	0.18	2.50	36.450	36.896		✓	✓
100	0.15	2.75	34.899	36.034		✓	✓
120	0.13	3.00	35.517	39.622			✓
140	0.11	3.25	34.874	37.966			✓
170	0.09	3.50	34.398	35.591			✓
200	0.08	3.75	34.868	35.267			✓
230	0.06	4.00	32.865	33.105			
270	0.05	4.25	32.943	33.057			
325	0.05	4.50	32.864	32.951			
400	0.04	4.75	33.030	33.098			
450	0.03	5.00	32.677	32.723			
Fines	<0.03	> 5	122.822	122.963			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-190
Sampling Date: 9/17/10
Analysis Date: 9/12/12

Container wt.: 6.162
Total wt.: 21.831
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.407	46.570			
20	0.85	0.25	43.311	43.384			
25	0.71	0.50	45.762	45.865			
30	0.6	0.75	43.263	43.352			
35	0.5	1.00	41.607	41.724		✓	
40	0.43	1.25	39.696	39.792		✓	
45	0.36	1.50	39.247	39.369		✓	
50	0.3	1.75	39.095	39.217		✓	
60	0.25	2.00	38.298	38.458		✓	
70	0.21	2.25	37.669	37.923		✓	
80	0.18	2.50	36.453	37.161		✓	✓
100	0.15	2.75	34.400	36.233		✓	✓
120	0.13	3.00	35.514	39.522			✓
140	0.11	3.25	34.875	38.187			✓
170	0.09	3.50	34.389	36.181			✓
200	0.08	3.75	34.891	35.710			✓
230	0.06	4.00	32.867	33.447			✓
270	0.05	4.25	32.945	33.237			
325	0.05	4.50	32.865	33.157			
400	0.04	4.75	33.030	33.273			
450	0.03	5.00	32.679	32.862			
Fines	<0.03	> 5	122.825	123.058			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-194
Sampling Date: 9/17/10
Analysis Date: 9/12/12

Container wt.: 6.166
Total wt.: 19.389
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.410	46.665			
20	0.85	0.25	43.314	43.398			
25	0.71	0.50	45.763	45.896			
30	0.6	0.75	43.266	43.366			
35	0.5	1.00	41.610	41.750			
40	0.43	1.25	39.697	39.806			
45	0.36	1.50	39.251	39.379		✓	
50	0.3	1.75	39.100	39.225		✓	
60	0.25	2.00	38.307	38.459		✓	
70	0.21	2.25	37.672	37.917		✓	
80	0.18	2.50	36.466	37.011		✓	✓
100	0.15	2.75	34.408	35.516		✓	✓
120	0.13	3.00	35.544	38.143			✓
140	0.11	3.25	34.893	37.760			✓
170	0.09	3.50	34.395	36.064			✓
200	0.08	3.75	34.842	35.518			✓
230	0.06	4.00	32.871	33.667			
270	0.05	4.25	32.949	33.276			
325	0.05	4.50	32.872	33.180			
400	0.04	4.75	33.047	33.319			
450	0.03	5.00	32.689	32.867			
Fines	<0.03	> 5	122.826	123.080			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-198
Sampling Date: 9/17/10
Analysis Date: 9/12/12

Container wt.: 6.162
Total wt.: 19.936
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.409	46.858			
20	0.85	0.25	43.314	43.465			
25	0.71	0.50	45.762	45.982			
30	0.6	0.75	43266	43481			
35	0.5	1.00	41.608	41.858			
40	0.43	1.25	39.697	39.888		✓	
45	0.36	1.50	39.248	39.480		✓	
50	0.3	1.75	39.098	37.318		✓	
60	0.25	2.00	38.300	38.563		✓	
70	0.21	2.25	37.672	37.921		✓	
80	0.18	2.50	36.460	36.855		✓	
100	0.15	2.75	34.398	34.903		✓	✓
120	0.13	3.00	35.533	37.065			✓
140	0.11	3.25	34.880	37.673			✓
170	0.09	3.50	34.385	36.460			✓
200	0.08	3.75	32.838	34.369			✓
230	0.06	4.00	32.869	33.765			✓
270	0.05	4.25	32.948	33.348			
325	0.05	4.50	32.869	33.202			
400	0.04	4.75	33.038	33.349			
450	0.03	5.00	32.681	32.948			
Fines	<0.03	> 5	122.822	123.084			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-202
Sampling Date: 9/17/12
Analysis Date: 9/12/12

Container wt.: 6.101
Total wt.: 17.421
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.421	46.633			
20	0.85	0.25	43.327	43.395			
25	0.71	0.50	45.768	45.896			
30	0.6	0.75	43.275	43.371			
35	0.5	1.00	41.611	41.761		✓	
40	0.43	1.25	39.697	39.815		✓	
45	0.36	1.50	39.253	39.398		✓	
50	0.3	1.75	39.093	39.235		✓	
60	0.25	2.00	38.311	38.476		✓	
70	0.21	2.25	37.672	37.823		✓	
80	0.18	2.50	36.460	36.640		✓	
100	0.15	2.75	34.391	34.748		✓	✓
120	0.13	3.00	35.514	36.997			✓
140	0.11	3.25	34.882	38.025			✓
170	0.09	3.50	34.393	36.371			✓
200	0.08	3.75	34.841	35.827			
230	0.06	4.00	32.869	33.628			
270	0.05	4.25	32.951	33.167			
325	0.05	4.50	32.873	33.079			
400	0.04	4.75	33.041	33.203			
450	0.03	5.00	32.690	32.862			
Fines	<0.03	> 5	127.821	123.032			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-206
Sampling Date: 9/17/10
Analysis Date: 9/12/12

Container wt.: 6.160
Total wt.: 19.598
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.412	47.564			
20	0.85	0.25	43.319	43.606			
25	0.71	0.50	45.765	46.147			
30	0.6	0.75	43.269	43.579			
35	0.5	1.00	41.607	41.958		✓	
40	0.43	1.25	39.695	39.947		✓	
45	0.36	1.50	39.250	39.524		✓	
50	0.3	1.75	39.094	39.353		✓	
60	0.25	2.00	38.341	38.614		✓	
70	0.21	2.25	37.667	37.904		✓	
80	0.18	2.50	36.450	36.763		✓	
100	0.15	2.75	34.389	34.897		✓	✓
120	0.13	3.00	35.507	36.878		✓	✓
140	0.11	3.25	34.884	37.249			✓
170	0.09	3.50	34.389	35.923			✓
200	0.08	3.75	34.837	35.761			✓
230	0.06	4.00	32.870	33.885			
270	0.05	4.25	32.949	33.359			
325	0.05	4.50	32.870	33.232			
400	0.04	4.75	33.038	33.306			
450	0.03	5.00	32.681	32.912			
Fines	<0.03	> 5	122.822	123.030			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-210
Sampling Date: 9/17/10
Analysis Date: 9/12/12

Container wt.: 6.161
Total wt.: 20.083
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.425	47.090			
20	0.85	0.25	43.326	43.451			
25	0.71	0.50	45.768	45.981			
30	0.6	0.75	43.275	43.396			
35	0.5	1.00	41.615	41.773		✓	
40	0.43	1.25	39.701	39.811		✓	
45	0.36	1.50	34.249	39.379		✓	
50	0.3	1.75	39.097	39.224		✓	
60	0.25	2.00	38.342	38.456		✓	
70	0.21	2.25	37.668	37.809		✓	
80	0.18	2.50	36.452	36.629		✓	✓
100	0.15	2.75	34.388	34870		✓	✓
120	0.13	3.00	35.503	38.264			✓
140	0.11	3.25	34.882	38.990			✓
170	0.09	3.50	34.388	36.610			✓
200	0.08	3.75	34.838	35.819			✓
230	0.06	4.00	32.869	33.399			
270	0.05	4.25	32.949	33.137			
325	0.05	4.50	32.873	33.015			
400	0.04	4.75	33.038	33.160			
450	0.03	5.00	32.681	32.760			
Fines	<0.03	> 5	122.822	122.964			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-214
Sampling Date: 9/17/10
Analysis Date: 9/12/12

Container wt.: 6.159
Total wt.: 19.243
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.416	46.869			
20	0.85	0.25	43.320	43.515			
25	0.71	0.50	45.763	46.011			
30	0.6	0.75	43.270	43.509			
35	0.5	1.00	41.669	41.870			
40	0.43	1.25	39.693	39.891		✓	
45	0.36	1.50	39.247	39.499		✓	
50	0.3	1.75	39.089	39.326		✓	
60	0.25	2.00	38.309	38.587		✓	
70	0.21	2.25	37.667	37.915		✓	✓
80	0.18	2.50	36.446	36.732		✓	✓
100	0.15	2.75	34.386	34.758		✓	✓
120	0.13	3.00	35.505	36.598		✓	✓
140	0.11	3.25	34.877	36.932			✓
170	0.09	3.50	34.395	36.264			✓
200	0.08	3.75	34.835	36.099			✓
230	0.06	4.00	32.866	34.395			✓
270	0.05	4.25	32.949	33.501			
325	0.05	4.50	32.870	33.302			
400	0.04	4.75	33.037	33.385			
450	0.03	5.00	32.681	32.989			
Fines	<0.03	> 5	122.821	123.081			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-218
Sampling Date: 9/17/10
Analysis Date: 9/12/12

Container wt.: 6.161
Total wt.: 19.168
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.421	46.610			
20	0.85	0.25	43.319	43.398			
25	0.71	0.50	45.765	45.885			
30	0.6	0.75	43.277	43.369			
35	0.5	1.00	41.611	41.744			
40	0.43	1.25	39.696	39.805		✓	
45	0.36	1.50	39.246	39.385		✓	
50	0.3	1.75	39.096	39.234		✓	
60	0.25	2.00	38.310	38.476		✓	
70	0.21	2.25	37.668	37.828		✓	
80	0.18	2.50	36.453	36.656		✓	✓
100	0.15	2.75	34.389	34.853		✓	✓
120	0.13	3.00	35.509	38.074			✓
140	0.11	3.25	34.878	38.925			✓
170	0.09	3.50	34.387	36.237			✓
200	0.08	3.75	34.840	35.665			
230	0.06	4.00	32.867	33.575			
270	0.05	4.25	32.951	33.213			
325	0.05	4.50	32.875	33.063			
400	0.04	4.75	33.037	33.184			
450	0.03	5.00	32.690	32.791			
Fines	<0.03	> 5	122.823	123.037			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-222
Sampling Date: 9/17/10
Analysis Date: 9/12/12

Container wt.: 6.160
Total wt.: 20.501
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.416	46.745			
20	0.85	0.25	43.317	43.454			
25	0.71	0.50	45.762	45.942			
30	0.6	0.75	43.270	43.414			
35	0.5	1.00	41.609	41.795		✓	
40	0.43	1.25	39.696	39.830		✓	
45	0.36	1.50	39.248	39.422		✓	
50	0.3	1.75	39.093	39.255		✓	
60	0.25	2.00	38.306	38.504		✓	
70	0.21	2.25	37.668	37.847		✓	
80	0.18	2.50	36.452	36.661		✓	
100	0.15	2.75	34.386	34.855		✓	✓
120	0.13	3.00	35.510	38.017		✓	✓
140	0.11	3.25	34.877	39.230			✓
170	0.09	3.50	34.398	36.542			✓
200	0.08	3.75	34.843	35.808			✓
230	0.06	4.00	32.866	33.670			
270	0.05	4.25	32.949	33.213			
325	0.05	4.50	32.873	33.088			
400	0.04	4.75	33.035	33.198			
450	0.03	5.00	32.693	32.814			
Fines	<0.03	> 5	122.824	123.022			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-226
Sampling Date: 9/17/10
Analysis Date: 9/12/12

Container wt.: 6.161
Total wt.: 17.591
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.413	46.696			
20	0.85	0.25	43.317	43.456			
25	0.71	0.50	45.762	45.950			
30	0.6	0.75	43.272	43.457			
35	0.5	1.00	41.609	41.787			
40	0.43	1.25	39.696	39.827		✓	
45	0.36	1.50	39.248	39.419		✓	
50	0.3	1.75	39.094	39.263		✓	
60	0.25	2.00	38.300	38.509		✓	
70	0.21	2.25	37.665	37.863		✓	✓
80	0.18	2.50	36.450	36.683		✓	✓
100	0.15	2.75	34.386	34.829		✓	✓
120	0.13	3.00	35.522	37.063		✓	✓
140	0.11	3.25	34.884	37.696			✓
170	0.09	3.50	34.400	36.195			
200	0.08	3.75	34.844	35.624			
230	0.06	4.00	32.870	33.740			
270	0.05	4.25	32.947	33.198			
325	0.05	4.50	32.871	33.068			
400	0.04	4.75	33.036	33.214			
450	0.03	5.00	32.687	32.825			
Fines	<0.03	> 5	122.827	123.057			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-230
Sampling Date: 9/17/12
Analysis Date: 9/13/12

Container wt.: 6.162
Total wt.: 16.784
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.423	46.511			
20	0.85	0.25	43.326	43.363			
25	0.71	0.50	45.769	45.829			
30	0.6	0.75	43.275	43.346			
35	0.5	1.00	41.615	41.706		✓	
40	0.43	1.25	39.702	39.774		✓	
45	0.36	1.50	39.255	39.348		✓	
50	0.3	1.75	39.098	39.193		✓	
60	0.25	2.00	38.308	38.427		✓	
70	0.21	2.25	37.671	37.789		✓	
80	0.18	2.50	36.453	36.581		✓	✓
100	0.15	2.75	34.391	34.628		✓	✓
120	0.13	3.00	35.515	36.446		✓	✓
140	0.11	3.25	34.894	37.311			✓
170	0.09	3.50	34.396	36.811			✓
200	0.08	3.75	34.855	36.093			
230	0.06	4.00	32.874	34.171			
270	0.05	4.25	32.991	33.337			
325	0.05	4.50	32.879	33.164			
400	0.04	4.75	33.033	33.212			
450	0.03	5.00	32.694	32.880			
Fines	<0.03	> 5	122.827	122.966			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-234
Sampling Date: 9/17/10
Analysis Date: 9/13/12

Container wt.: 6.160
Total wt.: 19.717
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.418	46.581			
20	0.85	0.25	43.320	43.403			
25	0.71	0.50	45.762	45.897			
30	0.6	0.75	43.272	43.405			
35	0.5	1.00	41.604	41.757		✓	
40	0.43	1.25	39.700	39.821		✓	
45	0.36	1.50	39.251	39.398		✓	
50	0.3	1.75	39.096	39.248		✓	
60	0.25	2.00	38.308	38.479		✓	
70	0.21	2.25	37.672	37.849		✓	✓
80	0.18	2.50	36.453	36.695		✓	✓
100	0.15	2.75	34.390	34.857		✓	✓
120	0.13	3.00	35.510	37.129		✓	✓
140	0.11	3.25	34.886	37.703			✓
170	0.09	3.50	34.412	36.598			✓
200	0.08	3.75	34.849	35.938			✓
230	0.06	4.00	32.873	34.449			
270	0.05	4.25	32.953	33.542			
325	0.05	4.50	32.871	33.327			
400	0.04	4.75	33.037	33.374			
450	0.03	5.00	32.687	32.956			
Fines	<0.03	> 5	122.823	123.160			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-238
Sampling Date: 9/17/10
Analysis Date: 9/13/12

Container wt.: 6.160
Total wt.: 19.138
Sample wt.:

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.421	46.459			
20	0.85	0.25	43.323	43.334			
25	0.71	0.50	45.776	45.790			
30	0.6	0.75	43.272	43.304			
35	0.5	1.00	41.612	41.653		~	
40	0.43	1.25	39.706	39.737		✓	
45	0.36	1.50	39.253	39.314		✓	
50	0.3	1.75	39.101	39.169		✓	
60	0.25	2.00	38.311	38.410		✓	
70	0.21	2.25	37.669	37.792		~	
80	0.18	2.50	36.452	36.611		✓	✓
100	0.15	2.75	34.388	34.740		✓	✓
120	0.13	3.00	35.508	37.348			✓
140	0.11	3.25	34.892	39.364			✓
170	0.09	3.50	34.398	37.329			✓
200	0.08	3.75	34.851	36.014			·
230	0.06	4.00	32.873	33.701			
270	0.05	4.25	32.950	33.189			
325	0.05	4.50	32.870	33.010			
400	0.04	4.75	33.036	33.119			
450	0.03	5.00	32.689	32.745			
Fines	<0.03	> 5	122.821	122.926			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-242
Sampling Date: 9/17/10
Analysis Date: 9/13/12

Container wt.: 6.161
Total wt.: 17.584
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.417	46.685			
20	0.85	0.25	43.318	43.429			
25	0.71	0.50	45.762	45.921			
30	0.6	0.75	43.268	43.418		✓	
35	0.5	1.00	41.608	41.784		✓	
40	0.43	1.25	39.700	39.834		✓	
45	0.36	1.50	39.250	39.429		✓	
50	0.3	1.75	39.094	39.276		✓	
60	0.25	2.00	38.310	38.539		✓	
70	0.21	2.25	37.666	37.878		✓	
80	0.18	2.50	36.448	36.690		✓	
100	0.15	2.75	34.386	34.746		✓	✓
120	0.13	3.00	35.522	36.410			✓
140	0.11	3.25	34.875	36.849			✓
170	0.09	3.50	34.342	36.360			✓
200	0.08	3.75	34.847	36.078			✓
230	0.06	4.00	32.868	34.280			✓
270	0.05	4.25	32.947	33.409			
325	0.05	4.50	32.867	33.199			
400	0.04	4.75	33.029	33.298			
450	0.03	5.00	32.681	32.898			
Fines	<0.03	> 5	122.829	123.076			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-246
Sampling Date: 9/17/10
Analysis Date: 9/13/12

Container wt.: 6.160
Total wt.: 17.590
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.417	46.684			
20	0.85	0.25	43.320	43.414			
25	0.71	0.50	45.766	45.900			
30	0.6	0.75	43.275	43.366			
35	0.5	1.00	41.608	41.748		✓	
40	0.43	1.25	39.697	39.797		✓	
45	0.36	1.50	39.250	39.390		✓	
50	0.3	1.75	39.101	39.232		✓	
60	0.25	2.00	38.320	38.483		✓	
70	0.21	2.25	37.672	37.835		✓	
80	0.18	2.50	36.450	36.662		✓	
100	0.15	2.75	34.392	34.834		✓	✓
120	0.13	3.00	35.518	36.988		✓	✓
140	0.11	3.25	34.892	37.738			✓
170	0.09	3.50	34.396	36.177			✓
200	0.08	3.75	34.850	35.712			✓
230	0.06	4.00	32.871	33.843			
270	0.05	4.25	32.953	33.286			
325	0.05	4.50	32.875	33.173			
400	0.04	4.75	33.037	33.278			
450	0.03	5.00	32.694	32.869			
Fines	<0.03	> 5	122.817	123.096			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-250
Sampling Date: 9/17/10
Analysis Date: 9/13/12

Container wt.: 6.161
Total wt.: 18.504
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.421	46.637			
20	0.85	0.25	43.321	43.388			
25	0.71	0.50	45.766	45.854			
30	0.6	0.75	43.271	43.344			
35	0.5	1.00	41.610	41.705		✓	
40	0.43	1.25	39.697	39.770		✓	
45	0.36	1.50	39.249	39.341		✓	
50	0.3	1.75	39.095	39.186		✓	
60	0.25	2.00	38.322	38.435		✓	
70	0.21	2.25	37.671	37.791		✓	
80	0.18	2.50	36.448	36.611		✓	
100	0.15	2.75	34.390	34.784		✓	✓
120	0.13	3.00	35.516	37.236		✓	✓
140	0.11	3.25	34.873	38.898			✓
170	0.09	3.50	34.396	36.711			✓
200	0.08	3.75	34.844	35.805			
230	0.06	4.00	32.868	33.695			
270	0.05	4.25	32.947	33.260			
325	0.05	4.50	32.871	33.067			
400	0.04	4.75	33.036	33.169			
450	0.03	5.00	32.694	32.769			
Fines	<0.03	> 5	122.822	122.943			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-254
Sampling Date: 9/07/10
Analysis Date: 9/13/12

Container wt.: 6.160
Total wt.: 18.665
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.416	46.717			
20	0.85	0.25	43.315	43.413			
25	0.71	0.50	45.764	45.943			
30	0.6	0.75	43.269	43.442			
35	0.5	1.00	41.607	41.805		✓	
40	0.43	1.25	39.698	39.856		✓	
45	0.36	1.50	39.249	39.464		✓	
50	0.3	1.75	39.089	39.278		✓	
60	0.25	2.00	38.307	38.526		✓	
70	0.21	2.25	37.666	37.883		✓	
80	0.18	2.50	36,443	36.693		✓	✓
100	0.15	2.75	34.386	34.877		✓	✓
120	0.13	3.00	35.511	36.811		✓	✓
140	0.11	3.25	34.892	37.221			✓
170	0.09	3.50	34.395	36.500			✓
200	0.08	3.75	34.844	36.069			✓
230	0.06	4.00	32.865	34.138			
270	0.05	4.25	32.947	33.356			
325	0.05	4.50	32.868	33.206			
400	0.04	4.75	33.032	33.315			
450	0.03	5.00	32.682	32.886			
Fines	<0.03	> 5	122.821	123.122			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-258
Sampling Date: 9/17/12
Analysis Date: 9/13/12

Container wt.: 6.163
Total wt.: 17.503
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.422	46.914			
20	0.85	0.25	43.324	43.482			
25	0.71	0.50	45.769	45.972			
30	0.6	0.75	43.276	43.448			
35	0.5	1.00	41.615	41.825		✓	
40	0.43	1.25	39.702	39.853		✓	
45	0.36	1.50	39.255	39.437		✓	
50	0.3	1.75	39.096	39.273		✓	
60	0.25	2.00	38.312	38.509		✓	
70	0.21	2.25	37.668	37.859		✓	
80	0.18	2.50	36.445	36.651		✓	✓
100	0.15	2.75	34.387	34.721		✓	✓
120	0.13	3.00	35.513	36.659			✓
140	0.11	3.25	34.891	37.089			✓
170	0.09	3.50	34.403	36.854			✓
200	0.08	3.75	34.858	35.753			
230	0.06	4.00	32.871	33.957			
270	0.05	4.25	32.953	33.372			
325	0.05	4.50	32.874	33.202			
400	0.04	4.75	33.040	33.331			
450	0.03	5.00	32.693	32.920			
Fines	<0.03	> 5	122.823	123.127			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-262
Sampling Date: 9/17/10
Analysis Date: 9/13/12

Container wt.: 6.161
Total wt.: 19.635
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.421	46.766			
20	0.85	0.25	43.320	43.472			
25	0.71	0.50	45.763	45.421			
30	0.6	0.75	43.269	43.418			
35	0.5	1.00	41.610	41.776			
40	0.43	1.25	39.695	39.815		✓	
45	0.36	1.50	39.253	39.391		✓	
50	0.3	1.75	39.095	39.229		✓	
60	0.25	2.00	38.315	38.458		✓	
70	0.21	2.25	37.669	37.812		✓	
80	0.18	2.50	36.447	36.625		✓	
100	0.15	2.75	34.384	34.789		✓	✓
120	0.13	3.00	35.507	37.160			✓
140	0.11	3.25	34.871	38.119			✓
170	0.09	3.50	34.402	36.648			✓
200	0.08	3.75	34.851	36.066			
230	0.06	4.00	32.870	34.146			
270	0.05	4.25	32.954	33.388			
325	0.05	4.50	32.877	33.217			
400	0.04	4.75	33.042	33.324			
450	0.03	5.00	32.702	32.884			
Fines	<0.03	> 5	122.824	123.119			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-266
Sampling Date: 9/17/12
Analysis Date: 9/13/12

Container wt.: 6.160
Total wt.: 18.162
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.417	46.466			
20	0.85	0.25	43.317	43.348			
25	0.71	0.50	45.764	45.802			
30	0.6	0.75	43.269	43303			
35	0.5	1.00	41.608	41.654		✓	
40	0.43	1.25	39.697	39.727		✓	
45	0.36	1.50	39.250	39.295		✓	
50	0.3	1.75	39.093	39.142		✓	
60	0.25	2.00	38.310	38.374		✓	
70	0.21	2.25	37.667	37.752		✓	
80	0.18	2.50	36.446	36.561		✓	
100	0.15	2.75	34.382	34.686		✓	✓
120	0.13	3.00	35.516	37.255		✓	✓
140	0.11	3.25	34.883	38.998			✓
170	0.09	3.50	34.400	36.891			✓
200	0.08	3.75	34.847	35.888			✓
230	0.06	4.00	32.868	33.713			
270	0.05	4.25	32.950	33.263			
325	0.05	4.50	32.873	33.084			
400	0.04	4.75	33.035	33.169			
450	0.03	5.00	32.694	32.752			
Fines	<0.03	> 5	122.824	122.924			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-270
Sampling Date: 9/17/10
Analysis Date: 9/14/12

Container wt.: 6.159
Total wt.: 20.032
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.423	46.928			
20	0.85	0.25	43.320	43.514			
25	0.71	0.50	45.766	46.052			
30	0.6	0.75	43.270	43.518			
35	0.5	1.00	41.612	41.895			
40	0.43	1.25	39.700	39.902		✓	
45	0.36	1.50	39.253	39.495		✓	
50	0.3	1.75	39.098	39.322		✓	
60	0.25	2.00	38.310	38.553		✓	
70	0.21	2.25	37.671	37.900		✓	
80	0.18	2.50	36.449	36.691		✓	
100	0.15	2.75	34.388	34.741		✓	
120	0.13	3.00	35.517	36.524		✓	✓
140	0.11	3.25	34.879	37.285			✓
170	0.09	3.50	34.405	36.807			✓
200	0.08	3.75	34.859	36.057			✓
230	0.06	4.00	32.872	34.292			
270	0.05	4.25	32.951	33.539			
325	0.05	4.50	32.871	33.362			
400	0.04	4.75	33.034	33.412			
450	0.03	5.00	32.681	33.028			
Fines	<0.03	> 5	122.820	123.193			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-274
Sampling Date: 9/17/10
Analysis Date: 9/14/12

Container wt.: 6.160
Total wt.: 17.167
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.425	46.681			
20	0.85	0.25	43.325	43.423			
25	0.71	0.50	45.772	45.929			
30	0.6	0.75	43.281	43.420			
35	0.5	1.00	41.615	41.790			
40	0.43	1.25	39.701	39.835		✓	
45	0.36	1.50	39.254	39.422		✓	
50	0.3	1.75	39.099	39.262		✓	
60	0.25	2.00	38.324	38.517		✓	
70	0.21	2.25	37.676	37.868		✓	
80	0.18	2.50	36.452	36.654		✓	
100	0.15	2.75	34.392	34.664		✓	✓
120	0.13	3.00	35.521	36.160		✓	✓
140	0.11	3.25	34.897	36.842			✓
170	0.09	3.50	34.418	36.847			✓
200	0.08	3.75	34.863	36.135			
230	0.06	4.00	32.872	34.064			
270	0.05	4.25	32.958	33.368			
325	0.05	4.50	32.878	33.180			
400	0.04	4.75	33.045	33.271			
450	0.03	5.00	32.695	32.873			
Fines	<0.03	> 5	127.824	123.031			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-278
Sampling Date: 9/17/10
Analysis Date: 9/14/12

Container wt.: 6.160
Total wt.: 16.614
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.421	46.773			
20	0.85	0.25	43.324	43.496			
25	0.71	0.50	45.770	46.009			
30	0.6	0.75	43.277	43.513			
35	0.5	1.00	41.613	41.858			
40	0.43	1.25	39.705	39.896			
45	0.36	1.50	39.253	39.471		✓	
50	0.3	1.75	39.100	39.300		✓	
60	0.25	2.00	38.332	38.549		✓	
70	0.21	2.25	37.677	37.870		✓	
80	0.18	2.50	36.454	36.653		✓	✓
100	0.15	2.75	34.388	34.641		✓	✓
120	0.13	3.00	35.510	35.934		✓	✓
140	0.11	3.25	34.891	35.877			✓
170	0.09	3.50	34.426	35.950			✓
200	0.08	3.75	34.860	35.878			
230	0.06	4.00	32.874	34.198			
270	0.05	4.25	32.958	33.470			
325	0.05	4.50	32.878	33.279			
400	0.04	4.75	33.040	33.364			
450	0.03	5.00	32.692	32.944			
Fines	<0.03	> 5	122.823	123.124			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-282
Sampling Date: 9/17/10
Analysis Date: 9/14/12

Container wt.: 6.160
Total wt.: 19.968
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.426	46.984			
20	0.85	0.25	43.332	43.538			
25	0.71	0.50	45.779	46.109			
30	0.6	0.75	43.283	43.555			
35	0.5	1.00	41.614	41.959			
40	0.43	1.25	39.706	39.948			
45	0.36	1.50	39.257	39.561			
50	0.3	1.75	39.102	39.364		✓	
60	0.25	2.00	38.325	38.614		✓	
70	0.21	2.25	37.677	37.935		✓	
80	0.18	2.50	36.449	36.726		✓	✓
100	0.15	2.75	34.389	34.683		✓	✓
120	0.13	3.00	35.509	36.009			✓
140	0.11	3.25	34.884	36.280			✓
170	0.09	3.50	34.417	36.771			✓
200	0.08	3.75	34.860	36.290			✓
230	0.06	4.00	32.875	35.007			
270	0.05	4.25	32.959	33.616			
325	0.05	4.50	32.878	33.373			
400	0.04	4.75	33.042	33.408			
450	0.03	5.00	32.694	33.038			
Fines	<0.03	> 5	122.821	123.090			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-284
Sampling Date: 9/17/10
Analysis Date: 9/14/12

Container wt.: 6.160
Total wt.: 16.470
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.479	46.812			
20	0.85	0.25	43.335	43.521			
25	0.71	0.50	45.780	46.029			
30	0.6	0.75	43.280	43.528			
35	0.5	1.00	41.620	41.901			
40	0.43	1.25	39.702	39.899			
45	0.36	1.50	39.260	39.500			
50	0.3	1.75	39.106	39.321			
60	0.25	2.00	38.330	38.564		✓	
70	0.21	2.25	37.682	37.889		✓	
80	0.18	2.50	36.461	36.669		✓	
100	0.15	2.75	34.392	34.601		✓	
120	0.13	3.00	35.510	35.909		✓	✓
140	0.11	3.25	34.906	35.750			✓
170	0.09	3.50	34.419	36.079			✓
200	0.08	3.75	34.855	36.084			✓
230	0.06	4.00	32.872	34.510			
270	0.05	4.25	32.958	33.449			
325	0.05	4.50	32.877	33.255			
400	0.04	4.75	33.037	33.297			
450	0.03	5.00	32.695	32.918			
Fines	<0.03	> 5	122.823	123.048			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C1-290
Sampling Date: 9/17/10
Analysis Date: 9/14/12

Container wt.: 6.159
Total wt.: 16.868
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.446	46.977			
20	0.85	0.25	43.339	43.665			
25	0.71	0.50	45.795	46.277			
30	0.6	0.75	43.287	43.767			
35	0.5	1.00	41.625	42.166			
40	0.43	1.25	39.703	40.093			
45	0.36	1.50	39.263	39.682			
50	0.3	1.75	39.093	34.446			
60	0.25	2.00	38.323	38.723			
70	0.21	2.25	37.679	37.992		✓	
80	0.18	2.50	36.460	36.746		✓	
100	0.15	2.75	34.386	34.740		✓	✓
120	0.13	3.00	35.510	35.846		✓	✓
140	0.11	3.25	34.897	35.330			
170	0.09	3.50	34.409	35.085			
200	0.08	3.75	34.857	35.628			
230	0.06	4.00	32.871	34.431			
270	0.05	4.25	32.957	33.547			
325	0.05	4.50	32.877	33.346			
400	0.04	4.75	33.038	33.371			
450	0.03	5.00	32.689	32.994			
Fines	<0.03	> 5	122.824	123.084			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-294
Sampling Date: 9/17/10
Analysis Date: 9/14/12

Container wt.: 6.159
Total wt.: 15.761
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.462	47.026			
20	0.85	0.25	43.357	43.651			
25	0.71	0.50	45.817	46.752			
30	0.6	0.75	43.297	43.699			
35	0.5	1.00	41.633	42.072			
40	0.43	1.25	39.710	40.044			
45	0.36	1.50	39.261	39.615			
50	0.3	1.75	39.101	39.381			
60	0.25	2.00	38.336	38.648			
70	0.21	2.25	37.678	37.947		✓	
80	0.18	2.50	36.456	36.692		✓	
100	0.15	2.75	34.398	34.654			
120	0.13	3.00	35.515	35.819			
140	0.11	3.25	34.906	35.302			
170	0.09	3.50	34.415	35.111			
200	0.08	3.75	34.858	35.731			
230	0.06	4.00	32.872	34.085			
270	0.05	4.25	32.968	33.505			
325	0.05	4.50	32.878	33.316			
400	0.04	4.75	33.040	33.374			
450	0.03	5.00	32.699	32.989			
Fines	<0.03	> 5	122.822	123.035			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-298
Sampling Date: 9/17/10
Analysis Date: 9/14/12

Container wt.: 6.159
Total wt.: 16.296
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.450	46.986			
20	0.85	0.25	43.344	43.562			
25	0.71	0.50	45.808	46.158			
30	0.6	0.75	43.303	43.677			
35	0.5	1.00	41.647	42.010			
40	0.43	1.25	39.709	40.012			
45	0.36	1.50	39.262	39.567			
50	0.3	1.75	39.101	39.388			
60	0.25	2.00	38.333	38.597			
70	0.21	2.25	37.683	37.919			
80	0.18	2.50	36.458	36.673			
100	0.15	2.75	34.392	34.635			
120	0.13	3.00	35.513	35.832			
140	0.11	3.25	34.898	35.382			
170	0.09	3.50	34.406	35.237			
200	0.08	3.75	34.853	35.793			
230	0.06	4.00	32.869	34.494			
270	0.05	4.25	32.951	33.594			
325	0.05	4.50	32.877	33.320			
400	0.04	4.75	33.036	33.387			
450	0.03	5.00	32.690	33.004			
Fines	<0.03	> 5	122.824	123.131			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-302
Sampling Date: 9/17/10
Analysis Date: 9/14/12

Container wt.: 6.162
Total wt.: 18.937
Sample wt.: [illegible]

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	116.450	47.158			
20	0.85	0.25	43.347	43.577			
25	0.71	0.50	45.805	46.149			
30	0.6	0.75	43.296	43.624			
35	0.5	1.00	41.633	42.000			
40	0.43	1.25	39.713	39.993			
45	0.36	1.50	39.261	39.604		✓	
50	0.3	1.75	39.097	39.406		✓	
60	0.25	2.00	38.322	38.646		✓	
70	0.21	2.25	37.677	37.947		✓	
80	0.18	2.50	36.453	36.720		✓	
100	0.15	2.75	34.387	34.679		✓	
120	0.13	3.00	35.505	35.901		✓	✓
140	0.11	3.25	34.887	35.570			✓
170	0.09	3.50	34.401	35.746			✓
200	0.08	3.75	34.851	36.238			
230	0.06	4.00	32.866	35.237			
270	0.05	4.25	32.952	33.714			
325	0.05	4.50	32.872	33.434			
400	0.04	4.75	33.034	33.449			
450	0.03	5.00	32.698	33.046			
Fines	<0.03	> 5	122.825	123.133			

Vibracore C2

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-CC2
Sampling Date: 9/17/10
Analysis Date: 8/30/12

Container wt.: 6.157
Total wt.: 17.933
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.442	46.669			
20	0.85	0.25	43.322	43.389			
25	0.71	0.50	45.757	45.871			
30	0.6	0.75	43.248	43.353			
35	0.5	1.00	41.622	41.771			
40	0.43	1.25	39.702	39.822			
45	0.36	1.50	39.254	39.434			
50	0.3	1.75	39.135	39.401			
60	0.25	2.00	38.343	38.888		✓	
70	0.21	2.25	37.721	38.595		✓	
80	0.18	2.50	36.500	37.994		✓	
100	0.15	2.75	34.415	36.091			
120	0.13	3.00	35.505	37.567			
140	0.11	3.25	34.825	36.395			
170	0.09	3.50	34.365	35.090			
200	0.08	3.75	33 121	33.527			
230	0.06	4.00	32.883	33.319			
270	0.05	4.25	32.952	33.171			
325	0.05	4.50	32.873	35.033			
400	0.04	4.75	33.049	33.192			
450	0.03	5.00	32.683	32.778			
Fines	<0.03	> 5	122.822	122.902			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-066
Sampling Date: 9/17/10
Analysis Date: 8/30/12

Container wt.: 6.156
Total wt.: 18.559
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.410	46.649			
20	0.85	0.25	43.322	43.371			
25	0.71	0.50	45.757	45.839			
30	0.6	0.75	43.251	43.329			
35	0.5	1.00	41.621	41.730			
40	0.43	1.25	39.701	39.801			
45	0.36	1.50	39.252	39.419			
50	0.3	1.75	39.137	39.384		✓	
60	0.25	2.00	38.351	38.936		✓	
70	0.21	2.25	37.728	38.841		✓	
80	0.18	2.50	36.507	38.220		✓	
100	0.15	2.75	34.414	36.416			
120	0.13	3.00	35.491	37.880			
140	0.11	3.25	34.836	36.443			
170	0.09	3.50	34.360	35.042			
200	0.08	3.75	33.121	33.479			
230	0.06	4.00	32.884	33.215			
270	0.05	4.25	32.954	33.137			
325	0.05	4.50	32.871	32.991			
400	0.04	4.75	33.043	33.150			
450	0.03	5.00	32.682	32.742			
Pan	0.03	> 5	122.822	122.872			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-C10
Sampling Date: 9/17/10
Analysis Date: 8/30/12

Container wt.: 6.158
Total wt.: 18.906
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.443	46.512			
20	0.85	0.25	43.325	43.351			
25	0.71	0.50	45.761	45.808			
30	0.6	0.75	43.252	43.290			
35	0.5	1.00	41.624	41.683			
40	0.43	1.25	39.706	39.764			
45	0.36	1.50	39.255	39.358		✓	
50	0.3	1.75	39.136	39.351		✓	
60	0.25	2.00	38.354	38.914		✓	
70	0.21	2.25	37.732	38.907		✓	
80	0.18	2.50	36.508	38.362			
100	0.15	2.75	34.412	36.581			
120	0.13	3.00	35.493	38.134			
140	0.11	3.25	34.837	36.657			
170	0.09	3.50	34.366	35.115			
200	0.08	3.75	33.120	33.473			✓
230	0.06	4.00	32.883	33.181			✓
270	0.05	4.25	32.950	33.100			
325	0.05	4.50	32.870	32.967			
400	0.04	4.75	33.043	33.123			
450	0.03	5.00	32.684	32.731			
Fines	<0.03	> 5	122.823	122.877			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-014
Sampling Date: 9/17/12
Analysis Date: 8/30/12

Container wt.: 6.156
Total wt.: 19.154
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.440	46.514			
20	0.85	0.25	43.325	43.344			
25	0.71	0.50	45.761	45.802			
30	0.6	0.75	43.251	43.292			
35	0.5	1.00	41.622	41.682			
40	0.43	1.25	39.706	39.750			
45	0.36	1.50	39.254	39.351		✓	
50	0.3	1.75	39.135	39.328		✓	✓
60	0.25	2.00	38.378	38.904		✓	✓
70	0.21	2.25	37.731	38.937		✓	✓
80	0.18	2.50	36.507	38.404		✓	
100	0.15	2.75	34.412	36.639			
120	0.13	3.00	35.501	38.208			
140	0.11	3.25	34.838	36.666			
170	0.09	3.50	34.364	35132			
200	0.08	3.75	33.118	33.499			
230	0.06	4.00	32.879	33.230			
270	0.05	4.25	32.949	33.103			
325	0.05	4.50	32.869	32.978			
400	0.04	4.75	33.040	33 132			
450	0.03	5.00	32.683	32.727			
Fines	<0.03	> 5	122.824	122.876			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-C18
Sampling Date: 9/17/10
Analysis Date: 8/30/12

Container wt.: 6.151
Total wt.: 22.081
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.439	46.683			
20	0.85	0.25	43.322	43.409			
25	0.71	0.50	45.763	45.853			
30	0.6	0.75	43.252	43.354			
35	0.5	1.00	41.620	41.755			
40	0.43	1.25	39.761	39.816			
45	0.36	1.50	39.256	39.430		✓	
50	0.3	1.75	39.131	39.409		✓	
60	0.25	2.00	38.380	39.010		✓	✓
70	0.21	2.25	37.730	39.025		✓	
80	0.18	2.50	36.506	38.469			
100	0.15	2.75	34.913	36.752			
120	0.13	3.00	35.509	38.414			
140	0.11	3.25	34.839	36.917			
170	0.09	3.50	34.363	35.435			
200	0.08	3.75	33 119	33 724			
230	0.06	4.00	32.879	33.587			
270	0.05	4.25	32.948	33.215			
325	0.05	4.50	32.888	33.099			
400	0.04	4.75	33.041	33.267			
450	0.03	5.00	32.681	32.795			
Fines	<0.03	> 5	122.825	122.965			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-C22
Sampling Date: 9/17/12
Analysis Date: 9/14/12

Container wt.: 6.159
Total wt.: 16.925
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.455	46.595			
20	0.85	0.25	43.345	43.424			
25	0.71	0.50	45.806	45.926			
30	0.6	0.75	43.289	43.413			
35	0.5	1.00	41.628	41.784			
40	0.43	1.25	39.706	39.837			
45	0.36	1.50	39.261	39.427		✓	
50	0.3	1.75	39.102	39.292		✓	
60	0.25	2.00	38.328	38.662		✓	
70	0.21	2.25	37.678	38.068		✓	
80	0.18	2.50	36.461	37.126		✓	
100	0.15	2.75	34.389	35.161		✓	✓
120	0.13	3.00	35.509	36.508		✓	✓
140	0.11	3.25	34.900	35.969			✓
170	0.09	3.50	34.404	35.714			✓
200	0.08	3.75	34.851	35.956			
230	0.06	4.00	32.866	34.156			
270	0.05	4.25	32.950	33.413			
325	0.05	4.50	32.847	33.227			
400	0.04	4.75	33.031	33.309			
450	0.03	5.00	32.693	32.868			
Fines	<0.03	> 5	122.824	123.089			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 02-026
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.161
Total wt.: 18.132
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.394	46.636			
20	0.85	0.25	43.288	43.431			
25	0.71	0.50	45.731	45.959			
30	0.6	0.75	43.233	43.489			
35	0.5	1.00	41.590	41.876			
40	0.43	1.25	39.675	39.910			
45	0.36	1.50	39.228	39.519		✓	
50	0.3	1.75	39.068	39.410			
60	0.25	2.00	38.242	38.726		✓	
70	0.21	2.25	37.601	38.401			
80	0.18	2.50	36.401	37.299		✓	✓
100	0.15	2.75	34.336	35.531		✓	✓
120	0.13	3.00	35.427	36.740			✓
140	0.11	3.25	34.764	35.957			✓
170	0.09	3.50	34.326	35.387			✓
200	0.08	3.75	34.816	35.569			
230	0.06	4.00	32.851	33.760			
270	0.05	4.25	32.924	33.309			
325	0.05	4.50	32.850	33.190			
400	0.04	4.75	33.013	33.267			
450	0.03	5.00	32.650	32.880			
Fines	<0.03	> 5	122.822	123.031			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CZ-030
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.161
Total wt.: 20.698
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.407	46.963			
20	0.85	0.25	43.296	43.498			
25	0.71	0.50	45.752	46.044			
30	0.6	0.75	43.264	43.513			
35	0.5	1.00	41.607	41.864			
40	0.43	1.25	39.696	39.909		✓	
45	0.36	1.50	39.253	39.511		✓	
50	0.3	1.75	39.096	39.412		✓	
60	0.25	2.00	38.319	38.798		✓	
70	0.21	2.25	37.635	38.556		✓	
80	0.18	2.50	36.421	37.622		✓	✓
100	0.15	2.75	34.354	35.904			✓
120	0.13	3.00	35.452	37.103			
140	0.11	3.25	34.790	36.223			
170	0.09	3.50	34.345	35.497			
200	0.08	3.75	34.838	35.674			
230	0.06	4.00	32.813	33.793			
270	0.05	4.25	32.930	33.497			
325	0.05	4.50	32.861	33.311			
400	0.04	4.75	33.023	33.317			
450	0.03	5.00	32.673	32.995			
Fines	<0.03	> 5	122.821	123.116			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-034
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.157
Total wt.: 18.863
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.446	46.894			
20	0.85	0.25	43.320	43.489			
25	0.71	0.50	45.777	46.042			
30	0.6	0.75	43.279	43.545			
35	0.5	1.00	41.611	41.901			
40	0.43	1.25	39.698	39.907			
45	0.36	1.50	39.248	39.521			
50	0.3	1.75	39.095	39.391			
60	0.25	2.00	38.298	38.752		✓	
70	0.21	2.25	37.640	38.325		✓	
80	0.18	2.50	36.435	37.379		✓	
100	0.15	2.75	34.352	35.397			
120	0.13	3.00	35.450	36.641			✓
140	0.11	3.25	34.796	35.936			✓
170	0.09	3.50	34.344	35.391			✓
200	0.08	3.75	34.889	35.667			✓
230	0.06	4.00	32.866	33851			
270	0.05	4.25	32.936	33.412			
325	0.05	4.50	32.863	33.353			
400	0.04	4.75	33.020	33.381			
450	0.03	5.00	32.675	33.036			
Fines	<0.03	> 5	122.821	123.200			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 12-038
Sampling Date: 9/17/12
Analysis Date: 9/17/12

Container wt.: 6.159
Total wt.: 17.024
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.431	46.942			
20	0.85	0.25	43.317	43.593			
25	0.71	0.50	45.774	46.164			
30	0.6	0.75	43.275	43.675			
35	0.5	1.00	41.609	42.022			
40	0.43	1.25	39.696	40.031			
45	0.36	1.50	39.243	39.615		✓	
50	0.3	1.75	39.095	39.433		✓	
60	0.25	2.00	38.278	38.689			
70	0.21	2.25	37.636	38.077		✓	
80	0.18	2.50	36.428	36.972			
100	0.15	2.75	34.350	35.017			✓
120	0.13	3.00	35.447	36.230			
140	0.11	3.25	34.797	35.511			✓
170	0.09	3.50	34.343	35.048			✓
200	0.08	3.75	34.838	35.332			
230	0.06	4.00	32.866	33.643			✓
270	0.05	4.25	32.938	33.434			
325	0.05	4.50	32.865	33.384			
400	0.04	4.75	33.019	33.365			
450	0.03	5.00	32.684	33.163			
Fines	<0.03	> 5	127.822	123.155			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-042
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.161
Total wt.: 18.229
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.453	46.994			
20	0.85	0.25	43.328	43.501			
25	0.71	0.50	45.788	46.021			
30	0.6	0.75	43.280	43.503			
35	0.5	1.00	41.613	41.868			
40	0.43	1.25	39.698	39.871		✓	
45	0.36	1.50	39.251	39.459		✓	
50	0.3	1.75	39.092	39.260		✓	
60	0.25	2.00	38.285	38.481		✓	
70	0.21	2.25	37.632	37.828		✓	
80	0.18	2.50	36.425	36.664		✓	
100	0.15	2.75	34.352	34.939		✓	✓
120	0.13	3.00	35.443	37.063		✓	✓
140	0.11	3.25	34.798	36.853			✓
170	0.09	3.50	34.343	35.743			✓
200	0.08	3.75	34.836	35.659			✓
230	0.06	4.00	32.865	33.979			✓
270	0.05	4.25	32.934	33.451			
325	0.05	4.50	32.873	33.237			
400	0.04	4.75	33.026	33.339			
450	0.03	5.00	32.682	32.932			
Fines	<0.03	> 5	122.819	123.136			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CZ-046
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.162
Total wt.: 15.861
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.433	46.685			
20	0.85	0.25	43.318	43.429			
25	0.71	0.50	45.783	45.975			
30	0.6	0.75	43.271	43.427			
35	0.5	1.00	41.615	41.871		✓	
40	0.43	1.25	39.701	39.885		✓	
45	0.36	1.50	39.245	39.455		✓	
50	0.3	1.75	39.089	39.270		✓	✓
60	0.25	2.00	38.279	38.448		✓	✓
70	0.21	2.25	37.635	37.787		✓	✓
80	0.18	2.50	36.423	36.601		✓	
100	0.15	2.75	34.348	34.696		✓	
120	0.13	3.00	35.449	36.281		✓	✓
140	0.11	3.25	34.798	36.238			✓
170	0.09	3.50	34.338	35.812			✓
200	0.08	3.75	34.833	35.787			✓
230	0.06	4.00	32.861	33.979			
270	0.05	4.25	32.935	33.346			
325	0.05	4.50	32.864	33.217			
400	0.04	4.75	33.024	33.274			
450	0.03	5.00	32.684	32.832			
Fines	<0.03	> 5	122.821	123.060			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-C50
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.161
Total wt.: 20.992
Sample wt.: _____

Observations: MED SHELL FRAGS
1 GASTROPOD SHELL COMPLETE

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.421	47.753			
20	0.85	0.25	43308	43.405			
25	0.71	0.50	45.774	45.990			
30	0.6	0.75	43.262	43.588			
35	0.5	1.00	41.607	42.492			
40	0.43	1.25	39.690	40.637			
45	0.36	1.50	39.240	40.705		✓	
50	0.3	1.75	39.086	40.449		✓	✓
60	0.25	2.00	38.282	39.687			✓
70	0.21	2.25	37.630	38.878		✓	✓
80	0.18	2.50	36.417	37.651		✓	✓
100	0.15	2.75	34.350	35.514			✓
120	0.13	3.00	35.450	36.664		✓	✓
140	0.11	3.25	34.808	35.805			✓
170	0.09	3.50	34.340	34.830			✓
200	0.08	3.75	34.830	35.026			✓
230	0.06	4.00	32.862	32.984			
270	0.05	4.25	32.938	32.990			
325	0.05	4.50	32.864	32.894			
400	0.04	4.75	33.024	33.045			
450	0.03	5.00	32.684	32.689			
Fines	<0.03	> 5	122.829	122.859			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-054
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.160
Total wt.: 21.972
Sample wt.: _____

Observations: MUD SHELL FRAGS

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.419	46.626			
20	0.85	0.25	43.308	43.366			
25	0.71	0.50	45.770	45.929			
30	0.6	0.75	43.262	43.486			
35	0.5	1.00	41.611	42.245			
40	0.43	1.25	39.700	40.476		✓	
45	0.36	1.50	39.255	40.601		✓	
50	0.3	1.75	39.098	40.637		✓	
60	0.25	2.00	38.295	40.046		✓	
70	0.21	2.25	37.630	39.361		✓	✓
80	0.18	2.50	36.430	38.181		✓	✓
100	0.15	2.75	34.352	35.925		✓	✓
120	0.13	3.00	35.453	37.063			✓
140	0.11	3.25	34.816	36.200			✓
170	0.09	3.50	34.343	34.974			✓
200	0.08	3.75	34.826	35.049			
230	0.06	4.00	32.860	32.969			
270	0.05	4.25	32.932	32.964			
325	0.05	4.50	32.869	32.873			
400	0.04	4.75	33.020	33.026			
450	0.03	5.00	32.672	32.673			
Fines	<0.03	> 5	122.820	122.824			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-058
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.158
Total wt.: 21.046
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.416	46.493			
20	0.85	0.25	43.307	43.329			
25	0.71	0.50	45.776	45.860			
30	0.6	0.75	43.261	43.424			
35	0.5	1.00	41.612	42.203			
40	0.43	1.25	39.701	40.558		✓	
45	0.36	1.50	39.260	40.985		✓	
50	0.3	1.75	39.114	40.978		✓	
60	0.25	2.00	38.310	40.092		✓	
70	0.21	2.25	37.632	39.178		✓	✓
80	0.18	2.50	36.428	37.997		✓	✓
100	0.15	2.75	34.364	35.709		✓	✓
120	0.13	3.00	35.455	36.834			✓
140	0.11	3.25	34.809	35.948			✓
170	0.09	3.50	34.359	34.796			✓
200	0.08	3.75	34.825	34.981			
230	0.06	4.00	32.859	32.931			
270	0.05	4.25	32.933	32.952			
325	0.05	4.50	32.869	32.846			
400	0.04	4.75	33.020	33.021			
450	0.03	5.00	32.670	32.470			
Fines	<0.03	> 5	122.82	122.825			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CZ-062
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.158
Total wt.: 20.957
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.416	46.458			
20	0.85	0.25	43.306	43.320			
25	0.71	0.50	45.768	45.805			
30	0.6	0.75	43.268	43.314			
35	0.5	1.00	41.610	41.818			
40	0.43	1.25	39.709	39.990			
45	0.36	1.50	39.273	39.849		✓	
50	0.3	1.75	39.116	39.829		✓	
60	0.25	2.00	38.348	39.317		✓	✓
70	0.21	2.25	37.635	38.911		✓	✓
80	0.18	2.50	36.456	38.249		✓	✓
100	0.15	2.75	34.363	36.754			✓
120	0.13	3.00	35.451	36.313			✓
140	0.11	3.25	34.816	36.971			✓
170	0.09	3.50	34.370	35.082		✓	✓
200	0.08	3.75	34.829	35.081			✓
230	0.06	4.00	32.856	33.030			✓
270	0.05	4.25	32.930	33.029			
325	0.05	4.50	32.856	32.922			
400	0.04	4.75	32.017	33.054			
450	0.03	5.00	32.668	32.678			
Fines	<0.03	> 5	122.821	122.840			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-066
Sampling Date: 9/17/12
Analysis Date: 9/17/12

Container wt.: 6.158
Total wt.: 20.272
Sample wt.:

Observations: MOD. SHELL FRAGS

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.415	46.523			
20	0.85	0.25	43.306	43.330			
25	0.71	0.50	45.760	45.822			
30	0.6	0.75	43.254	43359			
35	0.5	1.00	41.611	41.939			
40	0.43	1.25	39.704	40.127			
45	0.36	1.50	39.278	40.040		✓	
50	0.3	1.75	39.110	39.887		✓	
60	0.25	2.00	38.349	39.222		✓	
70	0.21	2.25	37.640	38.672		✓	✓
80	0.18	2.50	36.473	37.831		✓	✓
100	0.15	2.75	34.373	36.384		✓	✓
120	0.13	3.00	35.474	37.995			✓
140	0.11	3.25	34.805	36.839			✓
170	0.09	3.50	34.370	35.158			✓
200	0.08	3.75	34.828	35.157			✓
230	0.06	4.00	32.859	33.107			
270	0.05	4.25	32.932	33.050			
325	0.05	4.50	32.859	32.930			
400	0.04	4.75	33.019	33.061			
450	0.03	5.00	32.664	32.679			
Fines	<0.03	> 5	122.821	122.841			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-070
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.159
Total wt.: 19.976
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.412	46.578			
20	0.85	0.25	43.301	43.319			
25	0.71	0.50	45.753	45.802			
30	0.6	0.75	43.256	43.303			
35	0.5	1.00	41.608	41.660			
40	0.43	1.25	39.701	39.820		✓	
45	0.36	1.50	39.280	39.476		✓	
50	0.3	1.75	39.115	39.331		✓	
60	0.25	2.00	38.329	38.644		✓	
70	0.21	2.25	37.698	38.047		✓	
80	0.18	2.50	36.449	37.207		✓	
100	0.15	2.75	34.385	36.215		✓	✓
120	0.13	3.00	35.467	39.284			✓
140	0.11	3.25	34.817	38.024			✓
170	0.09	3.50	34.379	35.588			✓
200	0.08	3.75	34.829	35.270			✓
230	0.06	4.00	32.855	33.224			
270	0.05	4.25	32.932	33.123			
325	0.05	4.50	32.859	32.994			
400	0.04	4.75	33.016	33.116			
450	0.03	5.00	32.664	32.709			
Fines	<0.03	> 5	122.823	122.891			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CZ-074
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.158
Total wt.: 19.522
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.414	46.692			
20	0.85	0.25	43.303	43.376			
25	0.71	0.50	45.757	45.845			
30	0.6	0.75	43.258	43.370			
35	0.5	1.00	41.609	41.866			
40	0.43	1.25	39.709	39.995		✓	
45	0.36	1.50	39.272	39.787		✓	
50	0.3	1.75	39.106	39.662		✓	
60	0.25	2.00	38.368	38.902		✓	
70	0.21	2.25	37.640	38.076		✓	
80	0.18	2.50	36.480	37.011		✓	✓
100	0.15	2.75	34.391	35.851		✓	✓
120	0.13	3.00	35.472	38.704			✓
140	0.11	3.25	34.810	37.743			✓
170	0.09	3.50	34.374	35.412			✓
200	0.08	3.75	34.830	35.152			✓
230	0.06	4.00	32.857	33.073			✓
270	0.05	4.25	32.931	33.053			
325	0.05	4.50	32.858	32.944			
400	0.04	4.75	33.021	33.088			
450	0.03	5.00	32.667	32.694			
Fines	<0.03	> 5	122.822	122.891			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-078
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.160
Total wt.: 21.429
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.412	46.530			
20	0.85	0.25	43.306	43.349			
25	0.71	0.50	45.752	45.831			
30	0.6	0.75	43.258	43.361			
35	0.5	1.00	41.608	41.891			
40	0.43	1.25	39.704	40.038		✓	
45	0.36	1.50	39.276	39.960		✓	
50	0.3	1.75	39.113	39.812		✓	
60	0.25	2.00	38.437	39.051		✓	
70	0.21	2.25	37.641	38.161		✓	
80	0.18	2.50	36.440	37.103		✓	✓
100	0.15	2.75	34.387	35.899		✓	✓
120	0.13	3.00	35.489	38.981			✓
140	0.11	3.25	34.824	38.107			✓
170	0.09	3.50	34.375	35.664			✓
200	0.08	3.75	34.829	35.341			✓
230	0.06	4.00	32.858	33.231			
270	0.05	4.25	32.933	33.113			
325	0.05	4.50	32.858	33.006			
400	0.04	4.75	33.020	33.129			
450	0.03	5.00	32.664	32.717			
Fines	<0.03	> 5	122.821	122.901			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CZ-082
Sampling Date: 9/17/10
Analysis Date: 9/17/12

Container wt.: 6.160
Total wt.: 18.600
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.413	46.821			
20	0.85	0.25	43.306	43.365			
25	0.71	0.50	45.754	45.837			
30	0.6	0.75	43.258	43.333			
35	0.5	1.00	41.609	41.756			
40	0.43	1.25	39.708	39.881			
45	0.36	1.50	39.274	39.557		✓	
50	0.3	1.75	39.109	39.396		✓	
60	0.25	2.00	38.323	38.648		✓	✓
70	0.21	2.25	37.641	37.946		✓	✓
80	0.18	2.50	36.446	36.868		✓	✓
100	0.15	2.75	34.385	35.382		✓	✓
120	0.13	3.00	35.474	37.885			✓
140	0.11	3.25	34.832	37.990			✓
170	0.09	3.50	34.367	35.681			✓
200	0.08	3.75	34.829	35.443			✓
230	0.06	4.00	32.856	33.421			
270	0.05	4.25	32.933	33.211			
325	0.05	4.50	32.859	33.061			
400	0.04	4.75	33.022	33.162			
450	0.03	5.00	32.667	32.727			
Fines	<0.03	> 5	122.821	122.906			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-C86
Sampling Date: 9/17/16
Analysis Date: 9/18/12

Container wt.: 6.162
Total wt.: 16.799
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.430	46.689			
20	0.85	0.25	43.322	43.410			
25	0.71	0.50	45.768	45.941			
30	0.6	0.75	43.274	43.425			
35	0.5	1.00	41.624	41.857			
40	0.43	1.25	39.721	39.932			
45	0.36	1.50	39.289	39.571		✓	
50	0.3	1.75	39.120	39.413		✓	
60	0.25	2.00	38.333	38.639		✓	
70	0.21	2.25	37.653	37.960		✓	
80	0.18	2.50	36.456	36.882		✓	✓
100	0.15	2.75	34.402	35.219		✓	✓
120	0.13	3.00	35.487	37.177		✓	✓
140	0.11	3.25	34.847	36.561			✓
170	0.09	3.50	34.386	35.573			✓
200	0.08	3.75	34.847	35.450			✓
230	0.06	4.00	32.874	33.613			
270	0.05	4.25	32.947	33.359			
325	0.05	4.50	32.873	33.202			
400	0.04	4.75	33.036	33.246			
450	0.03	5.00	32.684	32.852			
Fines	<0.03	> 5	122.825	122.874			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CZ-090
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.162
Total wt.: 18.465
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.432	46.636			
20	0.85	0.25	43.327	43.430			
25	0.71	0.50	45.777	45.940			
30	0.6	0.75	43.287	43.420			
35	0.5	1.00	41.630	41.820			
40	0.43	1.25	39.730	39.883		✓	
45	0.36	1.50	39.296	39.492		✓	
50	0.3	1.75	39.131	39.339		✓	
60	0.25	2.00	38.337	38.579		✓	
70	0.21	2.25	37.664	37.915		✓	✓
80	0.18	2.50	36.463	36.879		✓	✓
100	0.15	2.75	34.405	35.352		✓	✓
120	0.13	3.00	35.500	37.555		✓	✓
140	0.11	3.25	34.882	37.017			✓
170	0.09	3.50	34.388	35.732			✓
200	0.08	3.75	34.847	35.570			✓
230	0.06	4.00	32.875	33.870			✓
270	0.05	4.25	32.954	33.514			
325	0.05	4.50	32.875	33.338			
400	0.04	4.75	33.038	33.358			
450	0.03	5.00	32.688	32.964			
Fines	<0.03	> 5	122.826	122.968			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-C94
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.163
Total wt.: 20.602
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.432	46.615			
20	0.85	0.25	43.328	43.397			
25	0.71	0.50	45.782	45.876			
30	0.6	0.75	43.286	43.364			
35	0.5	1.00	41.626	41.732			
40	0.43	1.25	39.730	39.806			
45	0.36	1.50	39.290	39.391		✓	
50	0.3	1.75	39.125	39.212		✓	
60	0.25	2.00	38.332	38.456		✓	
70	0.21	2.25	37.658	37.846		✓	
80	0.18	2.50	36.458	37.073		✓	
100	0.15	2.75	34.396	36.478		✓	✓
120	0.13	3.00	35.498	39.722		✓	✓
140	0.11	3.25	34.872	37.778			✓
170	0.09	3.50	34.387	35.482			✓
200	0.08	3.75	34.845	35.364			
230	0.06	4.00	32.872	33.492			
270	0.05	4.25	32.949	33.350			
325	0.05	4.50	32.876	33.087			
400	0.04	4.75	33.033	33.271			
450	0.03	5.00	32.685	32.863			
Fines	<0.03	> 5	122.826	122.947			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-098
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.162
Total wt.: ~~9~~.20.048
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.431	46.502			
20	0.85	0.25	43.326	~~4~~3.347			
25	0.71	0.50	45.777	45.805			
30	0.6	0.75	43.281	43.310			
35	0.5	1.00	41.626	41.660		✓	
40	0.43	1.25	39.723	39.747		✓	
45	0.36	1.50	39.292	39.326		✓	
50	0.3	1.75	39.120	39.165		✓	
60	0.25	2.00	38.329	38.401		✓	
70	0.21	2.25	37.651	37.780		✓	
80	0.18	2.50	36.455	36.908		✓	
100	0.15	2.75	34.400	36.893		✓	✓
120	0.13	3.00	35.509	~~4~~0.704		✓	✓
140	0.11	3.25	34.869	37.770			✓
170	0.09	3.50	34.396	35.~~2~~170			✓
200	0.08	3.75	34.840	35.205			✓
230	0.06	4.00	32.871	33.236			✓
270	0.05	4.25	32.948	33.183			
325	0.05	4.50	32.871	33.056			
400	0.04	4.75	33.031	33.162			
450	0.03	5.00	32.686	32.771			
Fines	<0.03	> 5	122.824	122.888			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-102
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.162
Total wt.: 21.757
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.426	46.561			
20	0.85	0.25	43.325	43.379			
25	0.71	0.50	45.773	45.874			
30	0.6	0.75	43.277	43.407			
35	0.5	1.00	41.622	41.917			
40	0.43	1.25	39.720	40.123			
45	0.36	1.50	39.286	40.246			
50	0.3	1.75	39.116	40.954		✓	
60	0.25	2.00	38.328	41.315		✓	
70	0.21	2.25	37.649	40.548		✓	✓
80	0.18	2.50	36.451	38.617			✓
100	0.15	2.75	34.394	35.968			✓
120	0.13	3.00	35.511	36.761			✓
140	0.11	3.25	34.860	35.945			✓
170	0.09	3.50	34.389	34.478			
200	0.08	3.75	34.840	34.864			
230	0.06	4.00	32.869	32.885			
270	0.05	4.25	32.945	32.955			
325	0.05	4.50	32.869	32.870			
400	0.04	4.75	33.031	33.031			
450	0.03	5.00	32.691	32.687			
Fines	<0.03	> 5	122.826	122.833			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-106
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.159
Total wt.: 18.617
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.424	46.463			
20	0.85	0.25	43.321	43.332			
25	0.71	0.50	45.767	45.809			
30	0.6	0.75	43.276	43.330			
35	0.5	1.00	41.622	41.837			
40	0.43	1.25	39.723	40.114			
45	0.36	1.50	39.299	40.585		✓	
50	0.3	1.75	39.131	41.637		✓	✓
60	0.25	2.00	38.343	41.251		✓	✓
70	0.21	2.25	37.649	39.631		✓	✓
80	0.18	2.50	36.463	37.673			✓
100	0.15	2.75	34.390	35.169			✓
120	0.13	3.00	35.489	36.125			✓
140	0.11	3.25	34.832	35.134			✓
170	0.09	3.50	34.379	34.429			
200	0.08	3.75	34.835	34.846			
230	0.06	4.00	32.865	32.871			
270	0.05	4.25	32.939	32.943			
325	0.05	4.50	32.862	32.864			
400	0.04	4.75	33.025	33.027			
450	0.03	5.00	32.680	32.681			
Fines	<0.03	> 5	122.826	122.829			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CZ-110
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.157
Total wt.: 72.891
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.425	46.420			
20	0.85	0.25	43.319	43.327			
25	0.71	0.50	45.767	45.777			
30	0.6	0.75	43.271	43.300			
35	0.5	1.00	41.618	41.717			
40	0.43	1.25	39.722	39.947		✓	
45	0.36	1.50	39.301	40.128		✓	
50	0.3	1.75	39.129	41.433		✓	✓
60	0.25	2.00	38.412	41.859		✓	
70	0.21	2.25	37.658	40.031		✓	✓
80	0.18	2.50	36.487	38.311		✓	✓
100	0.15	2.75	34.395	35.983			✓
120	0.13	3.00	35.478	37.594			✓
140	0.11	3.25	34.825	36.141			✓
170	0.09	3.50	34.377	34.617			✓
200	0.08	3.75	34.836	34.880			
230	0.06	4.00	32.865	32.896			
270	0.05	4.25	32.941	32.950			
325	0.05	4.50	32.864	32.868			
400	0.04	4.75	33.024	33.029			
450	0.03	5.00	32.678	32.678			
Fines	<0.03	> 5	122.824	122.527			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-114
Sampling Date: 9/18/10
Analysis Date: 9/18/12

Container wt.: 6.159
Total wt.: 21.728
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.417	46.419			
20	0.85	0.25	43.316	43.319			
25	0.71	0.50	45.763	45.772			
30	0.6	0.75	43.269	43.298			
35	0.5	1.00	41.619	41.692			
40	0.43	1.25	39.722	39.872			
45	0.36	1.50	39.298	39.824		✓	
50	0.3	1.75	39.140	40.595		✓	
60	0.25	2.00	38.445	41.193		✓	
70	0.21	2.25	37.662	40.221		✓	✓
80	0.18	2.50	36.456	38.319		✓	✓
100	0.15	2.75	34.403	36.265		✓	✓
120	0.13	3.00	35.498	37.751			✓
140	0.11	3.25	34.892	36.338			✓
170	0.09	3.50	34.385	34.665			✓
200	0.08	3.75	34.834	34.890			✓
230	0.06	4.00	32.864	32.894			✓
270	0.05	4.25	32.941	32.952			
325	0.05	4.50	32.863	32.870			
400	0.04	4.75	33.024	33.030			
450	0.03	5.00	32.675	32.677			
Fines	<0.03	> 5	122.821	132.828			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-118
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.160
Total wt.: 19.973
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.415	46.447			
20	0.85	0.25	43.314	43.319			
25	0.71	0.50	45.764	45.769			
30	0.6	0.75	43.269	43.291			
35	0.5	1.00	41.616	41.675			
40	0.43	1.25	39.719	39.837			
45	0.36	1.50	39.298	39.735		✓	
50	0.3	1.75	39.134	40.445		✓	
60	0.25	2.00	38.378	41.253		✓	✓
70	0.21	2.25	37.653	40.926		✓	✓
80	0.18	2.50	36.456	38.736			✓
100	0.15	2.75	34.407	35.842			✓
120	0.13	3.00	35.505	36.566			✓
140	0.11	3.25	34.847	35.402			✓
170	0.09	3.50	34.382	34.492			
200	0.08	3.75	34.833	34.853			
230	0.06	4.00	32.864	32.873			
270	0.05	4.25	32.939	32.942			
325	0.05	4.50	32.862	32.862			
400	0.04	4.75	33.025	33.025			
450	0.03	5.00	32.673	32.673			
Fines	<0.03	> 5	122.823	122.826			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-122
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.159
Total wt.: 19.742
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.414	46.418			
20	0.85	0.25	43.314	43.318			
25	0.71	0.50	45.760	45.765			
30	0.6	0.75	43.267	43.282			
35	0.5	1.00	41.616	41.656			
40	0.43	1.25	39.716	39.791			
45	0.36	1.50	39.300	39.557		✓	
50	0.3	1.75	39.136	39.973		✓	
60	0.25	2.00	38.408	40.231		✓	
70	0.21	2.25	37.666	40.140		✓	✓
80	0.18	2.50	36.482	38.471		✓	✓
100	0.15	2.75	34.404	36.146			✓
120	0.13	3.00	35.518	37.512			✓
140	0.11	3.25	34.831	36.283			✓
170	0.09	3.50	34.375	34.664			✓
200	0.08	3.75	34.833	34.888			
230	0.06	4.00	32.862	32.893			
270	0.05	4.25	32.938	32.949			
325	0.05	4.50	32.862	32.864			
400	0.04	4.75	33.023	33.025			
450	0.03	5.00	32.671	32.672			
Fines	<0.03	> 5	122.828	122.831			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-026
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.158
Total wt.: 18.946
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.414	46.420			
20	0.85	0.25	43.315	43.316			
25	0.71	0.50	45.762	45.767			
30	0.6	0.75	43.268	43.284			
35	0.5	1.00	41.616	41.661			
40	0.43	1.25	39.718	39.799			
45	0.36	1.50	39.304	39.616			
50	0.3	1.75	39.144	39.946		✓	✓
60	0.25	2.00	38.428	40.071		✓	✓
70	0.21	2.25	37.676	39.252		✓	✓
80	0.18	2.50	36.493	37.760		✓	✓
100	0.15	2.75	34.415	36.094		✓	✓
120	0.13	3.00	35.505	38.271			✓
140	0.11	3.25	34.840	36.776			✓
170	0.09	3.50	34.391	34.754			✓
200	0.08	3.75	34.831	34.910			
230	0.06	4.00	32.861	32.903			
270	0.05	4.25	32.935	32.958			
325	0.05	4.50	32.859	32.874			
400	0.04	4.75	33.021	33.030			
450	0.03	5.00	32.671	32.673			
Fines	<0.03	> 5	122.823	122.828			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CZ-130
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.158
Total wt.: 21.391
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.413	46.490			
20	0.85	0.25	43.314	43.323			
25	0.71	0.50	45.760	45.766			
30	0.6	0.75	43.265	43.292			
35	0.5	1.00	41.614	41.670			
40	0.43	1.25	39.717	39.840			
45	0.36	1.50	39.303	39.690		✓	
50	0.3	1.75	31.136	40.215		✓	
60	0.25	2.00	38.446	40.831		✓	
70	0.21	2.25	37.676	40.223		✓	
80	0.18	2.50	36.490	38.413		✓	✓
100	0.15	2.75	34.413	36.302		✓	✓
120	0.13	3.00	35.506	38.023			✓
140	0.11	3.25	34.843	36.536			✓
170	0.09	3.50	34.412	34.727			✓
200	0.08	3.75	34.833	34.898			✓
230	0.06	4.00	32.863	32.899			
270	0.05	4.25	32.937	32.953			
325	0.05	4.50	32.861	32.871			
400	0.04	4.75	33.022	33.030			
450	0.03	5.00	32.669	32.672			
Fines	<0.03	> 5	122.822	122.829			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-134
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.158
Total wt.: 21.782
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.413	46.435			
20	0.85	0.25	43.314	43.317			
25	0.71	0.50	45.760	45.773			
30	0.6	0.75	43.765	43.293			
35	0.5	1.00	41.614	41.683			
40	0.43	1.25	39.717	39.855		✓	
45	0.36	1.50	39.305	39.766		✓	
50	0.3	1.75	39.139	40.427		✓	
60	0.25	2.00	38.474	41.373		✓	
70	0.21	2.25	37.684	41.169		✓	✓
80	0.18	2.50	36.511	39.151		✓	✓
100	0.15	2.75	34.415	36.177			✓
120	0.13	3.00	35.507	37.079			✓
140	0.11	3.25	34.861	35.673			✓
170	0.09	3.50	34.440	34.599		✓	✓
200	0.08	3.75	34.832	34.863			
230	0.06	4.00	32.863	32.879			
270	0.05	4.25	32.936	32.943			
325	0.05	4.50	32.860	32.864			
400	0.04	4.75	33.022	33.025			
450	0.03	5.00	32.660	32.668			
Fines	<0.03	> 5	122.824	122.829			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-138
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.158
Total wt.: 21.384
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.414	46.420			
20	0.85	0.25	43315	43.314			
25	0.71	0.50	45.762	45.765			
30	0.6	0.75	43.267	43.289			
35	0.5	1.00	41.614	41.647			
40	0.43	1.25	39.718	39.794			
45	0.36	1.50	39.310	39.584			
50	0.3	1.75	39.144	40,104		✓	
60	0.25	2.00	38.464	41.288		✓	
70	0.21	2.25	37.680	41.411		✓	✓
80	0.18	2.50	36.492	39.241		✓	✓
100	0.15	2.75	34.414	36.254		✓	✓
120	0.13	3.00	35.500	34.997			✓
140	0.11	3.25	34844	35.607			✓
170	0.09	3.50	34.398	34.529			
200	0.08	3.75	34.831	34.857			
230	0.06	4.00	32.862	32.874			
270	0.05	4.25	32.937	32.940			
325	0.05	4.50	32.860	32.861			
400	0.04	4.75	33.020	33.024			
450	0.03	5.00	32.667	32.667			
Fines	<0.03	> 5	122.822	122.822			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-142
Sampling Date: 9/17/10
Analysis Date: 9/18/12

Container wt.: 6.158
Total wt.: 28.022
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.411	46.411			
20	0.85	0.25	43.314	43317			
25	0.71	0.50	45.758	45.772			
30	0.6	0.75	43.265	43.297			
35	0.5	1.00	41.612	41.689			
40	0.43	1.25	39.714	39.881			
45	0.36	1.50	34.308	39.914		✓	
50	0.3	1.75	39.149	41.075		✓	
60	0.25	2.00	38.489	42.214		✓	✓
70	0.21	2.25	37.687	41.792		✓	✓
80	0.18	2.50	36.487	39.177		✓	✓
100	0.15	2.75	34.423	35.954			✓
120	0.13	3.00	35.508	36.644			✓
140	0.11	3.25	34.833	35.368			✓
170	0.09	3.50	34.384	34.487			
200	0.08	3.75	34.831	34.850			
230	0.06	4.00	32.862	32869			
270	0.05	4.25	32.936	32.937			
325	0.05	4.50	32.860	32.860			
400	0.04	4.75	33.021	33.021			
450	0.03	5.00	32.666	32.666			
Fines	<0.03	> 5	122.822	122.822			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-146
Sampling Date: 9/17/10
Analysis Date: 9/19/12

Container wt.: 6.155
Total wt.: 22.150
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.415	46.434			
20	0.85	0.25	43.314	43.318			
25	0.71	0.50	45.762	45.776			
30	0.6	0.75	43.266	43.297			
35	0.5	1.00	41.613	41.677			
40	0.43	1.25	39.718	39.857			
45	0.36	1.50	39.308	39.764			
50	0.3	1.75	34.155	40.454		✓	
60	0.25	2.00	38.447	41.648		✓	
70	0.21	2.25	37.687	41.376		✓	✓
80	0.18	2.50	36.488	39.244		✓	✓
100	0.15	2.75	34.420	36.298			✓
120	0.13	3.00	35.510	36.946			✓
140	0.11	3.25	34.835	35.524			✓
170	0.09	3.50	34.386	34.537			✓
200	0.08	3.75	34.832	34.865			
230	0.06	4.00	32.864	32.878			
270	0.05	4.25	32.938	32.940			
325	0.05	4.50	32.862	32.863			
400	0.04	4.75	33.022	33.025			
450	0.03	5.00	32.668	32.668			
Fines	<0.03	> 5	122.821	122.821			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-150
Sampling Date: 9/17/10
Analysis Date: 9/19/12

Container wt.: 6.157
Total wt.: 20.744
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.415	46.420			
20	0.85	0.25	43.313	43.313			
25	0.71	0.50	45.761	45.771			
30	0.6	0.75	43.265	43.281			
35	0.5	1.00	41.613	41.668			
40	0.43	1.25	39.716	39.838			
45	0.36	1.50	39.311	39.767		✓	
50	0.3	1.75	39.159	40.547		✓	
60	0.25	2.00	38.458	41.609		✓	
70	0.21	2.25	37.702	40.741			
80	0.18	2.50	36.497	38.933		✓	
100	0.15	2.75	34.426	36.097		✓	✓
120	0.13	3.00	35.505	36.866			✓
140	0.11	3.25	34.832	35.476			✓
170	0.09	3.50	34.382	34.517			✓
200	0.08	3.75	34.833	34.859			
230	0.06	4.00	32.863	32.874			
270	0.05	4.25	32.937	32.940			
325	0.05	4.50	32.860	32.861			
400	0.04	4.75	33.022	33.023			
450	0.03	5.00	32.667	32.669			
Fines	<0.03	> 5	122.~~820~~	122.822			

820

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-154
Sampling Date: 9/17/10
Analysis Date: 9/19/12

Container wt.: 6.158
Total wt.: 20.035
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.411	46.452			
20	0.85	0.25	43.309	43.317			
25	0.71	0.50	45.759	45.773			
30	0.6	0.75	43.263	43.284			
35	0.5	1.00	41.611	41.662			
40	0.43	1.25	39.714	39.808			
45	0.36	1.50	39.310	39.628			
50	0.3	1.75	39.159	40.161		✓	
60	0.25	2.00	38.443	40.863		✓	
70	0.21	2.25	37.712	40.521			
80	0.18	2.50	36.503	38.973		✓	✓
100	0.15	2.75	34.427	36.173			✓
120	0.13	3.00	35.499	37.118			✓
140	0.11	3.25	34.826	35.671			✓
170	0.09	3.50	34.382	34.561			✓
200	0.08	3.75	34.829	34.875			
230	0.06	4.00	32.862	32.881			
270	0.05	4.25	32.935	32.944			
325	0.05	4.50	32.858	32.864			
400	0.04	4.75	33.020	33.024			
450	0.03	5.00	32.665	32.666			
Fines	<0.03	> 5	122.820	122.823			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-158
Sampling Date: 9/17/10
Analysis Date: 9/19/12

Container wt.: 6.156
Total wt.: 20.292
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.412	46.473			
20	0.85	0.25	43.311	43.312			
25	0.71	0.50	45.760	45.764			
30	0.6	0.75	43.265	43.289			
35	0.5	1.00	41.612	41.642			
40	0.43	1.25	39.717	39.788			
45	0.36	1.50	39.311	39.577		✓	
50	0.3	1.75	39.173	39.955		✓	
60	0.25	2.00	38.553	40.772		✓	
70	0.21	2.25	37.705	40.607		–	
80	0.18	2.50	36.562	39.179		✓	
100	0.15	2.75	34.447	36.509			
120	0.13	3.00	35.521	37.231			✓
140	0.11	3.25	34.831	35.712			–
170	0.09	3.50	34.380	34.586			✓
200	0.08	3.75	34.829	34.880			
230	0.06	4.00	32.861	32.888			
270	0.05	4.25	32.935	32.951			
325	0.05	4.50	32.859	32.868			
400	0.04	4.75	33.021	33.027			
450	0.03	5.00	32.665	32.866			
Fines	<0.03	> 5	122.821	122.826			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 02-162
Sampling Date: 9/17/10
Analysis Date: 9/19/12

Container wt.: 6.158
Total wt.: 20.063
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.410	46.525			
20	0.85	0.25	43.310	43.324			
25	0.71	0.50	45.759	45.783			
30	0.6	0.75	43.262	43.289			
35	0.5	1.00	41.611	41.661			
40	0.43	1.25	39.716	39.782			
45	0.36	1.50	39.313	39.486		✓	
50	0.3	1.75	39.165	39.643		✓	
60	0.25	2.00	38.632	39.917		✓	
70	0.21	2.25	37.711	40.214		✓	✓
80	0.18	2.50	36.573	39.521			✓
100	0.15	2.75	34.443	36.858			✓
120	0.13	3.00	35.522	37.539			✓
140	0.11	3.25	34.836	35.863			✓
170	0.09	3.50	34.379	34.669			✓
200	0.08	3.75	34.828	34.899			
230	0.06	4.00	32.860	32.914			
270	0.05	4.25	32.935	32.971			
325	0.05	4.50	32.858	32.887			
400	0.04	4.75	33.020	33.045			
450	0.03	5.00	32.664	32.676			
Fines	<0.03	> 5	122.824	122.865			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-166
Sampling Date: 9/17/10
Analysis Date: 9/19/12
Container wt.: 6.160
Total wt.: 19.830
Sample wt.:

Observations: REDDISH BROWN COARSE SAND

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.480	46.428			
20	0.85	0.25	43.312	43.319			
25	0.71	0.50	45.760	45.781			
30	0.6	0.75	43.263	43.292			
35	0.5	1.00	41.609	41.662			
40	0.43	1.25	39.716	39.778			
45	0.36	1.50	39.309	39.460		✓	
50	0.3	1.75	39.160	39.528		✓	
60	0.25	2.00	38.489	39.708		✓	
70	0.21	2.25	37.712	40.197			
80	0.18	2.50	36.565	39.551			
100	0.15	2.75	34.453	36.962			
120	0.13	3.00	35.520	37.339			✓
140	0.11	3.25	34.836	35.724			✓
170	0.09	3.50	34.381	34.625			✓
200	0.08	3.75	34.828	34.923			
230	0.06	4.00	32.860	32.964			
270	0.05	4.25	32.935	33.028			
325	0.05	4.50	32.859	32.941			
400	0.04	4.75	33.022	33.102			
450	0.03	5.00	32.666	32.712			
Fines	<0.03	> 5	122.880	122.928	REDDISH BROWN		

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-170
Sampling Date: 9/17/10
Analysis Date: 9/19/12

Container wt.: 6.162
Total wt.: 20.692
Sample wt.: _____

Observations: REDDISH-BROWN

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.468	47.063			
20	0.85	0.25	43.312	43.378			
25	0.71	0.50	45.761	45.842			
30	0.6	0.75	43.264	43.326			
35	0.5	1.00	41.611	41.700			
40	0.43	1.25	39.717	39.803			
45	0.36	1.50	39.309	39.474			
50	0.3	1.75	39.156	39.535		–	
60	0.25	2.00	38.406	39.719		✓	
70	0.21	2.25	37.709	40.067		✓	
80	0.18	2.50	36.511	39.532			✓
100	0.15	2.75	34.460	37.023			✓
120	0.13	3.00	35.512	37.535			✓
140	0.11	3.25	34.833	35.742			✓
170	0.09	3.50	34.377	34.580			✓
200	0.08	3.75	34.527	34.905			✓
230	0.06	4.00	32.860	32.947			
270	0.05	4.25	32.938	33.005			
325	0.05	4.50	32.865	32.924			
400	0.04	4.75	33.029	33.085			
450	0.03	5.00	32.674	32.706			
Fines	<0.03	> 5	122.822	122.901	SOME REDDISH-BROWN		

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-174
Sampling Date: 9/17/10
Analysis Date: 9/19/12

Container wt.: 6.163
Total wt.: 18.497
Sample wt.:

Observations: REDDISH BROWN

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.407	46.429			
20	0.85	0.25	43.311	43.323			
25	0.71	0.50	45.762	45.786			
30	0.6	0.75	43.265	43.296			
35	0.5	1.00	41.613	41.649			
40	0.43	1.25	39.715	39.772			
45	0.36	1.50	39.309	39.443			
50	0.3	1.75	39.154	39.492		✓	
60	0.25	2.00	38.429	39.583			✓
70	0.21	2.25	37.719	39.998		✓	✓
80	0.18	2.50	36.565	39.377			✓
100	0.15	2.75	34.435	36.692			✓
120	0.13	3.00	35.510	37.227			✓
140	0.11	3.25	34.830	35.609			✓
170	0.09	3.50	34.373	34.551			✓
200	0.08	3.75	34.827	34.894			✓
230	0.06	4.00	32.860	32.932			✓
270	0.05	4.25	32.939	32.997			
325	0.05	4.50	32.863	32.916			
400	0.04	4.75	33.030	33.080			
450	0.03	5.00	32.689	32.788			
Fines	<0.03	> 5	122.821	122.906	SOME REDDISH BROWN		

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-178
Sampling Date: 9/17/10
Analysis Date: 9/19/12

Container wt.: 6.164
Total wt.: 22.055
Sample wt.:

Observations: SLIGHTLY REDDISH BROWN

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.408	46.520			
20	0.85	0.25	43.311	43.345			
25	0.71	0.50	45.763	45.816			
30	0.6	0.75	43.264	43.335			
35	0.5	1.00	41.611	41.744			
40	0.43	1.25	39.717	39.872			
45	0.36	1.50	39.309	39.457			
50	0.3	1.75	39.151	39.844		✓	
60	0.25	2.00	38.428	40.178		✓	
70	0.21	2.25	37.709	40.269		✓	✓
80	0.18	2.50	36.594	39.486		✓	✓
100	0.15	2.75	34.434	34.813			✓
120	0.13	3.00	35.519	37.702			✓
140	0.11	3.25	34.832	36.136			✓
170	0.09	3.50	34.374	34.770			✓
200	0.08	3.75	34.825	34.966			
230	0.06	4.00	32.861	32.992			
270	0.05	4.25	32.940	33.092			
325	0.05	4.50	32.864	32.955			
400	0.04	4.75	33.032	33.116			
450	0.03	5.00	32.685	32.736			
Fines	<0.03	> 5	122.825	122.940			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-182
Sampling Date: 9/17/10
Analysis Date: 9/19/12

Container wt.: 6.164
Total wt.: 20.139
Sample wt.: _____

Observations: SLIGHTLY REDDISH BROWN

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.468	46.434			
20	0.85	0.25	43.312	43.330			
25	0.71	0.50	45.762	45.796			
30	0.6	0.75	43.264	43.306			
35	0.5	1.00	41.611	41.708			
40	0.43	1.25	39.719	39.836			
45	0.36	1.50	39.308	39.639			
50	0.3	1.75	39.158	39.518		✓	
60	0.25	2.00	38.441	39.926		✓	
70	0.21	2.25	37.723	39.841			
80	0.18	2.50	36.549	39.032			✓
100	0.15	2.75	34.437	36.369			✓
120	0.13	3.00	35.519	37.521			
140	0.11	3.25	34.841	36.197			✓
170	0.09	3.50	34.377	34.506			✓
200	0.08	3.75	34.828	34.973			
230	0.06	4.00	32.860	33.007			✓
270	0.05	4.25	32.938	33.043			
325	0.05	4.50	32.865	32.918			
400	0.04	4.75	33.030	33.107			
450	0.03	5.00	32.692	32.733			
Fines	<0.03	> 5	122.821	122.918			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-186 Container wt.: 6.163
Sampling Date: 9/17/10 Total wt.: 20.739
Analysis Date: 7/19/12 Sample wt.: _____

Observations: SLIGHT REDDISH BROWN

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.407	46.445			
20	0.85	0.25	43.311	43.333			
25	0.71	0.50	45.765	45.791			
30	0.6	0.75	43.266	43.312			
35	0.5	1.00	41.612	41.700			
40	0.43	1.25	39.716	39.527			
45	0.36	1.50	39.308	39.581			
50	0.3	1.75	39.152	39.687			
60	0.25	2.00	38.416	39.080		✓	
70	0.21	2.25	37.712	39.731		✓	
80	0.18	2.50	36.512	39.019		✓	✓
100	0.15	2.75	34.432	36.839		✓	✓
120	0.13	3.00	35.518	37.908			✓
140	0.11	3.25	34.533	36.385			✓
170	0.09	3.50	34.375	34.828		✓	✓
200	0.08	3.75	34.526	34.996			✓
230	0.06	4.00	32.860	32.996			
270	0.05	4.25	32.940	33.032			
325	0.05	4.50	32.864	32.935			
400	0.04	4.75	33.032	33.092			
450	0.03	5.00	32.694	32.728			
Fines	<0.03	> 5	122.841	122.892			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-140
Sampling Date: 9/17/10
Analysis Date: 9/19/12

Container wt.: 6,164
Total wt.: 22.127
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.467	46.551			
20	0.85	0.25	43.312	43.377			
25	0.71	0.50	45.763	45.854			
30	0.6	0.75	43.266	43.347			
35	0.5	1.00	41.613	41.748			
40	0.43	1.25	39.716	39.837			
45	0.36	1.50	39.312	39.508			
50	0.3	1.75	39.156	39.436			
60	0.25	2.00	38.433	38.962		✓	
70	0.21	2.25	37.711	38.647		✓	
80	0.18	2.50	36.511	38.100		✓	✓
100	0.15	2.75	34.430	36.721		✓	✓
120	0.13	3.00	35.524	39.433			✓
140	0.11	3.25	34.832	37.916			✓
170	0.09	3.50	34.379	35.418			✓
200	0.08	3.75	34.826	35.355			✓
230	0.06	4.00	32.560	33.356			
270	0.05	4.25	32.640	33.115			
325	0.05	4.50	32.864	32.949			
400	0.04	4.75	33.032	33.079			
450	0.03	5.00	32.691	32.769			
Fines	<0.03	> 5	122.821	122.855			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 02-194
Sampling Date: 9/17/10
Analysis Date: 9/19/12

Container wt.: 6.161
Total wt.: 19.027
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.406	46.537			
20	0.85	0.25	43.311	43.333			
25	0.71	0.50	45.762	45.806			
30	0.6	0.75	43.262	43.312			
35	0.5	1.00	41.611	41.699			
40	0.43	1.25	39.713	39.812			
45	0.36	1.50	39.306	39.564			
50	0.3	1.75	39.155	39.634			
60	0.25	2.00	38.417	39.584			
70	0.21	2.25	37.708	39.436			
80	0.18	2.50	36.502	38.526			✓
100	0.15	2.75	34.430	36.405			✓
120	0.13	3.00	35.519	37.712			✓
140	0.11	3.25	34.851	36.241			✓
170	0.09	3.50	34.353	34.842			✓
200	0.08	3.75	34.541	35.042			✓
230	0.06	4.00	32.859	33.020			✓
270	0.05	4.25	32.938	33.018			
325	0.05	4.50	32.862	32.916			
400	0.04	4.75	33.028	33.071			
450	0.03	5.00	32.684	32.708			
Fines	<0.03	> 5	122.829	122.879			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C2-19S
Sampling Date: 9/17/10
Analysis Date: 9/19/12

Container wt.: 6.162
Total wt.: 17.918
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.464	46.462			
20	0.85	0.25	43306	43.337			
25	0.71	0.50	45.755	45.864			
30	0.6	0.75	43.259	43.307			
35	0.5	1.00	41.609	41.687			
40	0.43	1.25	39.711	39.786			
45	0.36	1.50	39.304	39.452			
50	0.3	1.75	39.153	39.412		✓	
60	0.25	2.00	38.418	39.036		✓	
70	0.21	2.25	37.708	38.977		✓	
80	0.18	2.50	36.567	38.028		✓	✓
100	0.15	2.75	34.425	36.100			✓
120	0.13	3.00	35.528	37.852			✓
140	0.11	3.25	34.834	36.630			✓
170	0.09	3.50	34.387	35.132			✓
200	0.08	3.75	34.829	35.195			✓
230	0.06	4.00	32.855	33.193			
270	0.05	4.25	32.937	33.098			
325	0.05	4.50	32.861	32.971			
400	0.04	4.75	33.026	33.112			
450	0.03	5.00	32.682	32.736			
Fines	<0.03	> 5	122.821	122.935			

Vibracore C3

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-002 Container wt.: 6.150
Sampling Date: 9/18/10 Total wt.: 20.768
Analysis Date: 3/28/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.453	49.453		
18	46.289	46.380		
20	43.183	43.199		
25	45.594	45.630		
30	43.105	43.177		
35	41.480	41.728		
40	39.557	39.891		✓
45	38.687	39.445		✓
50	38.980	40.357	MICA	✓
60	37.618	40.767		✓
70	35.880	39.297		✓
80	36.307	39.047		✓✓
100	34.243	35.750		✓✓
120	35.322	36.002		✓✓
140	34.628	34.927		✓✓
170	34.206	34.269		✓✓
200	32.974	32.983		
230	32.739	32.744		
Fines Collector 1	24.413			
Fines Collector 2	24.412			
Fines Collector 3	24.408	24.410		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-006
Sampling Date: 9/18/10
Analysis Date: 3/28/12

Container wt.: 6.151
Total wt.: 21.558
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.452	49.452		
18	46.288	46.293	SHELL FRAG	
20	43.183	43.192		
25	45.594	45.628		
30	43.107	43.168		
35	41.487	41.717		
40	39.562	39.845		✓
45	38.692	39.020	MICA	✓
50	39.028	39.995		✓
60	37.866	40.303		✓
70	35.952	39.275		✓
80	34.349	39.702		✓✓
100	34.277	36.380		✓✓
120	35.338	36.562		✓✓
140	34.633	35.217		✓✓
170	34.204	34.340		✓✓
200	32.970	33.603		✓✓
230	32.737	32.754		✓✓
Fines Collector 1	24.404			
Fines Collector 2	24.402			
Fines Collector 3	24.396	24.410		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-010
Sampling Date: 9/18/10
Analysis Date: 3/28/12

Container wt.: 6.150
Total wt.: 16.024
Sample wt.:

Observations:

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.452	49.463	SHELL FRAG	
18	46.288	46.297		
20	43.183	43.192		
25	45.596	45.630		
30	43.108	43.164		
35	41.486	41.650		✓
40	39.547	39.777		✓
45	38.698	39.133		✓
50	39.026	39.681		✓
60	37.874	39.437	MICA	✓
70	35.964	38.093		✓
80	36.344	38.425		✓✓
100	34.272	35.583		✓✓
120	35.347	36.074		✓✓
140	34.641	34.964		✓✓
170	34.208	34.283		✓✓
200	32.975	32.988		
230	32.740	32.746		
Fines Collector 1	24.394			
Fines Collector 2	24.392			
Fines Collector 3	24.389	24.394		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-014
Sampling Date: 9/18/10
Analysis Date: 3/28/12

Container wt.: 6.150
Total wt.: 19.495
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.452	49.449		
18	46.288	46.303		
20	43.186	43.192		
25	45.597	45.635		
30	43.113	43.175		
35	41.486	41.746	MICA	✓
40	39.566	39.886		✓
45	39.693	39.295		✓
50	39.013	39.827	MICA	✓
60	37.878	39.625	MICA	✓✓
70	35.941	38.406	"	✓
80	36.355	39.226		✓✓
100	34.273	36.219		✓✓
120	35.357	36.601		✓✓
140	34.642	35.287		✓✓
170	34.211	34.367		✓✓
200	32.975	33.004		✓✓
230	32.741	32.751		
Fines Collector 1	24.387			
Fines Collector 2	24.382			
Fines Collector 3	24.382	24.383		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-018
Sampling Date: 9/18/10
Analysis Date: 3/28/12

Container wt.: 6.151
Total wt.: 20.397
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.450	49.522	SHELL FRAGS	
18	46.286	46.320		
20	43.184	43.202		
25	45.596	45.662		
30	43.108	43.217		
35	41.488	41.843	MICA	
40	39.565	40.007		✓
45	38.695	39.507		✓
50	39.038	~~40~~ 40.094	MICA	✓
60	37.904	39.940	"	✓
70	35.937	38.602	"	✓
80	36.361	39.200	"	✓✓
100	34.287	36.067		✓✓
120	35.344	36.426		✓✓
140	34.640	35.242		✓✓
170	34.214	34.368		✓✓
200	32.977	33.012		✓✓
230	32.741	32.757		
Fines Collector 1	~~24~~ 24.380			
Fines Collector 2	24.375			
Fines Collector 3	24.377	34.387		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-022
Sampling Date: 9/18/10
Analysis Date: 3/28/12

Container wt.: 6.151
Total wt.: 20.619
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.451	49.468	SHELL FRAG	
18	46.289	46.324		
20	43.186	43.201		
25	45.691	45.674		
30	43.111	43.216		
35	41.499	41.920		✓
40	39.569	40.076		✓
45	38.701	39.631		✓
50	39.035	40.216	MICA	✓
60	37.911	40.126	"	✓
70	35.938	38670	"	✓
80	36.364	39.108		✓
100	34.273	35.951		✓✓
120	35.344	36.334		✓✓
140	34.647	35.175		✓✓
170	34.219	34.552		✓✓
200	32.977	33.015		✓✓
230	32.743	32.757		
Fines Collector 1	24.378			
Fines Collector 2	24.379			
Fines Collector 3	24.381	24.391		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-026
Sampling Date: 9/18/10
Analysis Date: 3/28/12

Container wt.: 6.151
Total wt.: 19.783
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.450	49.501	SHELL FRAG	
18	46.288	46.304		
20	43.185	43.211		
25	45.600	45.667		
30	43.112	43.221		
35	41.492	41.890		✓
40	39.571	40.038		✓
45	38.706	39.510		✓
50	39.036	40.035	MICA	✓
60	37.930	39.916		✓
70	35.946	38.522	MICA	✓
80	36.375	39.026	"	✓✓
100	34.294	36.052	"	✓✓
120	35.355	36.399		✓✓
140	34.644	35.113		✓✓
170	34.219	34.331		✓✓
200	32.976	33.001		
230	32.742	32.754		
Fines Collector 1	24.381			
Fines Collector 2	24.377			
Fines Collector 3	24.376	24.387		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-030
Sampling Date: 9/18/10
Analysis Date: 3/28/12

Container wt.: 6.151
Total wt.: 19.518
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.451	49.452		
18	46.289	46.332		
20	43.187	43.195		
25	45.603	45.627		
30	43.108	43.188		
35	41.494	41.590		
40	39.568	39.688		
45	38.706	38.954		
50	39.034	39.389	MICA	✓
60	37.909	38.794	"	✓
70	35.980	37.553	"	✓
80	36.375	38.742	"	✓
100	34.274	37.016	"	✓✓
120	35.351	38.147	"	✓
140	34.647	36.167		✓
170	34.219	34.573		✓✓
200	32.976	33.051		✓✓
230	32.742	32.781		✓✓
Fines Collector 1	24.377			
Fines Collector 2	24.377			
Fines Collector 3	24.378	34.412		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-034
Sampling Date: 9/18/10
Analysis Date: 3/25/12

Container wt.: 6.151
Total wt.: 20.720
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.452	49.477	SHELL FRAG & CLUMPS	
18	46.259	46.410	CLUMPS	
20	43.186	43.204		
25	45.605	45.652		
30	43.113	43.140		
35	41.492	41.610		
40	39.569	39.712		
45	38.704	39.053	MICA	✓
50	39.028	39.701	"	✓
60	37.891	39.935	"	✓
70	35.953	39.056	"	✓
80	36.372	39.677		✓
100	34.291	36.392		✓✓
120	35.369	36.816		✓
140	34.649	35.375		✓✓
170	34.216	34.395		✓✓
200	32.981	33.018		✓✓
230	32.741	32.765		
Fines Collector 1	24.377			
Fines Collector 2	24.380			
Fines Collector 3	24.378	24.410		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-038
Sampling Date: 9/18/10
Analysis Date: 3/28/12

Container wt.: 6.151
Total wt.: 19.110
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.452	49.452		
18	46.289	46.311		
20	43.190	43.204		
25	45.611	45.624		
30	43.113	43.136		
35	41.491	41.561	MICA	
40	39.571	39.669		
45	38.704	39.009	MICA	✓
50	39.021	39.635	"	✓
60	37.901	39.800	"	✓
70	35.951	38.810	"	✓
80	36.410	39.407		✓
100	34.296	36.166		✓
120	35.378	36.585		✓
140	34.649	35.284		✓✓
170	34.220	34.390		✓✓
200	32.977	33.021		
230	32.741	32.759		
Fines Collector 1	24.380			
Fines Collector 2	24.378			
Fines Collector 3	24.376	24.393		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-042
Sampling Date: 9/18/10
Analysis Date: 3/28/12

Container wt.: 6.152
Total wt.: 19.829
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.453	49.455		
18	46.291	46.314		
20	43.190	43.193		
25	45.610	45.623	MICA	
30	43.112	43.134		
35	41.492	41.557		
40	39.571	39.672	MICA	
45	38.703	39.003	"	✓
50	39.022	39.697	"	✓
60	37.928	39.923	"	✓
70	35.951	38.720	"	✓
80	36.385	39.161	"	✓
100	34.304	36.402		✓✓
120	35.355	36.916		✓
140	34.646	35.520		✓✓
170	34.220	34.460		✓✓
200	32.981	33.046		✓✓
230	32.742	32.777		✓✓
Fines Collector 1	24.376			
Fines Collector 2	24.374			
Fines Collector 3	24.376	24.409		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-D46
Sampling Date: 9/18/10
Analysis Date: 3/28/12

Container wt.: 6.153
Total wt.: 20.685
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.452	49.455		
18	46.289	46.312		
20	43.190	43.198		
25	45.610	45.628		
30	43.110	43.122		
35	41.493	41.550	MICA	
40	39.572	39.657		
45	38.701	39.056	MICA	
50	39.027	39.691	"	✓
60	37.932	40.274		✓
70	35.947	39.419	MICA	✓
80	36.409	39.680	"	✓
100	34.294	36.332	"	✓
120	35.352	36.589	"	✓
140	34.652	35.309		✓✓
170	34.224	34.418		✓✓
200	32.981	33.027		
230	32.745	32.770		
Fines Collector 1	24.375			
Fines Collector 2	24.373			
Fines Collector 3	24.373	24.397		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-050
Sampling Date: 9/18/10
Analysis Date: 3/28/12

Container wt.: 6.151
Total wt.: 20.045
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.454	49.458		
18	46.290	46.321		
20	43.186	43.190		
25	45.611	45.619		
30	43.112	43.121		
35	41.494	41.528		
40	39.572	39.631	MICA	
45	38.780	39.042	"	
50	39.040	39.779	"	✓
60	37.946	40.319	"	✓
70	35.978	39.234	"	✓
80	36.384	39.480	"	✓
100	34.285	36.175	"	✓
120	35.354	36.513		✓
140	34.661	35.310		✓✓
170	34.239	34.404		✓✓
200	32.980	33.024		
230	32.745	32.765		
Fines Collector 1	24.372			
Fines Collector 2	24.376			
Fines Collector 3	24.375	24.400		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-054
Sampling Date: 9/18/10
Analysis Date: 3/30/12

Container wt.: 6.150
Total wt.: 18.432
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	119.457	49.455		
18	46.290	46.295		
20	43.188	43.189		
25	45.608	45.614		
30	43.114	43.119		
35	41.491	41.534	MICA	
40	39.572	39.633	"	
45	38.785	38.964	"	
50	39.027	39.496	"	✓
60	37.950	39.518	"	✓
70	35.956	38.619	"	✓
80	36.407	39.315	"	✓
100	34.280	36.269		✓
120	35.361	36.617		✓✓
140	34.663	35.409	MICA	✓✓
170	34.228	34.443		✓✓
200	32.984	33.041		✓✓
230	32.742	32.773		✓✓
Fines Collector 1	24.375			
Fines Collector 2	24.374			
Fines Collector 3	24.373	24.402		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-058
Sampling Date: 3/18/10
Analysis Date: 3/30/12

Container wt.: 6.150
Total wt.: 21.066
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.456	49.454		
18	46.290	46.309		
20	43.183	43.195		
25	45.606	45.631		
30	43.110	43.132		
35	41.492	41.560	MICA	
40	39.574	39.663	"	
45	38.782	39.069	"	✓
50	39.025	39.658	"	✓
60	37.910	39.986	"	✓
70	35.957	39.165		✓
80	36.379	39.850	MICA	✓
100	34.293	36.367		✓
120	35.372	36.793		✓
140	34.650	35.542		✓✓
170	34.229	34.544		✓✓
200	32.979	33.060		✓✓
230	32.744	32.790		
Fines Collector 1	21.378			
Fines Collector 2	24.372			
Fines Collector 3	24.373	24.413		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-062
Sampling Date: 9/18/10
Analysis Date: 3/30/12

Container wt.: 6.150
Total wt.: 20.273
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.456	49.452		
18	46.290	46.346	~~CC~~ CLUMPS	
20	43.184	43.204		
25	45.606	45.643		
30	43.116	43.147		
35	41.494	41.576		
40	39.573	39.674		
45	38.781	39.029	MICA	✓
50	39.030	39.549	"	✓
60	37.921	39.544	"	✓
70	35.959	38.604	"	✓
80	36.390	39.475	"	✓
100	34.325	36.313	"	✓
120	35.368	36.931		✓✓
140	34.653	35.781		✓✓
170	34.243	34.783		✓✓
200	32.978	33.152		✓✓
230	32.742	32.825		✓✓
Fines Collector 1	24.369			
Fines Collector 2	24.372			
Fines Collector 3	24.371	24.451		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C3-066 Container wt.: 6.450
Sampling Date: 9/18/10 Total wt.: 19.156
Analysis Date: 3/30/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.455	49.479	CLUMPS SHELL FRAG	
18	46.291	46.361	CLUMPS	
20	43.184	43.198		
25	45.607	45.647		
30	43.120	43.129		
35	41.492	41.582		
40	39.574	39.699		
45	38.785	39.117	MICA	
50	39.032	39.760	"	✓
60	37.922	39.857	"	✓
70	35.971	38.745	"	✓
80	34.369	39.281	"	✓
100	34.312	36.011	"	✓
120	35.360	36.440		✓✓
140	34.656	35.308		✓✓
170	34.252	34.490		
200	32.982	33.060		
230	32.745	32.786		
Fines Collector 1	24.368			
Fines Collector 2	24.368			
Fines Collector 3	24.370	24.402		
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-C7C
Sampling Date: 9/18/10
Analysis Date: 9/6/12

Container wt.: 6.158
Total wt.: 17.298
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.454	46.491			
20	0.85	0.25	43.340	43.349			
25	0.71	0.50	45.777	45.804			
30	0.6	0.75	43.277	43.315			
35	0.5	1.00	41.637	41.703			
40	0.43	1.25	39.722	39.805			
45	0.36	1.50	39.271	39.476		✓	
50	0.3	1.75	39.149	39.664		✓	✓
60	0.25	2.00	38.365	40.644		✓	✓
70	0.21	2.25	37.740	40.563		✓	✓
80	0.18	2.50	36.527	38.707		✓	✓
100	0.15	2.75	34.448	35.968			✓
120	0.13	3.00	35.535	36.612			✓
140	0.11	3.25	34.886	35.470			✓
170	0.09	3.50	34.409	34.584			
200	0.08	3.75	33.155	33.225			
230	0.06	4.00	32.900	32.946			
270	0.05	4.25	32.967	32.996			
325	0.05	4.50	32.889	32.901			
400	0.04	4.75	33.056	33.069			
450	0.03	5.00	32.707	32.713			
Fines	<0.03	> 5	122.825	122.834			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-074
Sampling Date: 9/18/10
Analysis Date: 9/6/12

Container wt.: 6.156
Total wt.: 19.336
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.452	46.472			
20	0.85	0.25	43.338	43.348			
25	0.71	0.50	45.778	45.798			
30	0.6	0.75	43.276	43.301			
35	0.5	1.00	41.639	41.674		✓	
40	0.43	1.25	29.721	39.759		✓	
45	0.36	1.50	29.277	39.351		✓	
50	0.3	1.75	39.149	39.305		✓	
60	0.25	2.00	38.373	38.872		✓	✓
70	0.21	2.25	37.751	39.338		✓	✓
80	0.18	2.50	36.551	39.505		✓	✓
100	0.15	2.75	39.498	37.321			✓
120	0.13	3.00	35.531	37.852			✓
140	0.11	3.25	34.875	36.281			✓
170	0.09	3.50	34.400	34.942			✓
200	0.08	3.75	33.149	33.382			✓
230	0.06	4.00	32.900	33.065			✓
270	0.05	4.25	32.967	33.039			
325	0.05	4.50	32.888	32.933			
400	0.04	4.75	33.056	33.089			
450	0.03	5.00	32.705	32.721			
Fines	<0.03	> 5	122.829	122.839			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-078
Sampling Date: 9/18/10
Analysis Date: 9/6/12

Container wt.: 6.156
Total wt.: 18.628
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.451	46.475			
20	0.85	0.25	43.339	43.347			
25	0.71	0.50	45.777	45.862			
30	0.6	0.75	43.276	43.298		✓	
35	0.5	1.00	41.636	41.673		✓	
40	0.43	1.25	39.720	39.755		✓	
45	0.36	1.50	39.275	39.353		✓	
50	0.3	1.75	39.150	39.300		✓	
60	0.25	2.00	38.395	38.876		✓	✓
70	0.21	2.25	37.757	39.369		✓	✓
80	0.18	2.50	36.548	39.765		✓	✓
100	0.15	2.75	34.480	37.030			✓
120	0.13	3.00	35.540	37.596			✓
140	0.11	3.25	34.882	36.160			✓
170	0.09	3.50	34.408	34.923			✓
200	0.08	3.75	33.143	33.407			✓
230	0.06	4.00	32.893	33.105			✓
270	0.05	4.25	32.965	33.080			
325	0.05	4.50	32.884	32.957			
400	0.04	4.75	33.052	33.110			
450	0.03	5.00	32.701	32.726			
Fines	<0.03	> 5	122.827	122.860			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-C82
Sampling Date: 9/18/10
Analysis Date: 9/6/12

Container wt.: 6.157
Total wt.: 18.170
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.415	46.454			
20	0.85	0.25	43.346	43.346			
25	0.71	0.50	45.775	45.781			
30	0.6	0.75	43.275	43.286			
35	0.5	1.00	41.637	41.648			
40	0.43	1.25	39.719	39.732		✓	
45	0.36	1.50	39.275	39.299		✓	
50	0.3	1.75	39.144	39.198		✓	
60	0.25	2.00	38.393	38.657		✓	
70	0.21	2.25	37.764	39.245		✓	✓
80	0.18	2.50	34.554	39.702		✓	✓
100	0.15	2.75	34.452	37.477			✓
120	0.13	3.00	35.536	37.943			✓
140	0.11	3.25	34.882	36.262			✓
170	0.09	3.50	34.402	34.900			✓
200	0.08	3.75	33.141	33.363			
230	0.06	4.00	32.897	33.066			
270	0.05	4.25	32.963	33.035			
325	0.05	4.50	32.882	32.926			
400	0.04	4.75	33.051	33.084			
450	0.03	5.00	32.697	32.712			
Fines	<0.03	> 5	122.826	122.849			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-086
Sampling Date: 9/18/10
Analysis Date: 9/6/12

Container wt.: 6.157
Total wt.: 16.934
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.445	46.634			
20	0.85	0.25	43.337	43.385			
25	0.71	0.50	45.774	45.850			
30	0.6	0.75	43.273	43.330			
35	0.5	1.00	41.634	41.713		✓	
40	0.43	1.25	39.718	39.789		✓	
45	0.36	1.50	39.273	39.355		✓	
50	0.3	1.75	39.143	39.239		✓	✓
60	0.25	2.00	38.365	38.525		✓	✓
70	0.21	2.25	37.745	38.097		✓	✓
80	0.18	2.50	36.594	37.353		✓	✓
100	0.15	2.75	34.458	35.875		✓	✓
120	0.13	3.00	35.547	37.842		✓	✓
140	0.11	3.25	34.876	36.853			✓
170	0.09	3.50	34.405	35.464			✓
200	0.08	3.75	33.140	33.648			✓
230	0.06	4.00	32.894	33.424			
270	0.05	4.25	32.960	33.249			
325	0.05	4.50	32.880	33.089			
400	0.04	4.75	33.049	33.223			
450	0.03	5.00	32.695	32.779			
Fines	<0.03	> 5	122.826	122.902			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-C9C
Sampling Date: 9/18/10
Analysis Date: 9/6/12

Container wt.: 6.158
Total wt.: 17.157
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.447	46.554			
20	0.85	0.25	43.337	43.382			
25	0.71	0.50	45.776	45.847			
30	0.6	0.75	43.276	43.360			
35	0.5	1.00	41.634	41.738			
40	0.43	1.25	39.718	39.793			
45	0.36	1.50	39.271	39.366		✓	
50	0.3	1.75	39.142	39.244		✓	
60	0.25	2.00	38.358	38.500		✓	✓
70	0.21	2.25	37.735	37.952		✓	✓
80	0.18	2.50	36.537	37.066		✓	✓
100	0.15	2.75	34.446	35.284			✓
120	0.13	3.00	35.544	37.010			✓
140	0.11	3.25	34.878	34.752			✓
170	0.09	3.50	34.402	35.748			—
200	0.08	3.75	33.144	33.996			✓
230	0.06	4.00	32.893	33.995			✓
270	0.05	4.25	32.961	33.410			
325	0.05	4.50	32.882	33.743			
400	0.04	4.75	33.053	33.528			
450	0.03	5.00	32.698	32.933			
Fines	<0.03	> 5	122.826	123.039			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-C94/
Sampling Date: 9/18/10
Analysis Date: 9/6/12

Container wt.: 6.161
Total wt.: 19.750
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.446	46.982			
20	0.85	0.25	43 333	43.520			
25	0.71	0.50	45.775	45.998			
30	0.6	0.75	43.276	43.536			
35	0.5	1.00	41.634	41.815		✓	
40	0.43	1.25	39.719	39.866		✓	
45	0.36	1.50	39.272	39.432		✓	
50	0.3	1.75	39.144	39.293		✓	✓
60	0.25	2.00	38.365	38.542		✓	✓
70	0.21	2.25	37.736	37.932		✓	✓
80	0.18	2.50	36.535	36.785		✓	✓
100	0.15	2.75	34.442	34.894		✓	✓
120	0.13	3.00	35.524	36.529			✓
140	0.11	3.25	34.885	36.574			✓
170	0.09	3.50	34.397	35.776			✓
200	0.08	3.75	33.140	34.079			✓
230	0.06	4.00	32.896	34.698			✓
270	0.05	4.25	32.961	33.890			
325	0.05	4.50	32.886	33.717			
400	0.04	4.75	33.061	34.006			
450	0.03	5.00	32.707	33.332			
Fines	<0.03	> 5	122.828	123.355			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-098
Sampling Date: 9/18/10
Analysis Date: 8/30/12

Container wt.: 6.157
Total wt.: 19.209
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.437	46.867			
20	0.85	0.25	43.324	43.451			
25	0.71	0.50	45.765	45.950			
30	0.6	0.75	43.753	43.438			
35	0.5	1.00	41.621	41.813			
40	0.43	1.25	39.764	39.855			
45	0.36	1.50	39.256	39.437			
50	0.3	1.75	34.137	34.319		✓	
60	0.25	2.00	38.363	38.564		✓	
70	0.21	2.25	37.734	37.960		✓	
80	0.18	2.50	36.516	36.815		✓	✓
100	0.15	2.75	34.411	35.006		✓	✓
120	0.13	3.00	35.510	36.846			✓
140	0.11	3.25	34.838	36.809			✓
170	0.09	3.50	34.367	35.954			✓
200	0.08	3.75	33.117	33.961			
230	0.06	4.00	32.881	34.208			
270	0.05	4.25	32.949	33.601			
325	0.05	4.50	32.872	33.511			
400	0.04	4.75	33.045	33.753			
450	0.03	5.00	32.684	33.045			
Fines	<0.03	> 5	122.825	123.229			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-102
Sampling Date: 9/18/10
Analysis Date: 8/30/12

Container wt.: 6.157
Total wt.: 17.992
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.434	46.451			
20	0.85	0.25	43.322	43.333			
25	0.71	0.50	45.760	45.788			
30	0.6	0.75	43.254	43.287			
35	0.5	1.00	41.616	41.669			
40	0.43	1.25	39.700	39.755			
45	0.36	1.50	39.253	39.337			
50	0.3	1.75	39.137	39.241		✓	
60	0.25	2.00	38.354	38.532		✓	✓
70	0.21	2.25	37.732	37.996		✓	✓
80	0.18	2.50	36.505	37.194		✓	✓
100	0.15	2.75	34.407	36.601		✓	✓
120	0.13	3.00	35.496	37.929		✓	✓
140	0.11	3.25	34.543	36.904			✓
170	0.09	3.50	34.366	35.478			✓
200	0.08	3.75	33.118	33.582			✓
230	0.06	4.00	32.882	33.458			
270	0.05	4.25	32.951	33.286			
325	0.05	4.50	32.872	33.183			
400	0.04	4.75	33.058	33.357			
450	0.03	5.00	32.760	32.867			
Fines	<0.03	> 5	122.821	122.958			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-166
Sampling Date: 9/18/10
Analysis Date: 5/30/12

Container wt.: 6.150
Total wt.: 20.383
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.430	46.466			
20	0.85	0.25	43.314	43.326			
25	0.71	0.50	45.755	45.777			
30	0.6	0.75	43.242	43.264			
35	0.5	1.00	41.618	41.632			
40	0.43	1.25	39.693	39.717		✓	
45	0.36	1.50	39.247	39.281		✓	
50	0.3	1.75	39.132	39.178		✓	
60	0.25	2.00	38.380	38.501		✓	
70	0.21	2.25	37.725	38.062		✓	
80	0.18	2.50	36.502	37.437		✓	✓
100	0.15	2.75	34.416	36.756		✓	✓
120	0.13	3.00	35.485	38.938		✓	✓
140	0.11	3.25	34.846	37.929			✓
170	0.09	3.50	34.368	35.777			✓
200	0.08	3.75	33.117	33.631			✓
230	0.06	4.00	32.880	33.393			
270	0.05	4.25	32.949	33.239			
325	0.05	4.50	32.870	33.153			
400	0.04	4.75	33.042	33.365			
450	0.03	5.00	32.689	32.831			
Fines	<0.03	> 5	122.825	123.014			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-110
Sampling Date: 9/18/10
Analysis Date: 8/30/12

Container wt.: 6.158
Total wt.: 19.468
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.429	46.562			
20	0.85	0.25	43.313	43.338			
25	0.71	0.50	45.754	45.798			
30	0.6	0.75	43.241	43.275			
35	0.5	1.00	41.609	41.653			
40	0.43	1.25	39.693	39.730		✓	
45	0.36	1.50	39.246	39.295		✓	
50	0.3	1.75	39.128	39.180		✓	
60	0.25	2.00	38.348	38.429		✓	
70	0.21	2.25	37.721	37.876		✓	
80	0.18	2.50	36.509	36.919		✓	✓
100	0.15	2.75	34.416	35.562		✓	✓
120	0.13	3.00	35.495	36.088		✓	✓
140	0.11	3.25	34.840	35.253			✓
170	0.09	3.50	34.366	36.665			✓
200	0.08	3.75	33.119	33.974			
230	0.06	4.00	32.878	33.551			
270	0.05	4.25	32.949	33.248			
325	0.05	4.50	32.869	33.128			
400	0.04	4.75	33.044	33.331			
450	0.03	5.00	32.681	32.817			
Fines	<0.03	> 5	122.825	122.999			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 03-114
Sampling Date: 9/18/10
Analysis Date: 8/30/12

Container wt.: 6.158
Total wt.: 20.516
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.429	46.463			
20	0.85	0.25	43.316	43.329			
25	0.71	0.50	45.754	45.782			
30	0.6	0.75	43.241	43.271			
35	0.5	1.00	41.613	41.639			
40	0.43	1.25	34.697	34.722			
45	0.36	1.50	39.249	39.287		✓	
50	0.3	1.75	39.129	39.183		✓	
60	0.25	2.00	38.343	38.455		✓	
70	0.21	2.25	37.722	37.980		✓	
80	0.18	2.50	36.498	37.307		✓	
100	0.15	2.75	34.411	36.452		✓	✓
120	0.13	3.00	35.495	39.048		✓	✓
140	0.11	3.25	34.851	38.223			✓
170	0.09	3.50	34.369	36.146			✓
200	0.08	3.75	33.120	34.880			✓
230	0.06	4.00	32.880	33.454			✓
270	0.05	4.25	32.948	33.188			
325	0.05	4.50	32.869	33.039			
400	0.04	4.75	33.044	33.141			
450	0.03	5.00	32.683	32.741			
Fines	<0.03	> 5	122.826	122.909			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-118
Sampling Date: 9/18/10
Analysis Date: 9/5/12

Container wt.: 6.159
Total wt.: 20.264
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.459	46.475			
20	0.85	0.25	43.343	43.359			
25	0.71	0.50	45.779	45.863			
30	0.6	0.75	43.272	43.363			
35	0.5	1.00	41.640	41.672			
40	0.43	1.25	39.723	39.748			
45	0.36	1.50	39.275	39.318			
50	0.3	1.75	39.151	39.218		✓	
60	0.25	2.00	38.362	38.490		✓	
70	0.21	2.25	37.741	38.025		✓	
80	0.18	2.50	36.525	37.436		✓	✓
100	0.15	2.75	34.447	37.280		✓	✓
120	0.13	3.00	35.532	39.499		✓	✓
140	0.11	3.25	34.876	37.776			✓
170	0.09	3.50	34.400	35.794			✓
200	0.08	3.75	33.142	33.646			✓
230	0.06	4.00	32.902	33.317			
270	0.05	4.25	32.968	33.142			
325	0.05	4.50	32.890	33.000			
400	0.04	4.75	33.062	33.132			
450	0.03	5.00	32.707	32.734			
Fines	<0.03	> 5	122.829	122.840			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-122
Sampling Date: 9/18/10
Analysis Date: 9/5/12

Container wt.: 6.159
Total wt.: 18.976
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.458	46.467			
20	0.85	0.25	43.354	43.350			
25	0.71	0.50	45.781	45.797			
30	0.6	0.75	43.277	43.297			
35	0.5	1.00	41.641	41.665		✓	
40	0.43	1.25	39.724	39.747		✓	
45	0.36	1.50	39.273	39.313		✓	
50	0.3	1.75	39.153	39.200		✓	
60	0.25	2.00	38.367	38.463		✓	
70	0.21	2.25	37.740	37.995		✓	
80	0.18	2.50	36.523	37.486		✓	✓
100	0.15	2.75	34.438	36.813		✓	✓
120	0.13	3.00	35.531	39.185			✓
140	0.11	3.25	34.875	37.582			✓
170	0.09	3.50	34.391	35.600			✓
200	0.08	3.75	33.148	33.640			✓
230	0.06	4.00	32.901	33.290			
270	0.05	4.25	32.967	33.135			
325	0.05	4.50	32.888	32.998			
400	0.04	4.75	33.058	33.139			
450	0.03	5.00	32.706	32.744			
Fines	<0.03	> 5	122.825	122.857			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-126
Sampling Date: 9/18/10
Analysis Date: 9/5/12

Container wt.: 6.162
Total wt.: 20.283
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.455	47.157			
20	0.85	0.25	43.342	43.519			
25	0.71	0.50	45.779	46.023			
30	0.6	0.75	43.279	43.477			
35	0.5	1.00	41.689	41.847		✓	
40	0.43	1.25	39.723	39.883		✓	
45	0.36	1.50	39.274	39.444		✓	
50	0.3	1.75	39.151	39.317		✓	
60	0.25	2.00	38.358	38.556		✓	
70	0.21	2.25	37.737	37.984		✓	
80	0.18	2.50	36.524	37.053		✓	✓
100	0.15	2.75	34.444	35.658			✓
120	0.13	3.00	35.525	37.774		✓	✓
140	0.11	3.25	34.886	37.038			✓
170	0.09	3.50	34.398	35.931			✓
200	0.08	3.75	33.146	34.094			✓
230	0.06	4.00	32.902	33.911			✓
270	0.05	4.25	32.969	33.534			
325	0.05	4.50	32.884	33.313			
400	0.04	4.75	33.054	33.491			
450	0.03	5.00	32.701	32.955			
Fines	<0.03	> 5	122.824	128.034			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-13C
Sampling Date: 9/18/10
Analysis Date: 9/5/12

Container wt.: 6.658
Total wt.: 21.798
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.458	46.784			
20	0.85	0.25	43.347	43.431			
25	0.71	0.50	45.783	45.899			
30	0.6	0.75	43.286	43.370		✓	
35	0.5	1.00	41.642	41.774		✓	
40	0.43	1.25	39.722	39.821		✓	
45	0.36	1.50	39.276	39.407		✓	
50	0.3	1.75	39.154	39.343		✓	
60	0.25	2.00	38.364	38.822		✓	
70	0.21	2.25	37.747	38.738		✓	✓
80	0.18	2.50	36.575	38.488		✓	✓
100	0.15	2.75	34.441	37.266		✓	✓
120	0.13	3.00	35.541	38.621		✓	✓
140	0.11	3.25	34.896	36.845			✓
170	0.09	3.50	34.398	35.287			✓
200	0.08	3.75	33.146	33.621			✓
230	0.06	4.00	32.897	33.463			✓
270	0.05	4.25	32.965	33.256			
325	0.05	4.50	32.887	33.154			
400	0.04	4.75	33.061	33.326			
450	0.03	5.00	32.711	32.876			
Fines	<0.03	> 5	122.827	123.032			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-134
Sampling Date: 9/18/10
Analysis Date: 9/5/12

Container wt.: 6.158
Total wt.: 19.413
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.456	46.682			
20	0.85	0.25	43.348	43.427			
25	0.71	0.50	45.784	45.889			
30	0.6	0.75	43.283	43.373			
35	0.5	1.00	41,443	41.772		✓	
40	0.43	1.25	39.728	39.830		✓	
45	0.36	1.50	39.278	39.425		✓	
50	0.3	1.75	39.151	39.336		✓	
60	0.25	2.00	38.379	38.717		✓	
70	0.21	2.25	37.744	38.443		✓	
80	0.18	2.50	36.537	37.944		✓	✓
100	0.15	2.75	34.441	36.606		✓	✓
120	0.13	3.00	35.535	38.315			✓
140	0.11	3.25	34.888	36.979			✓
170	0.09	3.50	34.393	35.310			✓
200	0.08	3.75	33.139	33.595			✓
230	0.06	4.00	32.896	33.338			✓
270	0.05	4.25	32.966	33.194			
325	0.05	4.50	32.888	33.066			
400	0.04	4.75	33.058	33.234			
450	0.03	5.00	32.708	32.805			
Fines	<0.03	> 5	122.824	122.970			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-138
Sampling Date: 9/18/10
Analysis Date: 9/5/12

Container wt.: 6.158
Total wt.: 21.458
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.454	46.754			
20	0.85	0.25	43.346	43.452			
25	0.71	0.50	45.784	45.937			
30	0.6	0.75	43.283	43.405			
35	0.5	1.00	41.689	41.809		✓	
40	0.43	1.25	39.724	39.846		✓	
45	0.36	1.50	39.274	39.437		✓	
50	0.3	1.75	39.153	39.340		✓	
60	0.25	2.00	38.373	38.634		✓	✓
70	0.21	2.25	37.745	38.185		✓	✓
80	0.18	2.50	36.534	37.526		✓	✓
100	0.15	2.75	34.445	36.366		✓	✓
120	0.13	3.00	35.525	35.811			✓
140	0.11	3.25	34.873	37.852			✓
170	0.09	3.50	34.394	35.877			✓
200	0.08	3.75	33.138	33.856			✓
230	0.06	4.00	32.897	33.662			
270	0.05	4.25	32.964	33.241			
325	0.05	4.50	32.887	33.135			
400	0.04	4.75	33.068	33.990			
450	0.03	5.00	32.705	32.838			
Fines	<0.03	> 5	122.827	122.995			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-142
Sampling Date: 9/18/12
Analysis Date: 9/5/12

Container wt.: 6.159
Total wt.: 20.904
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.452	46.684			
20	0.85	0.25	43.344	43.412			
25	0.71	0.50	45.787	45.871			
30	0.6	0.75	43.283	43.355		✓	
35	0.5	1.00	41.689	41.743		✓	
40	0.43	1.25	39.719	39.799		✓	
45	0.36	1.50	39.275	39.382		✓	
50	0.3	1.75	39.154	39.266		✓	
60	0.25	2.00	38.367	38.544		✓	✓
70	0.21	2.25	37.744	38.048		✓	✓
80	0.18	2.50	36.535	37.535		✓	✓
100	0.15	2.75	34.445	36.672		✓	✓
120	0.13	3.00	35.542	39.276			✓
140	0.11	3.25	34.880	38.143			
170	0.09	3.50	34.407	35.742			✓
200	0.08	3.75	33.145	33.739			
230	0.06	4.00	32.898	33.426			
270	0.05	4.25	32.967	33.164			
325	0.05	4.50	32.898	33.035			
400	0.04	4.75	33.063	33.178			
450	0.03	5.00	32.708	32.774			
Fines	<0.03	> 5	122.827	122.908			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-146
Sampling Date: 9/18/10
Analysis Date: 9/5/12

Container wt.: 6.159
Total wt.: 21.162
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.452	46.531			
20	0.85	0.25	43.345	43.375			
25	0.71	0.50	45.784	45.821			
30	0.6	0.75	43.276	43.305			
35	0.5	1.00	41.634	41.673			
40	0.43	1.25	39.718	39.754		✓	
45	0.36	1.50	39.276	39.311		✓	
50	0.3	1.75	39.150	39.200		✓	
60	0.25	2.00	38.364	38.466		✓	
70	0.21	2.25	37.743	38.057		✓	
80	0.18	2.50	34.532	37.944		✓	✓
100	0.15	2.75	34.448	37.491		✓	✓
120	0.13	3.00	35.526	39.605			✓
140	0.11	3.25	34.869	38.030			✓
170	0.09	3.50	34.399	35.519			✓
200	0.08	3.75	33.146	33.596			✓
230	0.06	4.00	32.896	33.290			✓
270	0.05	4.25	32.963	33.137			
325	0.05	4.50	32.885	33.007			
400	0.04	4.75	33.053	33.163			
450	0.03	5.00	32.706	32.753			
Fines	<0.03	> 5	122.826	122.892			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-150
Sampling Date: 9/18/10
Analysis Date: 9/5/12

Container wt.: 6.158
Total wt.: 22.239
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.450	46.545			
20	0.85	0.25	43.340	43.366			
25	0.71	0.50	45.777	45.808			
30	0.6	0.75	43.276	43.303			
35	0.5	1.00	41.636	41.668		✓	
40	0.43	1.25	39.718	39.745		✓	
45	0.36	1.50	39.269	39.309		✓	
50	0.3	1.75	39.148	39.191		✓	
60	0.25	2.00	38.361	38.451		✓	
70	0.21	2.25	37.741	37.963		✓	
80	0.18	2.50	34.530	37.420		✓	✓
100	0.15	2.75	34.446	37.927			✓
120	0.13	3.00	35.524	40.931			✓
140	0.11	3.25	34.876	38.327			✓
170	0.09	3.50	34.404	35.513			✓
200	0.08	3.75	33.146	33.551			✓
230	0.06	4.00	32.894	33.203			✓
270	0.05	4.25	32.962	33.082			
325	0.05	4.50	32.883	32.995			
400	0.04	4.75	33.053	33.119			
450	0.03	5.00	32.703	32.729			
Fines	<0.03	>5	122.827	122.854			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-154
Sampling Date: 9/18/10
Analysis Date: 9/5/12

Container wt.: 6.156
Total wt.: 22.129
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.454	46.651	PIECES OF WOOD		
20	0.85	0.25	43.336	43.391			
25	0.71	0.50	45.771	45.842			
30	0.6	0.75	43.273	43.328			
35	0.5	1.00	41.633	41.700		✓	
40	0.43	1.25	39.718	39.768		✓	
45	0.36	1.50	39.269	39.342		✓	
50	0.3	1.75	39.143	39.226		✓	
60	0.25	2.00	38.356	38.485		✓	
70	0.21	2.25	37.736	37.903		✓	
80	0.18	2.50	36.527	36.846		✓	
100	0.15	2.75	34.438	35.456		✓	✓
120	0.13	3.00	35.532	34.851			✓
140	0.11	3.25	34.872	34.438			✓
170	0.09	3.50	34.396	36.379			✓
200	0.08	3.75	33.148	33.994			
230	0.06	4.00	32.892	33.861			
270	0.05	4.25	32.966	33.361			
325	0.05	4.50	32.862	33.189			
400	0.04	4.75	33.049	33.297			
450	0.03	5.00	32.697	32.806			
Fines	<0.03	> 5	122.826	122.811			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-158
Sampling Date: 9/18/10
Analysis Date: 9/6/12

Container wt.: 6.158
Total wt.: 19.338
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.474	46.606			
20	0.85	0.25	43.361	43.392			
25	0.71	0.50	45.812	45.866			
30	0.6	0.75	43 294	43.352			
35	0.5	1.00	41.647	41.723		✓	
40	0.43	1.25	39.728	39.769		✓	
45	0.36	1.50	39.274	39.343		✓	
50	0.3	1.75	39.145	39 213		✓	
60	0.25	2.00	38.371	38.464		✓	
70	0.21	2.25	37.742	37.862		✓	
80	0.18	2.50	36.535	36.734		✓	✓
100	0.15	2.75	34.441	35.105		✓	✓
120	0.13	3.00	35.533	38.047		✓	✓
140	0.11	3.25	34.928	39.457			✓
170	0.09	3.50	34.398	36.301			
200	0.08	3.75	33.146	34.051			
230	0.06	4.00	32.897	33.589			
270	0.05	4.25	32.968	33.328			
325	0.05	4.50	32.891	33.091			
400	0.04	4.75	33.063	33.203			
450	0.03	5.00	32.722	32.778			
Fines	<0.03	> 5	122.830	122.887			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-162
Sampling Date: 9/18/16
Analysis Date: 9/6/12

Container wt.: 6.159
Total wt.: 22.225
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.452	46.587			
20	0.85	0.25	43.340	43.390			
25	0.71	0.50	45.791	45.878			
30	0.6	0.75	43.280	43.352			
35	0.5	1.00	41.639	41.735		✓	
40	0.43	1.25	39.720	39.780		✓	
45	0.36	1.50	39.273	39.345		✓	
50	0.3	1.75	39.140	39.219		✓	
60	0.25	2.00	38.363	38.484		✓	
70	0.21	2.25	37.736	37.876		✓	
80	0.18	2.50	36.531	36.788		✓	✓
100	0.15	2.75	34.443	35.641		✓	✓
120	0.13	3.00	35.532	40.972		✓	✓
140	0.11	3.25	34.892	39.352			✓
170	0.09	3.50	34.411	36.191			✓
200	0.08	3.75	33.151	33.880			✓
230	0.06	4.00	32.898	33.561			✓
270	0.05	4.25	32.964	33.189			
325	0.05	4.50	32.887	33.030			
400	0.04	4.75	33.057	33.164			
450	0.03	5.00	32.712	32.750			
Fines	<0.03	> 5	122.826	122.878			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-166
Sampling Date: 9/18/10
Analysis Date: 9/6/12

Container wt.: 6.157
Total wt.: 20.574
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.450	46.501			
20	0.85	0.25	43.338	43.370			
25	0.71	0.50	45.782	45.839			
30	0.6	0.75	43.278	43 328			
35	0.5	1.00	41.636	41.696		✓	
40	0.43	1.25	39.716	39.758		✓	
45	0.36	1.50	39.271	39.326		✓	
50	0.3	1.75	39.140	39.199		✓	
60	0.25	2.00	38.369	38.453		✓	✓
70	0.21	2.25	37.734	37.870		✓	✓
80	0.18	2.50	36.529	36.821		✓	✓
100	0.15	2.75	34.444	35.952		✓	✓
120	0.13	3.00	35.556	40.964			✓
140	0.11	3.25	34.900	38.943			✓
170	0.09	3.50	34.402	35.683			✓
200	0.08	3.75	33.156	33651			✓
230	0.06	4.00	32.897	33.301			✓
270	0.05	4.25	32.965	33.096			
325	0.05	4.50	32.885	32.957			
400	0.04	4.75	33.056	33.101			
450	0.03	5.00	32.707	32.725			
Fines	<0.03	> 5	122.827	122.848			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-170
Sampling Date: 9/18/10
Analysis Date: 9/6/12

Container wt.: 6.156
Total wt.: 22.475
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.448	46.523			
20	0.85	0.25	43 335	43.358			
25	0.71	0.50	45.791	45.824			
30	0.6	0.75	43.276	43.315			
35	0.5	1.00	41.634	41.687		✓	
40	0.43	1.25	39.715	39.755		✓	
45	0.36	1.50	39.270	39.309		✓	
50	0.3	1.75	39.136	39.180		✓	
60	0.25	2.00	38.366	38.443		✓	✓
70	0.21	2.25	37.733	37.881		✓	✓
80	0.18	2.50	36.521	36.903		✓	✓
100	0.15	2.75	34.435	36.619		✓	✓
120	0.13	3.00	35.549	41.106			
140	0.11	3.25	34.891	39.773			
170	0.09	3.50	34.409	35.791			
200	0.08	3.75	33.154	33.765			
230	0.06	4.00	32.894	33.310			
270	0.05	4.25	32.960	33.108			
325	0.05	4.50	32.881	32.962			
400	0.04	4.75	33.052	33.103			
450	0.03	5.00	32.701	32.723			
Fines	<0.03	> 5	122.825	122.850			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-174
Sampling Date: 9/18/10
Analysis Date: 9/6/12

Container wt.: 6.157
Total wt.: 20.997
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.444	46.584			
20	0.85	0.25	43.334	43.360			
25	0.71	0.50	45.778	45.818			
30	0.6	0.75	43.276	43.316			
35	0.5	1.00	41.634	41.693			
40	0.43	1.25	39.716	39.762			
45	0.36	1.50	39.270	39.328		✓	
50	0.3	1.75	39.136	39.194		✓	
60	0.25	2.00	38.366	~~39.498~~ 38.498		✓	
70	0.21	2.25	37.733	38.862		✓	
80	0.18	2.50	36.530	36.804		✓	✓
100	0.15	2.75	34.440	35.632		✓	✓
120	0.13	3.00	35.531	~~40.~~ 40.439		✓	✓
140	0.11	3.25	39.883	39.304			✓
170	0.09	3.50	34.421	36.264			✓
200	0.08	3.75	33.152	33.760			✓
230	0.06	4.00	32.893	33.374			✓
270	0.05	4.25	32.960	33.118			
325	0.05	4.50	32.882	32.970			
400	0.04	4.75	33.051	33.106			
450	0.03	5.00	32.701	32.714			
Fines	<0.03	> 5	122.828	122.851			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-178
Sampling Date: 9/18/10
Analysis Date: 9/5/12

Container wt.: 6.156
Total wt.: 22.137
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.454	46.545			
20	0.85	0.25	43.339	43.388			
25	0.71	0.50	45.780	45.854			
30	0.6	0.75	43.282	43.348			
35	0.5	1.00	41.640	41.732		✓	
40	0.43	1.25	39.721	39.781		✓	
45	0.36	1.50	39.277	39.352		✓	
50	0.3	1.75	39.141	39.224		✓	
60	0.25	2.00	38.369	38.482		✓	
70	0.21	2.25	37.740	37.938		✓	
80	0.18	2.50	36.532	37.618		✓	✓
100	0.15	2.75	34.448	37.248		✓	✓
120	0.13	3.00	35.541	40.783			✓
140	0.11	3.25	34.897	38.536			✓
170	0.09	3.50	34.424	35.674			✓
200	0.08	3.75	33.159	33.592			✓
230	0.06	4.00	32.890	33.275			
270	0.05	4.25	32.964	33.080			
325	0.05	4.50	32.886	32.955			
400	0.04	4.75	33.052	33.098			
450	0.03	5.00	32.704	32.723			
Fines	<0.03	> 5	122.827	122.839			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-182
Sampling Date: 9/18/10
Analysis Date: 9/8/12

Container wt.: 6.157
Total wt.: 20.268
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.453	46.690			
20	0.85	0.25	43.340	43.390			
25	0.71	0.50	45.779	45.853			
30	0.6	0.75	43.284	43.343			
35	0.5	1.00	41.640	41.719		✓	
40	0.43	1.25	39.723	39.780		✓	
45	0.36	1.50	39.276	39.348		✓	
50	0.3	1.75	39.146	39.221		✓	
60	0.25	2.00	38.370	38.467		✓	
70	0.21	2.25	37.741	37.882		✓	
80	0.18	2.50	36.548	36.812		✓	✓
100	0.15	2.75	34.456	35.280		✓	✓
120	0.13	3.00	35.549	39.728			✓
140	0.11	3.25	34.915	38.887			✓
170	0.09	3.50	34.417	36.189			✓
200	0.08	3.75	33.157	33.860			✓
230	0.06	4.00	32.901	33.527			
270	0.05	4.25	32.966	33.235			
325	0.05	4.50	32.885	33.083			
400	0.04	4.75	33.050	33.229			
450	0.03	5.00	32.703	32.789			
Fines	<0.03	> 5	122.828	122.887			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-186
Sampling Date: 9/18/10
Analysis Date: 9/8/12

Container wt.: 6.156
Total wt.: 22.431
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.451	46.811			
20	0.85	0.25	43.339	43.482			
25	0.71	0.50	45.780	46.009			
30	0.6	0.75	43.282	43.492			
35	0.5	1.00	41.635	41.899			
40	0.43	1.25	39.722	39.913		✓	
45	0.36	1.50	39.275	39.504		✓	
50	0.3	1.75	39.147	39.362		✓	
60	0.25	2.00	38.369	38.617		✓	
70	0.21	2.25	37.743	38.160		✓	
80	0.18	2.50	36.536	37.207		✓	✓
100	0.15	2.75	34.454	36.056			✓
120	0.13	3.00	35.560	38.685			
140	0.11	3.25	34.933	38.330			
170	0.09	3.50	34.421	36.345			
200	0.08	3.75	33.161	34.130			
230	0.06	4.00	32.903	33.793			
270	0.05	4.25	32.969	33.242			
325	0.05	4.50	32.890	33.137			
400	0.04	4.75	33.058	33.322			
450	0.03	5.00	32.700	32.885			
Fines	<0.03	> 5	122.827	122.978			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-190
Sampling Date: 9/18/10
Analysis Date: 9/8/12

Container wt.: 6.156
Total wt.: 23.077
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.458	46.724			
20	0.85	0.25	43.351	43.398			
25	0.71	0.50	45.800	45.871			
30	0.6	0.75	43.300	43.375			
35	0.5	1.00	41.649	41.753		✓	
40	0.43	1.25	39.725	39.806		✓	
45	0.36	1.50	39.287	39.390		✓	
50	0.3	1.75	39.154	39.283		✓	
60	0.25	2.00	38.375	38.571		✓	
70	0.21	2.25	37.750	37.961		✓	
80	0.18	2.50	34.562	37.072		✓	✓
100	0.15	2.75	34.453	35.869		✓	✓
120	0.13	3.00	35.557	39.187		✓	✓
140	0.11	3.25	34.954	40.156			✓
170	0.09	3.50	34.424	36.513			✓
200	0.08	3.75	33.165	34.198			
230	0.06	4.00	32.903	33.718			
270	0.05	4.25	32.969	33.254			
325	0.05	4.50	32.890	33.083			
400	0.04	4.75	33.058	33.224			
450	0.03	5.00	32.714	32.801			
Fines	<0.03	> 5	127.828	122.895			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-194
Sampling Date: 9/18/10
Analysis Date: 9/8/12

Container wt.: 6.158
Total wt.: 19.712
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.452	46.526			
20	0.85	0.25	43.344	43.377			
25	0.71	0.50	45.787	45.838			
30	0.6	0.75	43.289	43.352			
35	0.5	1.00	41.639	41.721			
40	0.43	1.25	39.722	39.782			
45	0.36	1.50	39.277	39.365		✓	
50	0.3	1.75	39.150	39.236		✓	
60	0.25	2.00	38.380	38.486		✓	
70	0.21	2.25	37.746	37.872		✓	
80	0.18	2.50	36.544	34.728		✓	✓
100	0.15	2.75	34.452	35.032		✓	✓
120	0.13	3.00	35.541	38.594			✓
140	0.11	3.25	34.945	39.267			✓
170	0.09	3.50	34.439	36.456			✓
200	0.08	3.75	33.164	34.137			✓
230	0.06	4.00	32.901	33.738			
270	0.05	4.25	32.962	33.229			
325	0.05	4.50	32.886	33.083			
400	0.04	4.75	33.054	33.212			
450	0.03	5.00	32.708	32.778			
Fines	<0.03	> 5	122.824	122.896			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-198
Sampling Date: 9/18/10
Analysis Date: 9/8/12

Container wt.: 6.157
Total wt.: 21.283
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.452	46.550			
20	0.85	0.25	43.341	43.377			
25	0.71	0.50	45.785	45.834			
30	0.6	0.75	43.285	43.331			
35	0.5	1.00	41.637	41.704		✓	
40	0.43	1.25	39.720	39.777		✓	
45	0.36	1.50	39.276	39.349		✓	
50	0.3	1.75	39.143	39.221		✓	
60	0.25	2.00	38.376	38.479		✓	
70	0.21	2.25	37.739	37.856		✓	
80	0.18	2.50	36.530	36.724		✓	
100	0.15	2.75	34.443	35.032		✓	✓
120	0.13	3.00	35.554	39.087			✓
140	0.11	3.25	34.923	39.717			✓
170	0.09	3.50	34.423	36.839			✓
200	0.08	3.75	33.164	34.255			✓
230	0.06	4.00	32.900	33.861			
270	0.05	4.25	32.965	33.265			
325	0.05	4.50	32.886	33.090			
400	0.04	4.75	33.057	33.200			
450	0.03	5.00	32.704	32.767			
Fines	<0.03	> 5	122.826	122.889			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-202
Sampling Date: 9/18/10
Analysis Date: 9/8/12

Container wt.: 6.157
Total wt.: 20.757
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.451	46.611			
20	0.85	0.25	43.338	43.378			
25	0.71	0.50	45.783	45.835			
30	0.6	0.75	43.283	43.328			
35	0.5	1.00	41.635	41.690		✓	
40	0.43	1.25	39.721	39.773		✓	
45	0.36	1.50	34.274	39.329		✓	
50	0.3	1.75	39.144	39.205		✓	
60	0.25	2.00	38.374	38.461		✓	
70	0.21	2.25	37.738	37.834		✓	
80	0.18	2.50	36.529	36.680		✓	✓
100	0.15	2.75	34.441	35.071		✓	✓
120	0.13	3.00	35.547	39.171		✓	✓
140	0.11	3.25	34.928	38.813			✓
170	0.09	3.50	34.422	36.583			✓
200	0.08	3.75	33.163	34.226			
230	0.06	4.00	32.900	33.914			
270	0.05	4.25	32.966	33.418			
325	0.05	4.50	32.887	33.233			
400	0.04	4.75	33.055	33.327			
450	0.03	5.00	32.704	32.808			
Fines	<0.03	> 5	122.826	122.928			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-206
Sampling Date: 9/18/10
Analysis Date: 9/8/12

Container wt.: 6.157
Total wt.: 20.192
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.447	46.491			
20	0.85	0.25	43.339	43.362			
25	0.71	0.50	45.781	45.817			
30	0.6	0.75	43.281	43.314			
35	0.5	1.00	41.635	41.680		✓	
40	0.43	1.25	39.724	39.756		✓	
45	0.36	1.50	39.276	39.325		✓	
50	0.3	1.75	39.141	39.192		✓	
60	0.25	2.00	38.371	38.439		✓	✓
70	0.21	2.25	37.736	37.811		✓	✓
80	0.18	2.50	36.529	36.644		✓	✓
100	0.15	2.75	34.442	34.979		✓	✓
120	0.13	3.00	35.563	39.791			✓
140	0.11	3.25	34.421	39.580			✓
170	0.09	3.50	34.417	36.002			✓
200	0.08	3.75	33.156	34.048			✓
230	0.06	4.00	32.894	33.642			
270	0.05	4.25	32.964	33.234			
325	0.05	4.50	32.885	33.096			
400	0.04	4.75	33.054	33.260			
450	0.03	5.00	32.702	32.762			
Fines	<0.03	> 5	122.826	122.940			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C3-210
Sampling Date: 9/18/10
Analysis Date: 9/8/12

Container wt.: 6.158
Total wt.: 20.624
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.446	46.537			
20	0.85	0.25	43.337	43.360			
25	0.71	0.50	45.778	45.808			
30	0.6	0.75	43.279	43.307			
35	0.5	1.00	41.633	41.672		✓	
40	0.43	1.25	39.717	39.747		✓	
45	0.36	1.50	39.274	39.306		✓	
50	0.3	1.75	39.141	39.177		✓	
60	0.25	2.00	38.369	38.423		✓	
70	0.21	2.25	37.739	37.800		✓	
80	0.18	2.50	36.578	36.644		✓	✓
100	0.15	2.75	34.442	35.048		✓	✓
120	0.13	3.00	35.580	39.223			✓
140	0.11	3.25	34.928	39.598			
170	0.09	3.50	34.420	36.737			
200	0.08	3.75	33.166	34.192			
230	0.06	4.00	32.900	33.737			✓
270	0.05	4.25	32.969	33.293			
325	0.05	4.50	32.888	33.085			
400	0.04	4.75	33.053	33.191			
450	0.03	5.00	32.696	32.749			
Fines	<0.03	> 5	122.824	122.872			

Vibracore C4

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-002
Sampling Date: 9/18/10
Analysis Date: 8/24/12

Container wt.: 6.157
Total wt.: 19.001
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.609	49.610			
18	1	0.00	46.438	46.538			
20	0.85	0.25	43.329	43.354			
25	0.71	0.50	45.766	45.827			
30	0.6	0.75	43.261	43.324			
35	0.5	1.00	41.636	41.904			
40	0.43	1.25	39.715	40.113			
45	0.36	1.50	39.068	40.257			
50	0.3	1.75	39.194	41.286		✓	✓
60	0.25	2.00	38.442	41.614		✓	✓
70	0.21	2.25	37.771	40.138			✓
80	0.18	2.50	36.530	37.700			✓
100	0.15	2.75	34.459	35.133			✓
120	0.13	3.00	35.497	36.075			✓
140	0.11	3.25	34.846	35.241			✓
170	0.09	3.50	34.368	34.503			
200	0.08	3.75	33.121	33.163			
230	0.06	4.00	32.886	32.910			
Fines	<0.06	> 4	122.821	122.865			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-006
Sampling Date: 9/18/10
Analysis Date: 8/24/12

Container wt.: 6.156
Total wt.: 18.530
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.609	49.638			
18	1	0.00	46.437	46.542			
20	0.85	0.25	43.328	43365			
25	0.71	0.50	45,764	45.823			
30	0.6	0.75	43.258	43.337			
35	0.5	1.00	41.634	41.930			
40	0.43	1.25	39.715	40.186			
45	0.36	1.50	39.071	40.341			
50	0.3	1.75	39.203	41.330			
60	0.25	2.00	38.529	41.515			✓
70	0.21	2.25	37.764	40.006			✓
80	0.18	2.50	36.530	37.578			✓✓
100	0.15	2.75	34.450	34.998			✓✓
120	0.13	3.00	35.495	35.930			✓✓
140	0.11	3.25	34.840	35.104			✓✓
170	0.09	3.50	34.360	34.444			✓✓
200	0.08	3.75	33.121	33.140			
230	0.06	4.00	32.886	32.901			
Fines	<0.06	> 4	122.821	122.852			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-010
Sampling Date: 9/18/10
Analysis Date: 8/24/12

Container wt.: 6.156
Total wt.: 19.421
Sample wt.: _____

Observations: COMPLETE GASTROPOD SHELL

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.605	49.623			
18	1	0.00	46.436	46.436			
20	0.85	0.25	43.326	43.335			
25	0.71	0.50	45.762	45.781			
30	0.6	0.75	43.257	43.314			
35	0.5	1.00	41.632	41.923			
40	0.43	1.25	39.717	40.203			
45	0.36	1.50	38.074	40.457			
50	0.3	1.75	39.201	41.616		✓	
60	0.25	2.00	38.458	42.060		✓	✓
70	0.21	2.25	37.770	40.284		✓	✓
80	0.18	2.50	36.537	37.731			✓✓
100	0.15	2.75	34.446	35.004			✓✓
120	0.13	3.00	35.491	35.843			✓✓
140	0.11	3.25	34.828	35.013			✓✓
170	0.09	3.50	34.357	34.400			
200	0.08	3.75	33.117	33.125			
230	0.06	4.00	32.884	32.888			
Fines	<0.06	> 4	122.822	122.839			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-014
Sampling Date: 9/18/10
Analysis Date: 8/24/12

Container wt.: 6.155
Total wt.: 18.883
Sample wt.:

Observations: COMPLETE GASTROPOD SHELL

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.621	49.617			
18	1	0.00	46.434	46.440			
20	0.85	0.25	43.325	43.325			
25	0.71	0.50	45.760	45.774			
30	0.6	0.75	43.254	43.285			
35	0.5	1.00	41.681	41.814			
40	0.43	1.25	39.718	40.074			
45	0.36	1.50	39.080	40.165			
50	0.3	1.75	39.206	41.260			
60	0.25	2.00	38.495	41.595			
70	0.21	2.25	37.770	40.680			✓
80	0.18	2.50	34.532	37.869			✓
100	0.15	2.75	34.447	35.194			✓
120	0.13	3.00	35.487	36.122			✓✓
140	0.11	3.25	34.826	35.263			✓✓
170	0.09	3.50	34.356	34.489			✓✓
200	0.08	3.75	33.115	33.154			
230	0.06	4.00	32.884	32.906			
Fines	<0.06	> 4	122.823	122.860			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-018
Sampling Date: 9/15/10
Analysis Date: 8/24/12

Container wt.: 6.157
Total wt.: 19.936
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.617	49.623			
18	1	0.00	46.434	46.447			
20	0.85	0.25	43.325	43.331			
25	0.71	0.50	45.759	45.777			
30	0.6	0.75	43.250	43.280			
35	0.5	1.00	41.629	41.754			
40	0.43	1.25	39.715	39.971			
45	0.36	1.50	39.080	39.854			
50	0.3	1.75	39.206	40.816		✓	✓
60	0.25	2.00	38.525	41.446		✓	✓
70	0.21	2.25	37.781	40.764		✓	✓
80	0.18	2.50	36.539	38.532		✓	✓
100	0.15	2.75	34.448	35.510			✓
120	0.13	3.00	35.492	36.403			✓
140	0.11	3.25	34.826	35.405			✓
170	0.09	3.50	34.354	34.534			✓
200	0.08	3.75	33.114	33.169			
230	0.06	4.00	32.882	32.917			
Fines	<0.06	> 4	122.822	122.858			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-022
Sampling Date: 9/18/10
Analysis Date: 8/24/12

Container wt.: 6.155
Total wt.: 20.283
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.613	49.620			
18	1	0.00	46.432	46.611			
20	0.85	0.25	43.324	43.362			
25	0.71	0.50	45.760	45.819			
30	0.6	0.75	43.249	43.306			
35	0.5	1.00	41.632	41.846			
40	0.43	1.25	39.718	40.070			
45	0.36	1.50	39.080	40.041			
50	0.3	1.75	39.201	41.029		✓	✓
60	0.25	2.00	38.572	41.404		✓	✓
70	0.21	2.25	37.797	40.256		✓	✓
80	0.18	2.50	36.556	38.173			✓
100	0.15	2.75	34.463	35.461			✓
120	0.13	3.00	35.494	36.550			✓
140	0.11	3.25	34.837	35.599			
170	0.09	3.50	34.353	34.617			
200	0.08	3.75	33.114	33.203			
230	0.06	4.00	32.881	32.945			
Fines	<0.06	> 4	122.827	122.903			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C41-006
Sampling Date: 9/18/10
Analysis Date: 8/24/12

Container wt.: 6.156
Total wt.: 18.998
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.610	49.606			
18	1	0.00	46.432	46.503			
20	0.85	0.25	43.324	43.341			
25	0.71	0.50	45.758	45.798			
30	0.6	0.75	43.250	43.280			
35	0.5	1.00	41.631	41.757			
40	0.43	1.25	39.718	39.937			
45	0.36	1.50	39.079	39.637			
50	0.3	1.75	39.203	40.239		✓	
60	0.25	2.00	38.480	40.318		✓	✓
70	0.21	2.25	37.777	39.678		✓	✓
80	0.18	2.50	36.539	38.395		✓	✓
100	0.15	2.75	34.458	35.928		✓	✓
120	0.13	3.00	35.504	37.204		✓	✓
140	0.11	3.25	34.837	36.088			✓
170	0.09	3.50	34.353	34.716			✓
200	0.08	3.75	33.116	33.224			
230	0.06	4.00	32.883	32.948			
Fines	<0.06	> 4	122.822	122.888			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-030
Sampling Date: 9/18/10
Analysis Date: 8/24/12

Container wt.: 6.155
Total wt.: 19.831
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.607	49.654			
18	1	0.00	46.430	46.514			
20	0.85	0.25	43.322	43.369			
25	0.71	0.50	45.758	45.812			
30	0.6	0.75	43.247	43.294			
35	0.5	1.00	41.628	41.761			
40	0.43	1.25	39.713	39.913			
45	0.36	1.50	39.079	39.615		✓	
50	0.3	1.75	39.199	40.186		✓	
60	0.25	2.00	38.495	40.050		✓	✓
70	0.21	2.25	37.770	39.289		✓	✓
80	0.18	2.50	36.598	38.025		✓	✓
100	0.15	2.75	34.452	35.741		✓	✓
120	0.13	3.00	35.495	37.476			✓
140	0.11	3.25	34.836	36.940			
170	0.09	3.50	34.350	35.170			
200	0.08	3.75	33.112	33.412			
230	0.06	4.00	32.880	33.089			
Fines	<0.06	> 4	122.821	122.988			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-034
Sampling Date: 9/18/10
Analysis Date: 8/24/12

Container wt.: 6.156
Total wt.: 20.968
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.615	49.614			
18	1	0.00	46.430	46.517			
20	0.85	0.25	43.320	43.347			
25	0.71	0.50	45.759	45.795			
30	0.6	0.75	43.247	43.270			
35	0.5	1.00	41.626	41.698			
40	0.43	1.25	39.712	39.813			
45	0.36	1.50	39.076	39.397			
50	0.3	1.75	39.202	39.888		✓	✓
60	0.25	2.00	38.485	39.888		–	✓
70	0.21	2.25	37.773	39.421		✓	✓
80	0.18	2.50	36.543	38.345		✓	✓
100	0.15	2.75	34.445	36.108			✓
120	0.13	3.00	35.495	37.774			–
140	0.11	3.25	34.830	37.225			
170	0.09	3.50	34.351	35.442			
200	0.08	3.75	33.112	33.556			
230	0.06	4.00	32.879	33.222			
Fines	<0.06	> 4	122.822	123.107			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-038
Sampling Date: 9/18/10
Analysis Date: 8/24/12

Container wt.: 6.156
Total wt.: 21.883
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.612	49.609			
18	1	0.00	46.429	46.459			
20	0.85	0.25	43.321	43.331			
25	0.71	0.50	45.760	45.780			
30	0.6	0.75	43.248	43.268			
35	0.5	1.00	41.626	41.715			
40	0.43	1.25	39.713	39.907			
45	0.36	1.50	39.676	39.676			
50	0.3	1.75	39.204	40.401		✓	
60	0.25	2.00	38.522	40.572		✓	✓
70	0.21	2.25	37.777	39.969		✓	✓
80	0.18	2.50	36.529	38.593		✓	✓
100	0.15	2.75	34.450	36.124			✓
120	0.13	3.00	35.516	37.375		✓	✓
140	0.11	3.25	34.835	36.865			✓
170	0.09	3.50	34.360	35.223			
200	0.08	3.75	33.114	33.431			
230	0.06	4.00	32.881	33.089			
Fines	<0.06	> 4	122.820	122.979			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-042
Sampling Date: 9/18/10
Analysis Date: 8/24/12

Container wt.: 6.155
Total wt.: 19.735
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.609	49.604			
18	1	0.00	46.430	46.443			
20	0.85	0.25	43.321	43.325			
25	0.71	0.50	45.759	45.781			
30	0.6	0.75	43.246	43.263			
35	0.5	1.00	41.623	41.690			
40	0.43	1.25	39.713	39.857			
45	0.36	1.50	39.080	39.571			
50	0.3	1.75	39.208	40.265			
60	0.25	2.00	38.548	40.414		✓	
70	0.21	2.25	37.791	39.833		✓	✓
80	0.18	2.50	36.551	38.474		✓	✓
100	0.15	2.75	34.453	35.843		✓	✓
120	0.13	3.00	35.500	37.115			✓
140	0.11	3.25	34.838	36.409			
170	0.09	3.50	34.360	35.018			
200	0.08	3.75	33.114	33.353			
230	0.06	4.00	32.882	33.032			
Fines	<0.06	> 4	122.825	122.946			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-046
Sampling Date: 9/18/10
Analysis Date: 8/24/12

Container wt.: 6.156
Total wt.: 23.091
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.604	49.624			
18	1	0.00	46.426	46.473			
20	0.85	0.25	43.318	43.327			
25	0.71	0.50	45.758	45.770			
30	0.6	0.75	43.246	43.267			
35	0.5	1.00	41.624	41.709			
40	0.43	1.25	39.713	39.909			
45	0.36	1.50	39.083	39.765			
50	0.3	1.75	39.213	40.664		✓	✓
60	0.25	2.00	38.605	41.048		✓	✓
70	0.21	2.25	37.790	40.407		✓	✓
80	0.18	2.50	36.538	38.836		✓	✓
100	0.15	2.75	34.452	36.076		✓	✓✓
120	0.13	3.00	35.504	37.166			✓
140	0.11	3.25	34.833	36.372			
170	0.09	3.50	34.355	34.954			
200	0.08	3.75	33.111	33.306			
230	0.06	4.00	32.817	33.008			
Fi	<0.06	> 4	122.820	122.905			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-050
Sampling Date: 9/18/10
Analysis Date: 8/24/12

Container wt.: 6.157
Total wt.: 21.705
Sample wt.: _____

Observations: _____

S	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.599	49.643			
1	1	0.00	46.423	46.470			
2	0.85	0.25	43.317	43.327			
2	0.71	0.50	45.763	45.775			
3	0.6	0.75	43.241	43.270			
3	0.5	1.00	41.619	41.773			
4	0.43	1.25	39.707	40.002			
4	0.36	1.50	39.079	39.943		✓	
5	0.3	1.75	39.218	40.926		✓	
6	0.25	2.00	38.487	41.183		✓	✓
7	0.21	2.25	37.791	40.336		✓	✓
8	0.18	2.50	36.540	38.654		✓	✓
11	0.15	2.75	34.455	35.869		✓	✓
12	0.13	3.00	35.510	36.880			✓
13	0.11	3.25	34.838	36.109			
14	0.09	3.50	34.363	34.814			
20	0.08	3.75	33.110	33.275			
25	0.06	4.00	32.877	32.960			
Pan	0.06	> 4	122.819	122.880			

Grain-size analysis data sheet
Project: Cedar Island Breach

S: .e No: C4-054
S:)ling Date: 9/18/10
A: 'sis Date: 8/24/12

Container wt.: 6.156
Total wt.: 18.360
Sample wt.: _____

C' .vations: _____

mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
2	-1.00	49.660	49.660			
1	0.00	46.423	46.520			
0.85	0.25	43.319	43.342			
0.71	0.50	45.751	45.797			
0.6	0.75	43.248	43.268			
0.5	1.00	41.618	41.717			
.43	1.25	39.708	39.833			
.36	1.50	39.089	39.399		✓	
0.3	1.75	39.222	39.834		✓	
.25	2.00	38.559	39.785		✓	✓
.21	2.25	37.812	39382		✓	✓
.18	2.50	36.535	38.336		✓	✓
.15	2.75	34.466	36.042			✓
.13	3.00	35.495	37.261			✓
.11	3.25	34.838	36.452			✓
.09	3.50	34.355	34.998			
.08	3.75	33.110	33.330			
.06	4.00	32.876	33.000			
.06	> 4	122.823	122.936			

Grain-size analysis data sheet
Project: Cedar Island Breach

No: C4-058
g Date: 9/18/10
s Date: 8/24/12

Container wt.: 6.158
Total wt.: 20.344
Sample wt.: _____

ations: _____

nm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
2	-1.00	49.598	49.595			
1	0.00	46.423	46.456			
.85	0.25	43.317	43.349			
71	0.50	45.758	45.828			
0.6	0.75	43.239	43.279			
.5	1.00	41.617	41.673			
43	1.25	39.709	39.749			
.36	1.50	39.087	39.146			
.3	1.75	39.214	39.333		✓	
25	2.00	38.493	38.923		✓	✓
21	2.25	37.825	38.839		✓	✓
.18	2.50	36.538	38.654		✓	✓
.15	2.75	34.459	36.893			✓
.13	3.00	35.506	38.476			✓
11	3.25	34.843	37.409			
09	3.50	34.361	35.478			
08	3.75	33.110	33.505			
06	4.00	32.874	33.188			
.06	> 4	122.819	123.112			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-062
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.156
Total wt.: 21.455
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.592	49.606			
18	1	0.00	46.425	46.571			
20	0.85	0.25	43.314	43.366			
25	0.71	0.50	45.753	45.827			
30	0.6	0.75	43.241	43.296			
35	0.5	1.00	41.617	41.687			
40	0.43	1.25	39.707	39.758			
45	0.36	1.50	39.085	39.152			
50	0.3	1.75	39.211	39.299			
60	0.25	2.00	38.479	38.649			
70	0.21	2.25	37.824	38.178			
80	0.18	2.50	36.575	36.996			
100	0.15	2.75	34.478	36.324			
120	0.13	3.00	35.531	38.466			
140	0.11	3.25	34.845	38.521			
170	0.09	3.50	34.366	36.472			
200	0.08	3.75	33.110	33.981			
230	0.06	4.00	32.876	33.738			
270	0.05	4.25	32.952	33.624			
325	0.05	4.50	32.872	33.198			
400	0.04	4.75	33.034	33.188			
450	0.03	5.00	32.698	32.819			
Fines	<0.03	> 5	122.823	122.865			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-066
Sampling Date: 9/18/10
Analysis Date: 1/2/13

Container wt.: 6.156
Total wt.: 19.451
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.593	49.635			
18	1	0.00	46.423	46.766			
20	0.85	0.25	43.320	43.412			
25	0.71	0.50	45.756	45.878			
30	0.6	0.75	43.243	43.312			
35	0.5	1.00	41.620	41.704			
40	0.43	1.25	39.708	39.769			
45	0.36	1.50	39.082	39.159			
50	0.3	1.75	39.211	39.291			
60	0.25	2.00	38.466	38.590			
70	0.21	2.25	37.819	38.009			
80	0.18	2.50	36.549	36.927			
100	0.15	2.75	34.471	35.555			
120	0.13	3.00	35.517	38.179			
140	0.11	3.25	34.847	37.908			
170	0.09	3.50	34.374	36.125			
200	0.08	3.75	33.119	33.880			
230	0.06	4.00	32.877	33.739			
270	0.05	4.25	32.946	33.592			
325	0.05	4.50	32.873	33.205			
400	0.04	4.75	33.038	33.225			
450	0.03	5.00	32.689	32.793			
Fines	<0.03	> 5	122.821	122.872			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-070
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.155
Total wt.: 20.134
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.593	49.591			
18	1	0.00	46.425	46.449			
20	0.85	0.25	43.319	43.336			
25	0.71	0.50	45.756	45.793			
30	0.6	0.75	43.244	43.259			
35	0.5	1.00	41.621	41.656			
40	0.43	1.25	39.710	39.735			
45	0.36	1.50	39.081	39.125			
50	0.3	1.75	39.209	39.267			
60	0.25	2.00	38.471	38.607			
70	0.21	2.25	37.802	38.110			
80	0.18	2.50	36.537	37.337			
100	0.15	2.75	34.468	36.349			
120	0.13	3.00	35.508	39.155			
140	0.11	3.25	34.848	38.447			
170	0.09	3.50	34.372	35.865			
200	0.08	3.75	33.119	33.640			
230	0.06	4.00	32.882	33.424			
270	0.05	4.25	32.946	33.272			
325	0.05	4.50	32.873	33.057			
400	0.04	4.75	33.038	33.132			
450	0.03	5.00	32.689	32.741			
Fines	<0.03	> 5	122.822	122.869			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-074
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.156
Total wt.: 21.108
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.591	49.631			
18	1	0.00	46.424	46.597			
20	0.85	0.25	43.319	43.374			
25	0.71	0.50	45.756	45.820			
30	0.6	0.75	43.242	43.373			
35	0.5	1.00	41.620	41.674			
40	0.43	1.25	39.710	39.751			
45	0.36	1.50	39.082	39.141			
50	0.3	1.75	39.210	39.271			
60	0.25	2.00	38.463	38.562			
70	0.21	2.25	37.798	38.010			
80	0.18	2.50	36.535	37.074			
100	0.15	2.75	34.474	36.245			
120	0.13	3.00	35.514	39.299			
140	0.11	3.25	34.844	38.260			
170	0.09	3.50	34.372	36.111			
200	0.08	3.75	33.117	33.793			
230	0.06	4.00	32.879	33.676			
270	0.05	4.25	32.951	33.504			
325	0.05	4.50	32.869	33.190			
400	0.04	4.75	33.034	33.312			
450	0.03	5.00	32.700	32.773			
Fines	<0.03	> 5	122.824	122.876			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-078
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.156
Total wt.: 20.286
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.542	49.588			
18	1	0.00	46.425	46.499			
20	0.85	0.25	43.319	43.347			
25	0.71	0.50	45.757	45.789			
30	0.6	0.75	43.240	43.274			
35	0.5	1.00	41.619	41.662			
40	0.43	1.25	39.708	39.741			
45	0.36	1.50	39.079	39.126			
50	0.3	1.75	39.207	39.257			
60	0.25	2.00	38.453	38.544			
70	0.21	2.25	37.797	38.002			
80	0.18	2.50	36.530	37.085			
100	0.15	2.75	34.470	36.211			
120	0.13	3.00	35.537	38.569			
140	0.11	3.25	34.844	38.849			
170	0.09	3.50	34.369	35.891			
200	0.08	3.75	33.121	33.623			
230	0.06	4.00	32.880	33.351			
270	0.05	4.25	32.949	33.272			
325	0.05	4.50	32.871	33.023			
400	0.04	4.75	33.039	33.103			
450	0.03	5.00	32.682	32.714			
Fines	<0.03	> 5	122.823	122.851			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-082
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.156
Total wt.: 21.228
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.604	49.604			
18	1	0.00	46.435	46.519			
20	0.85	0.25	43.329	43.347			
25	0.71	0.50	45.765	45.786			
30	0.6	0.75	43.252	43.267			
35	0.5	1.00	41.630	41.660			
40	0.43	1.25	39.719	39.742			
45	0.36	1.50	39.089	39.120			
50	0.3	1.75	39.215	39.256			
60	0.25	2.00	38.453	38.516			
70	0.21	2.25	37.806	37.950			
80	0.18	2.50	36.544	37.064			
100	0.15	2.75	34.477	37.341			
120	0.13	3.00	35.526	40.335			
140	0.11	3.25	34.853	38.497			
170	0.09	3.50	34.381	35.648			
200	0.08	3.75	33.127	33.673			
230	0.06	4.00	32.885	33.300			
270	0.05	4.25	32.946	33.224			
325	0.05	4.50	32.868	32.974			
400	0.04	4.75	33.038	33.089			
450	0.03	5.00	32.702	32.741			
Fines	<0.03	> 5	122.825	122.872			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-086
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.157
Total wt.: 19.078
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.602	49.665			
18	1	0.00	46.433	46.796			
20	0.85	0.25	43.328	43.415			
25	0.71	0.50	45.765	45.862			
30	0.6	0.75	43.252	43.322			
35	0.5	1.00	41.629	41.728			
40	0.43	1.25	39.716	39.784			
45	0.36	1.50	39.088	39.165			
50	0.3	1.75	39.216	39.291			
60	0.25	2.00	38.444	38.546			
70	0.21	2.25	37.804	37.916			
80	0.18	2.50	36.539	36.788			
100	0.15	2.75	34.477	35.116			
120	0.13	3.00	35.520	37.875			
140	0.11	3.25	34.861	38.220			
170	0.09	3.50	34.380	36.607			
200	0.08	3.75	33.124	34.064			
230	0.06	4.00	32.885	33.831			
270	0.05	4.25	32.946	33.560			
325	0.05	4.50	32.868	33.084			
400	0.04	4.75	33.038	33.080			
450	0.03	5.00	32.702	32.731			
Fines	<0.03	> 5	122.822	122.858			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-090
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.157
Total wt.: 17.186
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.603	49.703			
18	1	0.00	46.437	46.838			
20	0.85	0.25	43.331	43.441			
25	0.71	0.50	45.765	45.920			
30	0.6	0.75	43.252	43.363			
35	0.5	1.00	41.629	41.782			
40	0.43	1.25	39.720	39.825			
45	0.36	1.50	39.086	39.216			
50	0.3	1.75	39.216	39.327			
60	0.25	2.00	38.460	38.591			
70	0.21	2.25	37.809	37.948			
80	0.18	2.50	36.540	36.742			
100	0.15	2.75	34.475	34.981			
120	0.13	3.00	35.539	37.210			
140	0.11	3.25	34.862	37.288			
170	0.09	3.50	34.383	36.018			
200	0.08	3.75	33.125	33.963			
230	0.06	4.00	32.885	33.876			
270	0.05	4.25	32.952	33.494			
325	0.05	4.50	32.874	33.190			
400	0.04	4.75	33.091	33.242			
450	0.03	5.00	32.746	38.828			
Fines	<0.03	> 5	122.824	122.855			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-094
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.157
Total wt.: 19.190
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.607	49.616			
18	1	0.00	46.438	46.512			
20	0.85	0.25	43.331	43.342			
25	0.71	0.50	45.767	45.790			
30	0.6	0.75	43.253	43.264			
35	0.5	1.00	41.630	41.653			
40	0.43	1.25	39.723	39.741			
45	0.36	1.50	39.088	39.121			
50	0.3	1.75	39.214	39.251			
60	0.25	2.00	38.467	38.523			
70	0.21	2.25	37.808	37.887			
80	0.18	2.50	36.538	36.785			
100	0.15	2.75	34.476	35.530			
120	0.13	3.00	35.528	38.831			
140	0.11	3.25	34.865	38.715			
170	0.09	3.50	34.388	36.146			
200	0.08	3.75	33.124	34.009			
230	0.06	4.00	32.888	33.660			
270	0.05	4.25	32.948	33.271			
325	0.05	4.50	32.871	33.045			
400	0.04	4.75	33.088	33.199			
450	0.03	5.00	32.751	32.830			
Fines	<0.03	> 5	122.822	122.896			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-098
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.157
Total wt.: 19.778
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.604	49.603			
18	1	0.00	46.435	46.523			
20	0.85	0.25	43.329	43.365			
25	0.71	0.50	45.768	45.821			
30	0.6	0.75	43.249	43.287			
35	0.5	1.00	41.627	41.675			
40	0.43	1.25	39.721	39.759			
45	0.36	1.50	39.087	39.139			
50	0.3	1.75	39.212	39.274			
60	0.25	2.00	38.458	38.539			
70	0.21	2.25	37.800	37.902			
80	0.18	2.50	36.537	36.779			
100	0.15	2.75	34.485	35.912			
120	0.13	3.00	35.520	39.600			
140	0.11	3.25	34.863	38.948			
170	0.09	3.50	34.385	35.985			
200	0.08	3.75	33.129	33.694			
230	0.06	4.00	32.885	33.390			
270	0.05	4.25	32.945	33.161			
325	0.05	4.50	32.872	32.974			
400	0.04	4.75	33.089	33.165			
450	0.03	5.00	32.749	32.801			
Fines	<0.03	> 5	122.822	122.856			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-102
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.156
Total wt.: 18.026
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.603	49.612			
18	1	0.00	46.434	46.559			
20	0.85	0.25	43.330	43.361			
25	0.71	0.50	45.763	45.820			
30	0.6	0.75	43.248	43.284			
35	0.5	1.00	41.627	41.676			
40	0.43	1.25	39.720	39.756			
45	0.36	1.50	39.084	39.131			
50	0.3	1.75	39.210	39.266			
60	0.25	2.00	38.458	38.528			
70	0.21	2.25	37.795	37.894			
80	0.18	2.50	36.534	36.710			
100	0.15	2.75	34.477	34.866			
120	0.13	3.00	35.533	37.366			
140	0.11	3.25	34.869	39.022			
170	0.09	3.50	34.382	36.699			
200	0.08	3.75	33.126	33.974			
230	0.06	4.00	32.883	33.631			
270	0.05	4.25	32.951	33.340			
325	0.05	4.50	32.972	33.189			
400	0.04	4.75	33.088	33184			
450	0.03	5.00	32.745	32.787			
Fines	<0.03	> 5	122.821	122.847			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-106
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.156
Total wt.: 19.826
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.600	49.613			
18	1	0.00	46.432	46.705			
20	0.85	0.25	43.326	43.444			
25	0.71	0.50	45.760	45.943			
30	0.6	0.75	43.245	43.387			
35	0.5	1.00	41.627	41.829			
40	0.43	1.25	39.717	39.866			
45	0.36	1.50	39.084	39.264			
50	0.3	1.75	39.210	39.404			
60	0.25	2.00	38.447	38.678			
70	0.21	2.25	37.794	38.018			
80	0.18	2.50	36.532	36.879			
100	0.15	2.75	34.469	35.109			
120	0.13	3.00	35.529	37.490			
140	0.11	3.25	34.869	37.487			
170	0.09	3.50	34.387	36.648			
200	0.08	3.75	33.129	34.271			
230	0.06	4.00	32.886	34.277			
270	0.05	4.25	32.955	33.803			
325	0.05	4.50	32.976	33.233			
400	0.04	4.75	33.092	33.198			
450	0.03	5.00	32.747	32.816			
Fines	<0.03	> 5	122.826	122.864			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-110
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.157
Total wt.: 18.885
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.603	49.677			
18	1	0.00	46.424	47.154			
20	0.85	0.25	43.326	43534			
25	0.71	0.50	45.764	46.039			
30	0.6	0.75	43.255	43.459			
35	0.5	1.00	41.629	41.889			
40	0.43	1.25	39.723	39.885			
45	0.36	1.50	39.085	39.270			
50	0.3	1.75	39.211	39.387			
60	0.25	2.00	38.[illegible]449	38.644			
70	0.21	2.25	37.801	37.997			
80	0.18	2.50	36.533	36.876			
100	0.15	2.75	34.473	35.031			
120	0.13	3.00	35.520	36.811			
140	0.11	3.25	34.863	37.083			
170	0.09	3.50	34.388	36.435			
200	0.08	3.75	33.132	34.148			
230	0.06	4.00	32.889	33.987			
270	0.05	4.25	32.949	33.763			
325	0.05	4.50	32.976	33.329			
400	0.04	4.75	33.091	33.233			
450	0.03	5.00	32.743	32.822			
Fines	<0.03	> 5	122.824	122.887			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-114
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.158
Total wt.: 19.323
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.602	49.678			
18	1	0.00	46.432	46.852			
20	0.85	0.25	43.329	43.450			
25	0.71	0.50	45.763	45.935			
30	0.6	0.75	43.256	43.394			
35	0.5	1.00	41.633	41.821			
40	0.43	1.25	39.724	39.856			
45	0.36	1.50	39.085	39.252			
50	0.3	1.75	39.209	39.369			
60	0.25	2.00	38.440	38.630			
70	0.21	2.25	37.803	38.009			
80	0.18	2.50	36.530	36.913			
100	0.15	2.75	34.466	35.203			
120	0.13	3.00	35.522	37.400			
140	0.11	3.25	34.860	37.246			
170	0.09	3.50	34.385	36.498			
200	0.08	3.75	33.129	34.165			
230	0.06	4.00	32.881	34.098			
270	0.05	4.25	32.946	33.668			
325	0.05	4.50	32.971	33.282			
400	0.04	4.75	33.088	33.329			
450	0.03	5.00	32.742	32.819			
Fines	<0.03	> 5	122.826	122.894			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-118
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.158
Total wt.: 19.306
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.601	49.621			
18	1	0.00	46.433	46.719			
20	0.85	0.25	43.327	43.453			
25	0.71	0.50	45.765	45.913			
30	0.6	0.75	43.257	43.360			
35	0.5	1.00	41.636	41.785			
40	0.43	1.25	39.724	39.829			
45	0.36	1.50	39.083	39.217			
50	0.3	1.75	39.209	39.341			
60	0.25	2.00	38.437	38.593			
70	0.21	2.25	37.805	37.991			
80	0.18	2.50	36.533	36.956			
100	0.15	2.75	34.472	35.316			
120	0.13	3.00	35.536	37.799			
140	0.11	3.25	34.871	37.970			
170	0.09	3.50	34.391	36.491			
200	0.08	3.75	33.137	34.091			
230	0.06	4.00	32.880	33.811			
270	0.05	4.25	32.949	33.461			
325	0.05	4.50	32.972	33.219			
400	0.04	4.75	33.088	33.181			
450	0.03	5.00	32.745	32.788			
Fines	<0.03	> 5	122.822	122.853			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-122
Sampling Date: 9/18/10
Analysis Date: 8/27/12

Container wt.: 6.158
Total wt.: 20.425
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.593	49.629			
18	1	0.00	46.431	46.532			
20	0.85	0.25	43.322	43.364			
25	0.71	0.50	45.750	45.817			
30	0.6	0.75	43.241	43.345			
35	0.5	1.00	41.622	41.681		✓	
40	0.43	1.25	39.701	39.765			
45	0.36	1.50	39.027	39.084		✓	
50	0.3	1.75	39.124	39.254		✓	
60	0.25	2.00	38.289	38.377		✓	
70	0.21	2.25	37.684	37.890		✓	
80	0.18	2.50	36.478	37.442		✓	✓
100	0.15	2.75	34.376	36.519		✓	✓
120	0.13	3.00	35.456	38.373			✓
140	0.11	3.25	34.793	38.213			✓
170	0.09	3.50	34.353	36.232			
200	0.08	3.75	33.119	34.119			
230	0.06	4.00	32.885	33.503			
Fines	<0.06	> 4	122.821	128.204			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-126
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.157
Total wt.: 18.968
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.610	49.718			
18	1	0.00	46.455	46.920			
20	0.85	0.25	43.334	43.474			
25	0.71	0.50	45.775	45.985			
30	0.6	0.75	43.287	43.450			
35	0.5	1.00	41.641	41.852			
40	0.43	1.25	39.732	39.871			
45	0.36	1.50	39.045	39.197			
50	0.3	1.75	39.184	39.336			
60	0.25	2.00	38.321	38.478			
70	0.21	2.25	37.727	37.900			
80	0.18	2.50	36.507	36.812			
100	0.15	2.75	34.430	35.361			
120	0.13	3.00	35.481	37.777			
140	0.11	3.25	34.835	37.608			
170	0.09	3.50	34.401	36.207			
200	0.08	3.75	33.143	34.027			
230	0.06	4.00	32.901	33.806			
270	0.05	4.25	32.952	33.411			
325	0.05	4.50	32.975	33.198			
400	0.04	4.75	33.091	33.177			
450	0.03	5.00	32.750	32.793			
Fines	<0.03	> 5	122.823	122.871			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-130
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.157
Total wt.: 17.867
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.612	49.765			
18	1	0.00	46.458	47.106			
20	0.85	0.25	43.343	43.526			
25	0.71	0.50	45.786	45.999			
30	0.6	0.75	43.293	43.452			
35	0.5	1.00	41.652	41.854			
40	0.43	1.25	39.732	39.867			
45	0.36	1.50	39.045	39.222			
50	0.3	1.75	39.174	39.334			
60	0.25	2.00	38.323	38.502			
70	0.21	2.25	37.733	37.906			
80	0.18	2.50	36.504	36.762			
100	0.15	2.75	34.433	34.960			
120	0.13	3.00	35.496	37.211			
140	0.11	3.25	34.855	37.258			
170	0.09	3.50	34.429	36.103			
200	0.08	3.75	33.146	33.981			
230	0.06	4.00	32.905	33.859			
270	0.05	4.25	32.951	33.476			
325	0.05	4.50	32.971	33.314			
400	0.04	4.75	33.096	33.186			
450	0.03	5.00	32.753	32.809			
Fines	<0.03	> 5	122.823	122.864			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-134
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.157
Total wt.: 17.933
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.613	49.858			
18	1	0.00	46.458	47.144			
20	0.85	0.25	43.342	43.562			
25	0.71	0.50	45.780	46.061			
30	0.6	0.75	43.288	43.511			
35	0.5	1.00	41.651	41.928			
40	0.43	1.25	39.731	39.916			
45	0.36	1.50	39.041	39.254			
50	0.3	1.75	39.167	39.367			
60	0.25	2.00	38.321	38.535			
70	0.21	2.25	37.723	37.927			
80	0.18	2.50	36.505	36.792			
100	0.15	2.75	34.433	35.054			
120	0.13	3.00	35.490	37.207			
140	0.11	3.25	34.833	37.004			
170	0.09	3.50	34.415	35.877			
200	0.08	3.75	33.147	33.867			
230	0.06	4.00	32.907	33.704			
270	0.05	4.25	32.953	33.659			
325	0.05	4.50	32.969	33.320			
400	0.04	4.75	33.097	33.193			
450	0.03	5.00	32.750	32.803			
Fines	<0.03	> 5	122.826	122.870			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C4-138
Sampling Date: 9/18/10
Analysis Date: 1/12/13

Container wt.: 6.157
Total wt.: 18.588
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.613	49.898			
18	1	0.00	46.457	47.471			
20	0.85	0.25	43.342	43.601			
25	0.71	0.50	45.782	46.087			
30	0.6	0.75	43.296	43.500			
35	0.5	1.00	41.657	41.909			
40	0.43	1.25	39.733	39.891			
45	0.36	1.50	39.045	39.221			
50	0.3	1.75	39.168	39.342			
60	0.25	2.00	38.329	38.515			
70	0.21	2.25	37.721	37.902			
80	0.18	2.50	36.506	36.830			
100	0.15	2.75	34.418	35.143			
120	0.13	3.00	35.483	37.239			
140	0.11	3.25	34.838	36.837			
170	0.09	3.50	34.410	35.859			
200	0.08	3.75	33.142	33.983			
230	0.06	4.00	32.903	33.834			
270	0.05	4.25	32.949	33.602			
325	0.05	4.50	32.967	33.440			
400	0.04	4.75	33.096	33.323			
450	0.03	5.00	32.748	32.813			
Fines	<0.03	> 5	122.827	122.873			

Vibracore C5

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C5-002
Sampling Date: 9/18/10
Analysis Date: 8/18/12

Container wt.: 6.155
Total wt.: 21.658
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.607	49.687			
18	1	0.00	46.454	46.536			
20	0.85	0.25	43.335	43.362			
25	0.71	0.50	45.766	45.824			
30	0.6	0.75	43.262	43.323			
35	0.5	1.00	41.639	41.854			
40	0.43	1.25	39.717	40.015			
45	0.36	1.50	39.063	39.836			
50	0.3	1.75	39.167	40.698			✓
60	0.25	2.00	38.339	41.379			✓
70	0.21	2.25	37.698	40.788			✓
80	0.18	2.50	36.505	39.104			✓
100	0.15	2.75	34.415	35.951			✓
120	0.13	3.00	35.470	36.610			✓
140	0.11	3.25	34.802	35.430			✓✓
170	0.09	3.50	34.354	34.524			✓✓
200	0.08	3.75	33.118	33.172			
230	0.06	4.00	32.882	32.917			
Fines	<0.06	> 4	122.819	122.886			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-006
Sampling Date: 9/18/10
Analysis Date: 8/18/12

Container wt.: 6.157
Total wt.: 19.052
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.611	49.610			
18	1	0.00	46.452	46.452			
20	0.85	0.25	43.334	43.342			
25	0.71	0.50	45.767	45.792			
30	0.6	0.75	43.260	43.295			
35	0.5	1.00	41.639	41.785			
40	0.43	1.25	39.716	39.948			
45	0.36	1.50	39.060	39.693			
50	0.3	1.75	39.180	40.461			✓
60	0.25	2.00	38.345	40.927		—	✓
70	0.21	2.25	37.703	40.415		✓	✓
80	0.18	2.50	36.494	38.650			✓
100	0.15	2.75	34.411	35.735			✓✓
120	0.13	3.00	35.468	36.430			✓✓
140	0.11	3.25	34.805	35.300			✓✓
170	0.09	3.50	34.350	34.480			✓✓
200	0.08	3.75	33.117	33.148			
230	0.06	4.00	32.861	32.897			
Fines	<0.06	> 4	122.819	122.850			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-010
Sampling Date: 9/18/10
Analysis Date: 8/18/12

Container wt.: 6.157
Total wt.: 17.589
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.609	49.636			
18	1	0.00	46.448	46.506			
20	0.85	0.25	43.333	43.346			
25	0.71	0.50	45.767	45.807			
30	0.6	0.75	43.259	43.293			
35	0.5	1.00	41.636	41.749			
40	0.43	1.25	39.714	39.909			
45	0.36	1.50	39.058	39.554			
50	0.3	1.75	39.169	40.238		✓	✓
60	0.25	2.00	38.351	40.677		✓	✓
70	0.21	2.25	37.706	40.110			✓
80	0.18	2.50	36.518	38.487			✓
100	0.15	2.75	34.403	35.582			✓
120	0.13	3.00	35.489	36.285			✓✓
140	0.11	3.25	34.803	35.208			✓✓
170	0.09	3.50	34.349	34.454			✓✓
200	0.08	3.75	33.115	33.146			
230	0.06	4.00	32.881	32.900			
Fines	<0.06	> 4	122.822	122.864			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-014
Sampling Date: 9/18/10
Analysis Date: 8/18/12

Container wt.: 6.157
Total wt.: 20.957
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.620	49.641			
18	1	0.00	46.446	46.460			
20	0.85	0.25	43.332	43.340			
25	0.71	0.50	45.767	45.796			
30	0.6	0.75	43.257	43.302			
35	0.5	1.00	41.634	41.783			
40	0.43	1.25	39.714	39.971			
45	0.36	1.50	39.055	39.748			✓
50	0.3	1.75	39.164	40.530		✓	✓
60	0.25	2.00	38.352	41.288		✓	✓
70	0.21	2.25	37.704	40.734		✓	✓
80	0.18	2.50	36.499	38.992		✓	✓
100	0.15	2.75	34.407	35.937			✓✓
120	0.13	3.00	35.459	36.638			✓✓
140	0.11	3.25	34.801	35.464			✓✓
170	0.09	3.50	34.350	34.526			✓✓
200	0.08	3.75	33.116	33.162			
230	0.06	4.00	32.881	32.905			
Fines	<0.06	> 4	122.820	122.859			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-018
Sampling Date: 9/18/10
Analysis Date: 8/18/12

Container wt.: 6.156
Total wt.: 17.426
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.613	49.639			
18	1	0.00	46.443	46.490			
20	0.85	0.25	43.331	43.347			
25	0.71	0.50	45.767	45.801			
30	0.6	0.75	43.255	43.299			
35	0.5	1.00	41.630	41.766			
40	0.43	1.25	39.712	39.923			
45	0.36	1.50	39.057	39.606			
50	0.3	1.75	39.162	40.146			
60	0.25	2.00	38.359	40.252		✓	✓
70	0.21	2.25	37.718	39.726			✓
80	0.18	2.50	36.512	38.282			✓
100	0.15	2.75	34.415	35.651			✓
120	0.13	3.00	35.473	36.610			✓
140	0.11	3.25	34.798	35.558			✓
170	0.09	3.50	34.347	34.580			
200	0.08	3.75	33.113	33.181			
230	0.06	4.00	32.878	32.912			
Fines	<0.06	> 4	122.817	122.849			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-022
Sampling Date: 9/18/10
Analysis Date: 8/18/12

Container wt.: 6.156
Total wt.: 20.940
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.608	49.628			
18	1	0.00	46.439	46.460			
20	0.85	0.25	43.329	43.345			
25	0.71	0.50	45.763	45.791			
30	0.6	0.75	43.256	43.313			
35	0.5	1.00	41.630	41.844			
40	0.43	1.25	39.709	40.054			
45	0.36	1.50	39.055	39.888			
50	0.3	1.75	39.167	40.476			✓
60	0.25	2.00	38.373	41.245			✓
70	0.21	2.25	37.716	40.595			✓
80	0.18	2.50	36.500	38.623			✓
100	0.15	2.75	34.414	35.815			✓✓
120	0.13	3.00	35.462	36.700			✓✓
140	0.11	3.25	34.799	35.607			✓✓
170	0.09	3.50	34.347	34.582			✓✓
200	0.08	3.75	33.113	33.171			
230	0.06	4.00	32.878	32.904			
Fines	<0.06	> 4	122.820	122.847			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-026
Sampling Date: 9/18/10
Analysis Date: 8/18/12

Container wt.: 6,159
Total wt.: 21.671
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.606	49.693			
18	1	0.00	46.440	46.471			
20	0.85	0.25	43.327	43.353			
25	0.71	0.50	45.760	45.827			
30	0.6	0.75	43.254	43.347			
35	0.5	1.00	41.630	41.982			
40	0.43	1.25	39.708	40.188			
45	0.36	1.50	39.057	40.195			
50	0.3	1.75	39.179	40.996			✓
60	0.25	2.00	38.374	41.174			✓
70	0.21	2.25	37.726	40.681			✓
80	0.18	2.50	36.528	38.557			✓
100	0.15	2.75	34.427	35.720			✓✓
120	0.13	3.00	35.483	36.511			✓✓
140	0.11	3.25	34.806	35.455			✓✓
170	0.09	3.50	34.346	34.522			
200	0.08	3.75	33.112	33.153			
230	0.06	4.00	32.877	32.895			
Fines	<0.06	> 4	122.820	122.834			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-030
Sampling Date: 10/8/10
Analysis Date: 1/4/13

Container wt.: 6.156
Total wt.: 19.776
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.623	49.724			
18	1	0.00	46.457	46.764			
20	0.85	0.25	43.334	43.420			
25	0.71	0.50	45.776	45.901			
30	0.6	0.75	43.266	43.393			
35	0.5	1.00	41.638	41.795			
40	0.43	1.25	39.716	39.835			
45	0.36	1.50	39.035	39.201			
50	0.3	1.75	39.154	39.355			
60	0.25	2.00	38.444	38.773			
70	0.21	2.25	37.728	38.321			
80	0.18	2.50	36.571	37.806			
100	0.15	2.75	34.408	35.804			
120	0.13	3.00	35.481	37.178			
140	0.11	3.25	34.811	36.616			
170	0.09	3.50	34.373	35.784			
200	0.08	3.75	33.126	34.245			
230	0.06	4.00	32.892	33.881			
270	0.05	4.25	32.957	33.634			
325	0.05	4.50	32.968	33.460			
400	0.04	4.75	33.095	33.381			
450	0.03	5.00	32.750	32.922			
Fines	<0.03	> 5	122.823	122.874			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-034
Sampling Date: 10/8/10
Analysis Date: 1/4/10

Container wt.: 6.158
Total wt.: 17.905
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.622	49.626			
18	1	0.00	46.457	46.599			
20	0.85	0.25	43.334	43.382			
25	0.71	0.50	45.770	45.825			
30	0.6	0.75	43.274	43.311			
35	0.5	1.00	41.645	41.715			
40	0.43	1.25	39.720	39.770			
45	0.36	1.50	39.037	39.109			
50	0.3	1.75	39.159	39.254			
60	0.25	2.00	38.441	38.727			
70	0.21	2.25	37.133	38.567			
80	0.18	2.50	36.529	38.542			
100	0.15	2.75	34.409	36.526			
120	0.13	3.00	35.485	37.753			
140	0.11	3.25	34.819	36.500			
170	0.09	3.50	34.373	35.063			
200	0.08	3.75	33.129	33.441			
230	0.06	4.00	32.898	33.229			
270	0.05	4.25	32.963	33.204			
325	0.05	4.50	32.965	33.148			
400	0.04	4.75	33.099	33.188			
450	0.03	5.00	32.756	32.808			
Fines	<0.03	> 5	122.877	122.898			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-038
Sampling Date: 10/8/10
Analysis Date: 1/4/13

Container wt.: 6.157
Total wt.: 19.025
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.616	49.616			
18	1	0.00	46.456	46.549			
20	0.85	0.25	43.334	43.355			
25	0.71	0.50	45.770	45.819			
30	0.6	0.75	43.267	43.295			
35	0.5	1.00	41.642	41.687			
40	0.43	1.25	39.718	39.753			
45	0.36	1.50	39.036	39.087			
50	0.3	1.75	39.153	39.228			
60	0.25	2.00	38.392	38.695			
70	0.21	2.25	37.774	38.748			
80	0.18	2.50	36.540	38.984			
100	0.15	2.75	34.408	37.029			
120	0.13	3.00	35.495	38.114			
140	0.11	3.25	34.820	36.733			
170	0.09	3.50	34.369	35.095			
200	0.08	3.75	33.126	33.398			
230	0.06	4.00	32.891	33.119			
270	0.05	4.25	32.959	33.118			
325	0.05	4.50	32.967	33.055			
400	0.04	4.75	33.100	33.144			
450	0.03	5.00	32.762	32.798			
Fines	<0.03	> 5	122.826	122.845			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C5-042
Sampling Date: 9/18/10
Analysis Date: 8/21/12

Container wt.: 6.155
Total wt.: 21.363
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.617	49.618			
18	1	0.00	46.449	46.471			
20	0.85	0.25	43.332	43.336			
25	0.71	0.50	45.766	45.776			
30	0.6	0.75	43.260	43.282			
35	0.5	1.00	41.639	41.729			
40	0.43	1.25	39.718	39.853			
45	0.36	1.50	39.076	39.518			
50	0.3	1.75	39.191	40.563			
60	0.25	2.00	38.446	42.067			
70	0.21	2.25	37.742	42.321		✓	✓
80	0.18	2.50	36.553	38.847			✓
100	0.15	2.75	34.433	35.429			✓
120	0.13	3.00	35.476	36.081			✓✓
140	0.11	3.25	34.811	35.226			✓✓
170	0.09	3.50	34.351	34.513			
200	0.08	3.75	33.116	33.165			
230	0.06	4.00	32.884	32.911			
Fines	<0.06	> 4	122.820	122.842			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-046
Sampling Date: 9/18/10
Analysis Date: 8/21/12

Container wt.: 6.155
Total wt.: 22.318
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.618	49.615			
18	1	0.00	46.438	46.440			
20	0.85	0.25	43.328	43.327			
25	0.71	0.50	45.761	45.764			
30	0.6	0.75	43.256	43.273			
35	0.5	1.00	41.635	41.700			
40	0.43	1.25	39.713	39.830			
45	0.36	1.50	39.073	39.518			
50	0.3	1.75	39.196	40.607		✓	
60	0.25	2.00	38.439	42.455			
70	0.21	2.25	37.747	42.421			
80	0.18	2.50	36.544	39.058			✓
100	0.15	2.75	34.444	35.516			✓
120	0.13	3.00	35.477	36.123			✓✓
140	0.11	3.25	34.812	35.309			✓✓
170	0.09	3.50	34.349	34.570			
200	0.08	3.75	33.115	33.191			
230	0.06	4.00	32.883	32.921			
Fines	<0.06	> 4	122.821	122.853			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-050
Sampling Date: 9/18/10
Analysis Date: 8/21/12

Container wt.: 6.154
Total wt.: 17.371
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.618	49.619			
18	1	0.00	46.440	46.457			
20	0.85	0.25	43.331	43.346			
25	0.71	0.50	45.764	45.790			
30	0.6	0.75	43.257	43.289			
35	0.5	1.00	41.638	41.754			
40	0.43	1.25	36.714	36.868			
45	0.36	1.50	39.073	39.444			
50	0.3	1.75	39.204	40.076			
60	0.25	2.00	38.447	40.860			
70	0.21	2.25	37.762	40.767			
80	0.18	2.50	36.518	38.373			
100	0.15	2.75	34.442	35.331			✓
120	0.13	3.00	35.476	36.112			✓✓
140	0.11	3.25	34.820	35.278			✓
170	0.09	3.50	34.352	34.515			✓
200	0.08	3.75	33.116	33.160			
230	0.06	4.00	32.881	32.909			
Fines	<0.06	> 4	22.821	22.849			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-051
Sampling Date: 9/18/10
Analysis Date: 8/21/12

Container wt.: 6.156
Total wt.: 26.320
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.612	49.621			
18	1	0.00	46.437	46.449			
20	0.85	0.25	43.326	43 334			
25	0.71	0.50	45.758	45.770			
30	0.6	0.75	43.252	43.278			
35	0.5	1.00	41.632	41.754			
40	0.43	1.25	39.714	39.889			
45	0.36	1.50	39.072	39.471			
50	0.3	1.75	39.213	39.939		✓	
60	0.25	2.00	38.444	40.581		✓	✓
70	0.21	2.25	37.763	41.658		✓	✓
80	0.18	2.50	36.521	39.390		✓	✓
100	0.15	2.75	34.444	36.050		✓	✓
120	0.13	3.00	35.471	36.805			✓
140	0.11	3.25	34.816	35.744			✓✓
170	0.09	3.50	34.348	34.674			✓✓
200	0.08	3.75	33.115	33.203			
230	0.06	4.00	32.880	32.945			
Fines	<0.06	> 4	122.821	122.891			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-058
Sampling Date: 9/18/10
Analysis Date: 8/21/12

Container wt.: 6.155
Total wt.: 21.613
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.608	49.613			
18	1	0.00	46.434	46.440			
0	0.85	0.25	43.325	43.328			
5	0.71	0.50	45.757	45.772			
0	0.6	0.75	43.252	43.293			
5	0.5	1.00	41.630	41.838			
0	0.43	1.25	39.710	40.032			
5	0.36	1.50	39.067	39.795			
0	0.3	1.75	39.208	40.403			
0	0.25	2.00	38.469	40.903		✓	
0	0.21	2.25	37.773	41.628		✓	✓
0	0.18	2.50	36.543	39.260			✓
0	0.15	2.75	34.443	35.879			✓
0	0.13	3.00	35.481	36.581			✓
0	0.11	3.25	34.818	35.533			✓
0	0.09	3.50	34.347	34.587			✓
0	0.08	3.75	33.113	33.174			
0	0.06	4.00	32.881	32.915			
es	<0.06	>4	122.821	122.850			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-062 Container wt.: 6.156
Sampling Date: 9/18/10 Total wt.: 41.731
Analysis Date: 8/21/12 Sample wt.: _____

Observations: _____

S	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
0	2	-1.00	49.606	49.627			
3	1	0.00	46.435	46.437			
0	0.85	0.25	43.324	43.325			
5	0.71	0.50	45.757	45.770			
0	0.6	0.75	43.251	43.282			
5	0.5	1.00	41.630	41.757			
0	0.43	1.25	39.710	39.910			
5	0.36	1.50	39.069	39.464			
0	0.3	1.75	39.213	39.791			
0	0.25	2.00	38.451	40.026			
0	0.21	2.25	37.772	41.049		✓	
0	0.18	2.50	36.544	39.969			✓
0	0.15	2.75	34.455	36.617			✓
0	0.13	3.00	35.484	37.261			✓
0	0.11	3.25	34.817	36.060			✓
0	0.09	3.50	34.349	34.748			✓
0	0.08	3.75	33.115	33.217			✓
0	0.06	4.00	32.883	32.926			
es	<0.06	> 4	122.820	122.858			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-066
Sampling Date: 9/18/10
Analysis Date: 8/21/12

Container wt.: 6.158
Total wt.: 20.612
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.604	49.712			
18	1	0.00	46.433	46.488			
20	0.85	0.25	43.323	43.331			
25	0.71	0.50	45.754	45.769			
30	0.6	0.75	43.251	43.260			
35	0.5	1.00	41.630	41.653			
40	0.43	1.25	39.710	39.747			
45	0.36	1.50	39.073	39.164			
50	0.3	1.75	39.208	39.414			
60	0.25	2.00	38.435	39.351		✓	
70	0.21	2.25	37.767	40.267		✓	
80	0.18	2.50	36.535	39.904		✓	✓
100	0.15	2.75	34.445	36.821			✓
120	0.13	3.00	35.482	37.693			✓
140	0.11	3.25	34.812	36.455			✓
170	0.09	3.50	34.348	34.889			✓✓
200	0.08	3.75	33.112	33.259			✓✓
230	0.06	4.00	32.879	32.960			
Fines	<0.06	> 4	122.820	122.887			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 05-070
Sampling Date: 9/18/10
Analysis Date: 8/21/12

Container wt.: 6.155
Total wt.: 21.054
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.601	49.602			
18	1	0.00	46.431	46.433			
20	0.85	0.25	43.320	43.325			
25	0.71	0.50	45.754	45.760			
30	0.6	0.75	43.251	43.257			
35	0.5	1.00	41.628	41.640			
40	0.43	1.25	39.709	39.732			
45	0.36	1.50	39.072	39.175			
50	0.3	1.75	39.201	39.529		✓	
60	0.25	2.00	38.431	39.954		✓	
70	0.21	2.25	37.784	41.426		✓	
80	0.18	2.50	36.562	40.088		✓	✓
100	0.15	2.75	34.458	36.534			✓
120	0.13	3.00	35.493	37.136			✓
140	0.11	3.25	34.822	36.058			✓
170	0.09	3.50	34.348	34.740			✓
200	0.08	3.75	33.112	33.232			
230	0.06	4.00	32.879	32.953			
Fines	<0.06	> 4	122.820	122.874			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-074
Sampling Date: 9/18/10
Analysis Date: 8/21/12

Container wt.: 6.158
Total wt.: 21.047
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.600	49.609			
18	1	0.00	46.429	46.435			
20	0.85	0.25	43.323	43.322			
25	0.71	0.50	45.756	45.762			
30	0.6	0.75	43.250	43.256			
35	0.5	1.00	41.626	41.652			
40	0.43	1.25	39.708	39.752			
45	0.36	1.50	39.068	39.244			
50	0.3	1.75	39.195	39.697		✓	
60	0.25	2.00	38.437	40.247		✓	
70	0.21	2.25	37.774	41.341		✓	
80	0.18	2.50	36.535	39.657		✓	
100	0.15	2.75	34.453	36.281		✓	
120	0.13	3.00	35.500	37.197			✓
140	0.11	3.25	34.822	36.071			✓
170	0.09	3.50	34.346	34.784			✓
200	0.08	3.75	33.112	33.254			
230	0.06	4.00	32.879	32.973			
Fines	<0.06	>4	122.819	122.891			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-078 Container wt.: 6.155
Sampling Date: 9/18/10 Total wt.: 21.743
Analysis Date: 8/21/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.600	49.600			
18	1	0.00	46.431	46.433			
20	0.85	0.25	43.319	43.326			
25	0.71	0.50	45.759	45.765			
30	0.6	0.75	43.250	43.265			
35	0.5	1.00	41.626	41.673			
40	0.43	1.25	39.708	39.767			
45	0.36	1.50	39.069	39.240			
50	0.3	1.75	39.198	39.585		✓	
60	0.25	2.00	38.940	39.780		✓	
70	0.21	2.25	37.771	40.923		✓	
80	0.18	2.50	36.534	40.304			✓
100	0.15	2.75	34.457	36.983			✓
120	0.13	3.00	35.487	37.488			✓
140	0.11	3.25	34.828	36.217			✓
170	0.09	3.50	34.348	34.771			✓
200	0.08	3.75	33.112	33.247			
230	0.06	4.00	32.879	32.951			
Fines	<0.06	> 4	122.820	122.878			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-082
Sampling Date: 9/18/10
Analysis Date: 8/21/12

Container wt.: 0.155
Total wt.: 21.162
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.596	49.596			
18	1	0.00	46.429	46.437			
20	0.85	0.25	43.318	43.321			
25	0.71	0.50	45.756	45.760			
30	0.6	0.75	43.247	43.253			
35	0.5	1.00	41.624	41.642			
40	0.43	1.25	39.708	39.732			
45	0.36	1.50	39.065	39.156		✓	
50	0.3	1.75	39.197	39.405		✓	
60	0.25	2.00	38.432	39.277		✓	
70	0.21	2.25	37.778	39.931		✓	✓
80	0.18	2.50	34.583	40.014		✓	✓
100	0.15	2.75	34.459	37.132			✓✓
120	0.13	3.00	35.486	38.112			✓
140	0.11	3.25	34.821	36.699			✓
170	0.09	3.50	34.348	34.926			✓✓
200	0.08	3.75	33.111	33.289			✓✓
230	0.06	4.00	32.877	32.999			
Fines	<0.06	> 4	122.820	122.940			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-086
Sampling Date: 9/18/10
Analysis Date: 8/21/12

Container wt.: 6.157
Total wt.: 20.816
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.595	49.789			
18	1	0.00	46.427	46.568			
20	0.85	0.25	43.316	43.349			
25	0.71	0.50	45.765	45.797			
30	0.6	0.75	43.248	43.262			
35	0.5	1.00	41.623	41.650			
40	0.43	1.25	39.708	39.726			
45	0.36	1.50	39.067	39.118		✓	
50	0.3	1.75	39.196	39.303		✓	
60	0.25	2.00	38.425	38.775		✓	
70	0.21	2.25	37.771	38.533		✓	✓
80	0.18	2.50	36.554	38.179		✓	✓
100	0.15	2.75	34.455	37.016		✓	✓
120	0.13	3.00	35.508	39.489		✓	✓
140	0.11	3.25	34.820	37.865			✓
170	0.09	3.50	34.350	35.269			✓
200	0.08	3.75	33.113	33.408			
230	0.06	4.00	32.880	33.100			
Fines	<0.06	> 4	122.827	128.027			

Grain-size analysis data sheet
Project: Cedar Island Breach

nple No: CS-090
npling Date: 9/18/10
alysis Date: 8/21/12

Container wt.: 6.155
Total wt.: 19.590
Sample wt.: _____

servations: _____

S	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
)	2	-1.00	49.634	49.796			
3	1	0.00	46.430	46.656			
)	0.85	0.25	43320	43.372			
	0.71	0.50	45.771	45.844			
)	0.6	0.75	43.246	43.304			
5	0.5	1.00	41.623	41.683			
)	0.43	1.25	39.703	39.748		✓	
	0.36	1.50	39.059	39.128		✓	
)	0.3	1.75	39.191	39.264		✓	
)	0.25	2.00	38.414	38.542		✓	
	0.21	2.25	37.770	37.978		✓	
)	0.18	2.50	36.531	37.114		✓	✓
)	0.15	2.75	34.455	36.072		✓	✓
)	0.13	3.00	35.496	39.321			✓
)	0.11	3.25	34.819	38.464			✓
)	0.09	3.50	34.348	35.707			
)	0.08	3.75	33.117	33.590			
)	0.06	4.00	32.878	33.202			
s	<0.06	> 4	22.822	123.191			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-094
Sampling Date: 9/18/10
Analysis Date: 1/5/13
Container wt.: 6.156
Total wt.: 18.470
Sample wt.:
Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.621	49.769			
12	1.7	-0.75	48.481	48.595			
14	1.4	-0.50	46.801	46.928			
16	1.18	-0.25	46.225	46.368			
18	1	0.00	46.412	46.590			
20	0.85	0.25	43.319	43.624			
25	0.71	0.50	45.764	46.123			
30	0.6	0.75	43.245	43.604			
35	0.5	1.00	41.620	42.004			
40	0.43	1.25	39.704	39.986			
45	0.36	1.50	39.061	39.391			
50	0.3	1.75	39.192	39.489			
60	0.25	2.00	38.416	38.747			
70	0.21	2.25	37.767	38.110			
80	0.18	2.50	36.528	36.996			
100	0.15	2.75	34.454	35.352			
120	0.13	3.00	35.496	37.190			
140	0.11	3.25	34.827	36.655			
170	0.09	3.50	34.354	35.401			
200	0.08	3.75	33.112	33.675			
230	0.06	4.00	32.877	33.492			
270	0.05	4.24	32.949	33.524			
325	0.05	4.50	32.967	33.430			
400	0.04	4,75	33.096	33.413			
450	0.03	5.00	32.748	32.824			
Fines	<0.03	> 5	122.820	122.873			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CS-098
Sampling Date: 9/18/10
Analysis Date: 1/5/13
Observations:

Container wt.: 6.156
Total wt.: 17.685
Sample wt.:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.623	49.684			
12	1.7	-0.75	48.483	48.579			
14	1.4	-0.50	46.805	46.930			
16	1.18	-0.25	46.227	46.380			
18	1	0.00	46.412	46.616			
20	0.85	0.25	43.334	43.605			
25	0.71	0.50	45.766	46.115			
30	0.6	0.75	43.271	43.637			
35	0.5	1.00	41.636	42.050			
40	0.43	1.25	39.716	40.029			
45	0.36	1.50	39.066	39.395			
50	0.3	1.75	39.197	39.469			
60	0.25	2.00	38.430	38.784			
70	0.21	2.25	37.775	38.122			
80	0.18	2.50	36.526	36.965			
100	0.15	2.75	34.454	35.297			
120	0.13	3.00	35.497	37.036			
140	0.11	3.25	34.836	36.189			
170	0.09	3.50	34.362	35.122			
200	0.08	3.75	33.118	33.636			
230	0.06	4.00	32.882	33.516			
270	0.05	4.24	32.953	33.528			
325	0.05	4.50	32.971	33.434			
400	0.04	4,75	33.099	33.416			
450	0.03	5.00	32.752	32.928			
Fines	<0.03	> 5	122.822	122.937			

Vibracore C6

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CC-002
Sampling Date: 9/18/16
Analysis Date: 8/8/12

Container wt.: 6.154
Total wt.: 17.729
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.692	49.692			
18	1	0.00	46.432	46.505			
20	0.85	0.25	43.341	43.358			
25	0.71	0.50	45.769	45.819			
30	0.6	0.75	43.286	43.369			
35	0.5	1.00	41.646	41.871			
40	0.43	1.25	39.731	40.048			
45	0.36	1.50	39.082	39.854			
50	0.3	1.75	39.188	40.559		✓	✓
60	0.25	2.00	38.469	40.696			✓
70	0.21	2.25	37.758	40.210			✓
80	0.18	2.50	36.585	38.701			✓
100	0.15	2.75	34.481	35.551			✓
120	0.13	3.00	35.503	36.026			✓
140	0.11	3.25	34.799	34.958			✓
170	0.09	3.50	34.348	34.384			
200	0.08	3.75	33.115	33.123			
230	0.06	4.00	32.886	32.888			
Fines	<0.06	> 4	122.807	122.811			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C6-006
Sampling Date: 9/18/10
Analysis Date: 8/8/12

Container wt.: 6.154
Total wt.: 20.153
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.623	49.642			
18	1	0.00	46.433	46.495			
20	0.85	0.25	43.342	43.355			
25	0.71	0.50	45.766	45.821			
30	0.6	0.75	43.290	43.359			
35	0.5	1.00	41.646	41.898			
40	0.43	1.25	39.734	40.130			
45	0.36	1.50	39.086	40.127			
50	0.3	1.75	39.198	41.112			✓
60	0.25	2.00	38.497	41.471			✓
70	0.21	2.25	37.791	40.604			✓
80	0.18	2.50	36.600	38.789			✓
100	0.15	2.75	34.471	35.605			✓
120	0.13	3.00	35.505	36.156			✓
140	0.11	3.25	34.800	35.062			✓
170	0.09	3.50	34.349	34.407			✓
200	0.08	3.75	33.119	33.133			
230	0.06	4.00	32.886	32.892			
Fines	<0.06	> 4	122.807	122.815			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CG-010
Sampling Date: 9/18/10
Analysis Date: 8/8/12

Container wt.: 6.155
Total wt.: 19.069
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	19.619	49.629			
18	1	0.00	46.432	46.464			
20	0.85	0.25	43.340	43.354			
25	0.71	0.50	45.764	45.793			
30	0.6	0.75	43.285	43.326			
35	0.5	1.00	41.644	41.811			
40	0.43	1.25	39.733	40.017			
45	0.36	1.50	39.085	39.876			
50	0.3	1.75	39.201	40.831			✓
60	0.25	2.00	38.493	41.087			✓
70	0.21	2.25	37.784	40.582			✓
80	0.18	2.50	36.588	38.772			✓
100	0.15	2.75	34.474	35.644			✓
120	0.13	3.00	35.492	36.137			✓
140	0.11	3.25	34.796	35.061			✓
170	0.09	3.50	34.346	34.404			✓
200	0.08	3.75	33.116	33.134			
230	0.06	4.00	32.886	32.894			
Fines	<0.06	> 4	22.808	22.819			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CG-114
Sampling Date: 9/18/10
Analysis Date: 8/8/12

Container wt.: 6.153
Total wt.: 18.648
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	419.621	419.720			
18	1	0.00	46.431	46.464			
20	0.85	0.25	43.340	43.348			
25	0.71	0.50	45.764	45.774			
30	0.6	0.75	43.286	43.308			
35	0.5	1.00	41.644	41.724			
40	0.43	1.25	39.731	39.856			
45	0.36	1.50	39.084	39.532			
50	0.3	1.75	39.198	40.252			✓
60	0.25	2.00	38.493	40.616			✓
70	0.21	2.25	37.980	40.524			✓
80	0.18	2.50	38.580	39.354			✓
100	0.15	2.75	34.497	35.969			✓
120	0.13	3.00	34.499	36.359			✓
140	0.11	3.25	34.794	35.156			✓
170	0.09	3.50	34.345	34.413			✓
200	0.08	3.75	33.115	33.132			
230	0.06	4.00	32.883	32.892			
Fines	<0.06	> 4	122.806	122.818			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CC-018
Sampling Date: 9/18/10
Analysis Date: 8/8/12

Container wt.: 6.153
Total wt.: 19.418
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.615	49.615			
18	1	0.00	46.432	46.463			
20	0.85	0.25	43.339	43.346			
25	0.71	0.50	45.762	45.791			
30	0.6	0.75	43.285	43.318			
35	0.5	1.00	41.643	41.753			
40	0.43	1.25	39.729	39.877			
45	0.36	1.50	39.076	39.468			
50	0.3	1.75	39.192	40.053		✓	✓
60	0.25	2.00	38.489	40.089		✓	✓
70	0.21	2.25	37.761	40.158			✓
80	0.18	2.50	34.598	39.358			✓
100	0.15	2.75	34.468	36.602			✓
120	0.13	3.00	35.495	36.938			✓
140	0.11	3.25	34.790	35.591			✓
170	0.09	3.50	34.343	34.534			✓
200	0.08	3.75	33.113	33.179			
230	0.06	4.00	32.881	32.932			
Fines	<0.06	> 4	122.806	122.854			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CG-022
Sampling Date: 9/18/10
Analysis Date: 8/8/12

Container wt.: 6.155
Total wt.: 19.485
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	19.614	49.706			
18	1	0.00	46.428	46.543			
20	0.85	0.25	43.336	43.366			
25	0.71	0.50	45.758	45.849			
30	0.6	0.75	43.282	43.372			
35	0.5	1.00	41.640	41.924			
40	0.43	1.25	39.726	40.066			
45	0.36	1.50	39.075	39.892		✓	
50	0.3	1.75	39.192	40.743		✓	✓
60	0.25	2.00	38.538	40.926		✓	✓
70	0.21	2.25	37.766	40.244			✓
80	0.18	2.50	36.372	38.681			✓
100	0.15	2.75	34.470	35.731			✓
120	0.13	3.00	35.504	36.398			✓✓
140	0.11	3.25	34.797	35.300			✓✓
170	0.09	3.50	34.343	34.460			✓✓
200	0.08	3.75	33.112	33.145			
230	0.06	4.00	32.881	32.898			
Fines	<0.06	> 4	122.805	122.820			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CG-026
Sampling Date: 9/18/10
Analysis Date: 8/8/12

Container wt.: 6.153
Total wt.: 16.184
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.617	49.694			
18	1	0.00	46.434	46.527			
20	0.85	0.25	43.337	43.375			
25	0.71	0.50	45.760	45.850			
30	0.6	0.75	43.281	43.375			
35	0.5	1.00	41.640	41.891			
40	0.43	1.25	39.725	40.004			
45	0.36	1.50	39.078	39.756			
50	0.3	1.75	39.194	40.400		✓	✓
60	0.25	2.00	38.527	40.442		✓	✓
70	0.21	2.25	37.772	39.559		✓	✓
80	0.18	2.50	36.584	37.988		✓	✓
100	0.15	2.75	34.469	35.336			✓✓
120	0.13	3.00	35.495	36.152			✓✓
140	0.11	3.25	34.795	35.165			✓✓
170	0.09	3.50	34.345	34.431			✓✓
200	0.08	3.75	33.113	33.132			
230	0.06	4.00	32.883	32.889			
Fines	<0.06	> 4	122.805	122.818			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CC-030
Sampling Date: 9/18/10
Analysis Date: 8/8/12

Container wt.: 6.154
Total wt.: 22.350
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.630	49.805			
18	1	0.00	46.428	46.522			
20	0.85	0.25	43.335	43.375			
25	0.71	0.50	45.759	45.846			
30	0.6	0.75	43.280	43.387			
35	0.5	1.00	41.639	41.968			
40	0.43	1.25	39.724	40.133			
45	0.36	1.50	39.075	40.208		✓	
50	0.3	1.75	39.193	41.347		✓	✓
60	0.25	2.00	38.508	41.826		✓	✓
70	0.21	2.25	37.767	40.662		✓	✓
80	0.18	2.50	36.554	38.756			✓
100	0.15	2.75	34.466	35.764			✓
120	0.13	3.00	35.496	36.454			✓
140	0.11	3.25	34.792	35.381			✓
170	0.09	3.50	34.340	34.515			✓
200	0.08	3.75	33.109	33.167			
230	0.06	4.00	32.879	32.913			
Fines	<0.06	> 4	122.806	122.839			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: P6-034
Sampling Date: 9/18/10
Analysis Date: 8/8/12

Container wt.: 6.153
Total wt.: 19.989
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.628	49.641			
18	1	0.00	46.428	46.469			
20	0.85	0.25	43.335	43.356			
25	0.71	0.50	45.754	45.812			
30	0.6	0.75	43.277	43.353			
35	0.5	1.00	41.639	41.852			
40	0.43	1.25	39.723	40.029			
45	0.36	1.50	39.077	39.858			
50	0.3	1.75	39.194	40.775			✓
60	0.25	2.00	38.540	40.995			✓
70	0.21	2.25	37.773	40.495			✓
80	0.18	2.50	36.576	38.837			✓
100	0.15	2.75	34.469	35.821			✓
120	0.13	3.00	35.510	36.402			✓✓
140	0.11	3.25	34.796	35.280			✓✓
170	0.09	3.50	34.342	34.478			✓✓
200	0.08	3.75	33.111	33.154			
230	0.06	4.00	32.878	32.904			
Fines	<0.06	> 4	122.811	122.831			

Vibracore C7

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-002
Sampling Date: 10/8/10
Analysis Date: 2/29/12

Container wt.: 6.150
Total wt.: 21.011
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.403	49.492	CLUMPS & SHELL	
18	46.238	46.372	"	
20	43.129	43.178	"	
25	45.546	45.606		
30	43.071	43.145		
35	41.437	41.608		
40	39.517	39.738		
45	38.640	39.189		✓
50	38.939	40.191		✓
60	37.714	40.550		✓
70	35.828	39.256	MICA	✓
80	36.242	39.192		✓
100	34.705	35.748		✓
120	35.283	36.103		✓
140	34.593	34.974		✓
170	34.158	34.272		✓
200	32.932	32.975		✓
230	32.693	32.734		✓
Fines Collector 1	21.294			
Fines Collector 2	21.295			
Fines Collector 3	21.294	21.375		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-006
Sampling Date: 10/8/10
Analysis Date: 2/29/12

Container wt.: 6.151
Total wt.: 19.979
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.405	49.421	CLUMP	
18	46.243	46.265		
20	43.131	43.146		
25	45.550	45.572		
30	43.085	43.130		
35	41.442	41.611		
40	39.524	39.764		
45	38.646	39.267		✓
50	38.957	40.347		✓
60	37.733	40.583		✓
70	35.870	38.997		✓
80	36.263	38.699		✓
100	34.226	35.657		✓
120	35.299	36.092		✓
140	34.597	34.974		✓
170	34.149	34.279		✓
200	32.931	32.975		✓
230	32.697	32.730		✓
Fines Collector 1	21.298			
Fines Collector 2	21.294			
Fines Collector 3	21.246	21.344		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-010
Sampling Date: 10/8/10
Analysis Date: 2/29/12

Container wt.: 6.150
Total wt.: 22.291
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.408	49.424	CLUMP	
18	46.247	46.263		
20	43.132	43.136		
25	45.548	45.571		
30	43.091	43.126		
35	41.448	41.581		
40	39.527	39.777	MICA	✓
45	38.645	39.295	"	✓
50	38.962	40.487		✓
60	37.741	41.049		✓
70	35.871	39.606		✓
80	36.261	39.367		✓
100	34.217	35.846		✓
120	35.307	36.197		✓
140	34.597	35.032		✓
170	34.160	34.300		✓
200	32.932	32.981		✓
230	32.697	32.737		✓
Fines Collector 1	21.298			
Fines Collector 2	21.295			
Fines Collector 3	21.294	21.349		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-014
Sampling Date: 10/8/10
Analysis Date: 2/29/12

Container wt.: 6.152
Total wt.: 20.688
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.409	49.412		
18	46.249	46.258		
20	43.132	43.139		
25	45.550	45.571		
30	43.088	43.136		
35	41.445	41.585		
40	39.528	39.764		✓
45	38.648	39.287		✓
50	38.961	40.512		✓
60	37.755	40.855		✓
70	35.888	39.192		✓
80	36.273	38.915		✓
100	34.725	35.653		✓
120	35.312	36.081		✓
140	34.597	34.968		✓
170	34.161	34.281		✓
200	32.931	32.974		✓
230	32.696	32.733		✓
Fines Collector 1	21.298			
Fines Collector 2	21.295			
Fines Collector 3	21.295	21.341		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-018
Sampling Date: 10/8/10
Analysis Date: 2/29/12

Container wt.: 6.152
Total wt.: 22.749
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.409	49.411		
18	46.248	46.259		
20	43.133	43.137		
25	45.548	45.581		
30	43.093	43.134		
35	41.450	41.603		
40	39.543	39.812		
45	38.654	39.410		✓
50	38.981	40.759		✓
60	37.774	41.218		✓
70	35.888	39.716		✓
80	36.275	39.206		✓
100	34.221	35.873		✓
120	35.302	36.204		✓
140	34.601	35.042		✓
170	34.167	34.315		✓
200	32.932	32.987		✓
230	32.699	32.747		✓
Fines Collector 1	21.300			
Fines Collector 2	21.296			
Fines Collector 3	21.294	21.354		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-022
Sampling Date: 10/8/10
Analysis Date: 2/29/12

Container wt.: 6.151
Total wt.: 21.[illegible]621
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.41[illegible]	49.433	CLUMP	
18	46.250	46.273		
20	43.132	43.139		
25	45.5[illegible]9	45.569		
30	43.095	43.125		
35	41.449	41.5[illegible]1		
40	39.538	39.703		
45	38.658	39.168		✓
50	38.988	[illegible]0.357		✓
60	37.782	40.975		✓
70	35.901	39.590		✓
80	36.2[illegible]0	39.337		✓
100	34.22[illegible]	35.910		✓
120	35.308	36.215		✓
140	34.601	35.025		✓
170	34.164	34.302		✓
200	32.932	32.980		✓
230	32.701	32.739		✓
Fines Collector 1	21.299			
Fines Collector 2	21.29[illegible]			
Fines Collector 3	21.295	21.342		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-026
Sampling Date: 10/8/10
Analysis Date: 2/29/12

Container wt.: 6.151
Total wt.: 20.812
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.413	49.414		
18	46.251	46.274		
20	43.132	43.136		
25	45.551	45.576		
30	43.093	43.123		
35	41.449	41.544		
40	39.533	39.690		
45	38.656	39.103		
50	38.989	40.203		✓
60	37.787	40.770		✓
70	35.894	39.564		✓
80	36.280	39.138		✓
100	34.231	35.841		✓
120	35.307	36.168		✓
140	34.603	35.018		✓
170	34.168	34.297		✓
200	32.932	32.976		✓
230	32.697	32.733		✓
Fines Collector 1	21.301			
Fines Collector 2	21.294			
Fines Collector 3	21.295	21.336		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-030
Sampling Date: 10/8/10
Analysis Date: 2/29/12

Container wt.: 6.151
Total wt.: 22.645
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.415	49.444		
18	46.257	46.267		
20	43.133	43.132		
25	45.552	45.560		
30	43.096	43.118		
35	41.451	41.541		
40	39.535	39.700		
45	38.655	39.197		✓
50	38.997	40.420		✓
60	37.793	41.109		✓
70	35.899	39.867		✓
80	36.286	39.565		✓
100	34.230	36.014		✓
120	35.306	36.294		✓
140	34.603	35.084		✓
170	34.169	34.324		✓
200	32.933	32.990		✓
230	32.697	32.748		✓
Fines Collector 1	21.298			
Fines Collector 2	21.295			
Fines Collector 3	21.295	21.369		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-034 Container wt.: 6.150
Sampling Date: 10/8/10 Total wt.: 22.755
Analysis Date: 2/29/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.440	49.433		
18	46.257	46.260		
20	43.134	43.133		
25	45.552	45.563		
30	43.096	43.111		
35	41.452	41.512		
40	39.534	39.666	MICA	
45	38.655	39.096		✓
50	38.981	40.316		✓
60	37.794	41.267		✓
70	35.887	40.179		✓
80	36.284	39.721		✓
100	34.238	36.043		✓
120	35.300	36.213		✓
140	34.602	35.011		✓
170	34.174	34.291		✓
200	32.931	32.971		✓
230	32.698	32.726		✓
Fines Collector 1	21.298			
Fines Collector 2	21.296			
Fines Collector 3	21.297	21.340		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-038
Sampling Date: 10/8/10
Analysis Date: 2/29/12

Container wt.: 6.150
Total wt.: 21.227
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.431	49.442		
18	46.258	46.266		
20	43.133	43.138		
25	45.553	45.562		
30	43.095	43.110		
35	41.452	41.505		
40	39.531	39.637		
45	38.654	38.992		
50	38.979	39.931		✓
60	37.786	40.555		✓
70	35.887	39.659		✓
80	36.287	39.675		✓
100	34.229	36.059		✓
120	35.304	36.314		✓
140	34.601	35.096		✓
170	34.169	34.324		✓
200	32.930	32.980		✓
230	32.697	32.726		✓
Fines Collector 1	21.280			
Fines Collector 2	21.295			
Fines Collector 3	21.295	21.331		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: 07-042
Sampling Date: 10/8/10
Analysis Date: 3/1/12

Container wt.: 6.151
Total wt.: 21.792
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.444	49.444		
18	46.267	46.277		
20	43.141	43.145		
25	45.563	45.574		
30	43.117	43.137		
35	41.472	41.555		
40	39.554	39.725		
45	38.674	39.238		
50	38.996	40.285		
60	37.812	40.908		✓
70	35.923	39.656		✓
80	36.316	39.702		✓
100	34.259	36.058		✓
120	35.328	36.230		✓✓
140	34.621	35.004		✓✓
170	34.189	34.294		✓✓
200	32.951	32.980		✓✓
230	32.713	32.734		
Fines Collector 1	21.307			
Fines Collector 2	21.304			
Fines Collector 3	21.304	21.325		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-046
Sampling Date: 10/8/10
Analysis Date: 3/1/12

Container wt.: 6.150
Total wt.: 19.510
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.439	49.443		
18	46.272	46.277		
20	43.142	43.144		
25	45.564	45.570		
30	43.116	43.134		
35	41.472	41.534		
40	39.551	39.713		
45	38.675	39.229		
50	39.015	40.438		✓
60	37.825	40.778		✓
70	35.905	38.857		✓
80	36.323	38.851		✓
100	34.259	35.696		✓
120	35.328	36.103		✓
140	34.621	34.937		✓✓
170	34.188	34.267		✓✓
200	32.951	32.978		✓✓
230	32.713	32.734		✓✓
Fines Collector 1	21.308			
Fines Collector 2	21.304			
Fines Collector 3	21.305	21.322		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-050
Sampling Date: 10/8/10
Analysis Date: 3/1/12

Container wt.: 6,149
Total wt.: 22.997
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.435	49.435		
18	46.272	46.284		
20	43.145	43.154		
25	45.565	45.587		
30	43.120	43.211		
35	41.476	41.792		
40	39.552	40.105		
45	38.683	39.941		✓
50	39.033	41.276		✓
60	37.845	41.433		✓
70	35.914	39.352		✓
80	36.326	39.213		✓
100	34.258	35.663		✓✓
120	35.329	35.969		✓✓
140	34.621	34.869		✓✓
170	34.187	34.249		✓✓
200	32.952	32.968		
230	32.714	32.722		✓✓
Fines Collector 1	21.305			
Fines Collector 2	21.303			
Fines Collector 3	21.303	21.314		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-054
Sampling Date: 10/8/10
Analysis Date: 3/1/12

Container wt.: 6.150
Total wt.: 20.691
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.432	49.506		
18	46.274	46.365		
20	43.143	43.196		
25	45.562	45.677		
30	43.122	43.285		
35	41.478	41.901		
40	39.560	40.105		
45	38.690	39.778		✓
50	39.026	40.841		✓
60	37.830	40.802		✓
70	35.920	38.828		✓
80	36.325	38.629		✓
100	34.263	35.431		✓✓
120	35.327	35.815		✓✓
140	34.618	34.787		✓✓
170	34.184	34.216		✓✓
200	32.949	32.955		
230	32.712	32.716		
Fines Collector 1	21.304			
Fines Collector 2	21.302			
Fines Collector 3	21.302	21.304		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-058
Sampling Date: 10/8/10
Analysis Date: 3/1/12

Container wt.: 6.150
Total wt.: 20.483
Sample wt.:

Observations: MED. SHELL FRAGS

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.434	49.833		
18	46.276	46.511		
20	43.143	43.244		
25	45.561	45.819		
30	43.117	43.416		
35	41.475	42.173		
40	39.556	40.243		
45	38.686	39.839		
50	39.018	40.688		✓
60	37.830	40.454		✓
70	35.903	38.409		✓
80	36.320	38.284		✓
100	34.261	35.258		✓✓
120	35.323	35.784		✓✓
140	31.616	34.803		✓✓
170	34.183	34.232		✓✓
200	32.947	32.961		✓✓
230	32.711	32.720		
Fines Collector 1	21.303			
Fines Collector 2	21.300			
Fines Collector 3	21.300	21.308		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-062
Sampling Date: 10/8/10
Analysis Date: 3/1/12

Container wt.: 6.149
Total wt.: 22.909
Sample wt.:

Observations: MED - LARGE SHELL FRAGS.

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.431	50.116		
18	46.774	46.999	MICA?	
20	43.141	43.392		
25	45.563	46.193		
30	43.117	43.765	MICA?	
35	41.477	42.676		
40	39.557	40.493	MICA?	
45	38.693	40.067	"	✓
50	38.024	40.674		✓
60	37.831	40.330		✓
70	35.909	38.349		✓
80	36.325	38.261		✓✓
100	34.270	35.276		✓✓
120	35.324	35.791		✓✓
140	34.618	34.811		✓✓
170	34.184	34.231		✓✓
200	32.949	32.961		✓✓
230	32.712	32.718		
Fines Collector 1	21.302			
Fines Collector 2	21.299			
Fines Collector 3	21.300	21.307		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-066
Sampling Date: 10/8/10
Analysis Date: 3/1/12

Container wt.: 6.199
Total wt.: 20.635
Sample wt.:

Observations: MED SHELL FRAGS
1 WHOLE GASTROPOD SHELL

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.438	49.785		
18	46.274	46.545		
20	43.141	43.268		
25	45.572	45.854		
30	43.122	43.396		
35	41.493	42.129	MICA	
40	39.558	40.217		
45	38.696	39.952		
50	39.020	40.804		✓
60	37.822	40.410		✓
70	35.911	38.432	MICA	✓
80	34.320	38.359	"	✓
100	34.252	35.291		✓
120	35.318	35.767		✓✓
140	34.618	34.768		✓✓
170	34.184	34.210		✓✓
200	32.946	32.954		✓✓
230	32.712	32.715		
Fines Collector 1	21.301			
Fines Collector 2	21.299			
Fines Collector 3	21.300	21.301		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-070
Sampling Date: 10/8/10
Analysis Date: 3/1/12

Container wt.: 6.150
Total wt.: 21.245
Sample wt.:

Observations: SMALL SHELL FRAGS
1 BROKEN GASTROPOD SHELL (~½)

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.435	49.556		
18	46.276	46.380		
20	43.140	43.194		
25	45.565	45.693		
30	43.114	43.295		
35	41.481	42.068		
40	39.562	40.319		
45	38.692	40.268		✓
50	39.017	41.537		✓
60	37.822	41.436		✓
70	35.909	38.687		✓✓
80	34.320	37.869		✓✓
100	34.257	34.867		✓✓
120	35.317	35.560		✓✓
140	34.616	34.719		✓✓
170	34.184	34.206		✓✓
200	32.948	32.952		
230	32.713	32.713		
Fines Collector 1	21.299			
Fines Collector 2	21.299			
Fines Collector 3	21.298	21.300		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-074
Sampling Date: 10/8/10
Analysis Date: 3/1/12

Container wt.: 6.150
Total wt.: 20.621
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.435	49.453		
18	46.275	46.307		
20	43.141	43.162		
25	45.569	45.630		
30	43.125	43.227		
35	41.482	41.904		✓
40	39.562	40.145		✓
45	38.692	40.096		✓
50	39.033	41.608		✓
60	39.826	41.805		✓
70	35.918	38.860		✓
80	36.321	37.802		✓✓
100	34.247	34.764		✓✓
120	35.312	35.489		✓✓
140	34.613	34.479		✓✓
170	34.183	34.195		✓✓
200	32.947	32.947		
230	32.713	32.711		
Fines Collector 1	21.298			
Fines Collector 2	21.298			
Fines Collector 3	21.298	21.303		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-078
Sampling Date: 10/8/10
Analysis Date: 3/1/12

Container wt.: 6.150
Total wt.: 20.155
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.448	49.460		
18	46.276	46.297		
20	43.141	43.156		
25	45.569	45.610		
30	43.124	43.206		
35	41.481	41.854		
40	39.559	40.095	MICA	✓
45	38.696	40.028	"	✓
50	39.032	41.483		✓
60	37.842	41.577		✓
70	35.917	38.762		✓
80	36.321	37.918		✓✓
100	34.249	34.853		✓✓
120	35.312	35.525		✓✓
140	34.614	34.687		✓✓
170	34.180	34.197		✓✓
200	32.945	32.948		
230	32.709	32.712		
Fines Collector 1	21.302			
Fines Collector 2	21.297			
Fines Collector 3	21.296	21.298		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-082
Sampling Date: 10/8/10
Analysis Date: 3/1/12

Container wt.: 6.156
Total wt.: 20.878
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.449	49.474		
18	46.274	46.301		
20	43.138	43.196		
25	45.564	45.593		
30	43.117	43.151		
35	41.473	41.605		
40	39.557	39.762		
45	38.699	39.168	MICA	✓
50	39.028	39.918	"	✓
60	37.839	39.656	"	✓
70	35.917	38.489		✓
80	36.320	39.669		✓
100	34.246	36.979		✓
120	35.309	36.991		✓
140	34.614	35.213		✓✓
170	34.178	34.270		✓✓
200	32.945	32.954		✓✓
230	32.710	32.715		
Fines Collector 1	21.298			
Fines Collector 2	21.298			
Fines Collector 3	21.297	21.300		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C·I· 086 Container wt.: 6.149
Sampling Date: 10/8/10 Total wt.: 21.795
Analysis Date: 3/1/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.438	49.435		
18	46.275	46.280		
20	43.140	43.144		
25	45.564	45.574		
30	43.118	43.129		
35	41.473	41.508		
40	39.555	39.599		
45	38.688	38.812		
50	39.038	39.303	MICA	✓
60	37.832	38.645	"	✓
70	35.898	37.571	"	✓
80	36.311	39.625		✓
100	34.257	38.160		✓
120	35.318	38.835		✓
140	34.617	36.198		✓✓
170	34.180	34.427		✓✓
200	32.944	32.980		✓✓
230	32.709	32.726		✓✓
Fines Collector 1	21.298			
Fines Collector 2	21.298			
Fines Collector 3	21.298	21.305		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-090 Container wt.: 6.150
Sampling Date: 10/8/10 Total wt.: 21.113
Analysis Date: 3/3/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.435	49.435		
18	46.276	46.286		
20	43.142	43.148		
25	45.567	45.581		
30	43.118	43.138		
35	41.476	41.534		
40	39.554	39.636		
45	38.686	38.866		
50	39.012	39.353		✓
60	37.812	38.715	MICA	✓
70	35.900	37.658	"	✓
80	36.324	40.038		✓
100	34.274	37.962		✓
120	35.333	38.234		✓
140	34.075	35.696		✓✓
170	34.186	34.359		✓✓
200	32.950	32.968		✓✓
230	32.714	32.722		
Fines Collector 1	21.308			
Fines Collector 2	21.302			
Fines Collector 3	21.302	21.301		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-094
Sampling Date: 10/8/10
Analysis Date: 3/3/12

Container wt.: 6.150
Total wt.: 19.896
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.434	49.447		
18	46.276	46.290		
20	43.144	43.150		
25	45.568	45.591		
30	43.129	43.156		
35	41.475	41.625		
40	39.557	39.763		
45	38.688	39.077		
50	39.010	39.720		✓
60	37.815	39.275	MICA	✓
70	35.913	37.895	"	✓
80	36.332	38.951		✓
100	34.284	37.091		✓
120	33.341	37.520		✓✓
140	34.641	35.596		✓✓
170	34.191	34.326		✓✓
200	32.951	32.969		✓✓
230	32.713	32.724		✓✓
Fines Collector 1	21.304			
Fines Collector 2	21.303			
Fines Collector 3	21.303	21.306		
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C7-C98
Sampling Date: 10/10/98
Analysis Date: 8/13/12

Container wt.: 6.153
Total wt.: 20.080
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.643	50.165			
12	1.7	-0.8	48.523	48.625			
14	1.4	-0.5	46.847	47.016			
16	1.18	-0.2	46.239	46.332			
18	1	0	46.449	46.564			
20	0.85	0.2	43.363	43.524			
25	0.71	0.5	45.784	46.139			
30	0.6	0.7	43.302	43.643			
35	0.5	1	41.669	42.446			
40	0.43	1.2	39.758	40.471			
45	0.36	1.5	39.113	40.250			
50	0.3	1.7	39.227	40.739			
60	0.25	2	38.518	40.487		✓	
70	0.21	2.2	37.774	39.575		✓	✓
80	0.18	2.5	36.551	38.074			✓
100	0.15	2.7	34.477	35.757			✓
120	0.13	3	35.508	36.318			✓
140	0.11	3.2	34.821	35.205			✓
170	0.09	3.5	34.364	34.411			
200	0.08	3.7	33.123	33.129			
230	0.06	4	32.893	32.894			
Fines	<0.06	> 4	122.823	122.872			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C7-102
Sampling Date: 10/10/08
Analysis Date: 8/13/12

Container wt.: 6.154
Total wt.: 18.468
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.632	50.391			
12	1.7	-0.8	48.524	48.666			
14	1.4	-0.5	46.885	47.091			
16	1.18	-0.2	46.240	46.436			
18	1	0	46.441	46.661			
20	0.85	0.2	43.345	43.699			
25	0.71	0.5	45.778	46.366			
30	0.6	0.7	43.294	43.835			
35	0.5	1	41.662	42.531			
40	0.43	1.2	39.749	40.384			
45	0.36	1.5	39.115	40.146			
50	0.3	1.7	39.221	40.184			
60	0.25	2	38.527	39.742		✓	
70	0.21	2.2	37.777	39.036			✓
80	0.18	2.5	36.883	37.834			✓
100	0.15	2.7	34.477	35.426			✓
120	0.13	3	35.503	36.232			✓
140	0.11	3.2	34.807	35.072			✓
170	0.09	3.5	34.353	34.392			
200	0.08	3.7	33.118	33.124			
230	0.06	4	32.887	32.888			
Fines	<0.06	> 4	122.821	122.832			

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-106
Sampling Date: 10/8/10
Analysis Date: 3/3/12

Container wt.: 6.149
Total wt.: 20.805
Sample wt.: _____

Observations: MICD SHELL FRAGS .

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.430	50.301		
18	46.279	46.658		
20	43.147	43.290		
25	45.580	45.836	MICA?	
30	43.121	43.376	MICA	
35	41.987	41.934	"	
40	39.564	39.960	"	
45	38.706	39.302	"	✓
50	39.024	39.822	"	✓
60	37.825	39.256	"	✓
70	35.896	37.804	"	✓
80	36.334	38.920	"	✓
100	34.278	36.459		✓
120	35.336	36.869		✓
140	34.625	35.316		✓✓
170	34.184	34.300		✓✓
200	32.949	32.966		✓✓
230	32.710	32.721		
Fines Collector 1	21.304			
Fines Collector 2	21.304			
Fines Collector 3	21.302	21.312		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-110
Sampling Date: 10/8/10
Analysis Date: 3/3/12

Container wt.: 6.150
Total wt.: 15.454
Sample wt.: _____

Observations: SMALL SHELL FRAGS

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.429	49.808		
18	46.280	46.427		
20	43.147	43.180		
25	45.571	45.626		
30	43.120	43.192	MICA	
35	41.482	41.632	"	
40	39.564	39.725		
45	38.700	39.009	MICA	✓
50	39.025	39.480	"	✓
60	37.830	38.707	"	✓
70	35.893	37.197	"	✓
80	36.329	38.178	"	✓
100	34.269	35.933		✓
120	35.350	36.525		✓
140	34.623	35.131		✓✓
170	34.184	34.275		✓✓
200	32.948	32.960		✓✓
230	32.711	32.716		
Fines Collector 1	21.304			
Fines Collector 2	21.302			
Fines Collector 3	21.302	21.312		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-114
Sampling Date: 10/8/10
Analysis Date: 3/3/12

Container wt.: 6.149
Total wt.: 20.432
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.427	49.427		
18	46.274	46.288		
20	43.144	43.160		
25	45.569	45.601		
30	43.117	43.157	MICA	
35	41.478	41.591	" ?	
40	39.562	39.653		
45	38.693	39.116	MICA	✓
50	39.015	39.724	"	✓
60	37.815	39.170	"	✓
70	35.889	38.044	"	✓
80	36.327	39.553		✓
100	34.264	37.285		✓
120	35.331	37.393		✓
140	34.624	35.385		✓✓
170	34.187	34.300		✓✓
200	32.947	32.963		✓✓
230	32.719	32.718		
Fines Collector 1	21.303			
Fines Collector 2	21.300			
Fines Collector 3	21.301	21.309		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-118
Sampling Date: 10/8/10
Analysis Date: 3/3/11

Container wt.: 6.149
Total wt.: 17.462
Sample wt.:

Observations: 1 LARGE STEEL FRAG.

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.426	49.427		
18	49.276	49.289		
20	43.145	43.154		
25	45.570	45.591		
30	43.116	43.158		
35	41.476	41.621	MICA	
40	39.558	39.804		
45	38.694	39.247	MICA	✓
50	39.024	39.950	"	✓
60	37.824	39.423	"	✓
70	35.920	38.002	"	✓
80	36.338	38.716	"	✓
100	34.273	36.058		✓
120	35.339	36.359		✓
140	34.628	35.013		✓✓
170	34.184	34.249		✓✓
200	32.946	32.954		✓✓
230	32.711	32.715		
Fines Collector 1	21.302			
Fines Collector 2	21.301			
Fines Collector 3	21.301	21.308		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-12-2
Sampling Date: 10/8/10
Analysis Date: 3/3/12

Container wt.: 6.149
Total wt.: 20.275
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.424	49.459	CLUMP	
18	46.277	46.290		
20	43.144	43.148		
25	45.570	45.592		
30	43.113	43.194	MICA	
35	41.476	41.782		
40	39.557	40.105		
45	38.694	39.917	MICA	✓
50	39.033	41.221	"	✓
60	37.843	40.995	"	✓
70	35.924	38.502		✓
80	36.334	38.315		✓
100	34.270	35.390		✓✓
120	35.340	35.911		✓
140	34.627	34.842		✓✓
170	34.183	34.728		✓✓
200	32.946	32.953		
230	32.709	32.713		
Fines Collector 1	21.301			
Fines Collector 2	21.298			
Fines Collector 3	21.298	21.304		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C7-126
Sampling Date: 10/8/10
Analysis Date: 3/3/12

Container wt.: 6.151
Total wt.: 20.577
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.422	49.449		
18	46.275	46.431		
20	43.142	43.177		
25	45.566	45.677		
30	43.115	43.278		
35	41.476	42.011		
40	39.560	40.231		
45	38.696	40.131		✓
50	39.035	41.447		✓
60	37.850	41.197		✓
70	35.915	38.386		✓
80	36.347	37.920		✓
100	34.287	~~35.121~~		✓✓
120	35.335	35.743		✓✓
140	34.631	34.800		✓✓
170	34.182	34.220		✓✓
200	32.946	32.955		
230	32.711	32.713		
Fines Collector 1	21.299			
Fines Collector 2	21.303			
Fines Collector 3	21.303	21.303		
Sum total				

Vibracore C8

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-002
Sampling Date: 10/8/10
Analysis Date: 4/2/11

Container wt.: 6.148
Total wt.: 15.118
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.252	46.309	med shell frags	
20	43.131	43.159		
25	45.530	45.588		
30	43.081	43.113		
35	41.454	41.503		
40	39.529	39.590	mica	
45	38.652	38.828	"	
50	38.950	39.324		
60	37.702	38.664	mica	
70	35.862	37.382	"	
80	36.297	38.286		
100	34.284	36.067	mica	
120	35.340	36.521		
140	34.609	35.127		✓
170	34.168	34.274		✓
200	32.924	32.946		✓
230	32.694	32.704		✓
Fines Collector 1	21.246			
Fines Collector 2	21.242			
Fines Collector 3	21.250	21.257		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-006
Sampling Date: 10/8/10
Analysis Date: 4/2/11

Container wt.: 6.152
Total wt.: 17.841
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.250	46.280		
20	43.129	43.162		
25	45.529	45.578		
30	43.091	43.126		
35	41.452	41.526	mica	
40	39.528	39.623	"	
45	38.653	38.911		
50	38.939	39.501	mica	
60	37.703	39.078	"	
70	35.863	37.955		
80	36.275	38.890	mica	
100	34.243	36.401		
120	35.326	36.764		
140	34.605	35.239		✓
170	34.166	34.311		✓
200	32.921	32.954		✓
230	32.688	32.707		✓
Fines Collector 1	21.245			
Fines Collector 2	21.245			
Fines Collector 3	21.243	21.261		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-000
Sampling Date: 10/8/10
Analysis Date: 4/2/11

Container wt.: 6.152
Total wt.: 19.802
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.252	46.350	Med shell frags	
20	43.183	43.153		
25	45.530	45.578		
30	43.088	43.128		
35	41.453	41.542		
40	39.525	39.640		
45	38.645	38.947		
50	38.943	39.585		
60	37.703	39.239		
70	35.869	38.262		
80	36.292	39.286		
100	34.280	36.809		
120	35.333	37.032		
140	34.606	35.420		✓
170	34.171	34.352		✓
200	32.925	32.961		✓
230	32.692	32.708		✓
Fines Collector 1	21.248			
Fines Collector 2	21.246			
Fines Collector 3	21.250	21.258		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-014
Sampling Date: 10/8/10
Analysis Date: 4/2/11

Container wt.: 6.156
Total wt.: 18.598
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.250	46.295	med shell frags	
20	43.133	43.147		
25	45.535	45.559		
30	43.090	43.117		
35	41.451	41.511		
40	39.533	39.600		
45	38.654	38.846		
50	38.951	39.424		
60	37.781	38.978	mica	
70	35.870	38.022		
80	36.278	39.179	mica	
100	34.224	36.653		
120	35.325	37.017		
140	34.601	35.393		✓
170	34.164	34.345		✓
200	32.919	32.961		✓
230	32.689	32.712		✓
Fines Collector 1	21.242			
Fines Collector 2	21.244			
Fines Collector 3	21.245	21.259		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-018
Sampling Date: 10/18/10
Analysis Date: 4/2/11

Container wt.: 6.150
Total wt.: 20.785
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.245	46.350	Med shell frags	
20	43.130	43.157		
25	45.530	45.588		
30	43.080	43.125		
35	41.447	41.545		
40	39.526	39.646		
45	38.643	38.946		
50	38.940	39.621		
60	37.707	39.429	mica	
70	35.889	38.546		
80	36.291	39.578		
100	34.249	36.889		
120	35.340	37.080		
140	34.606	35.444		✓
170	34.163	34.351		✓
200	32.900	32.963		✓
230	32.689	32.713		✓
Fines Collector 1	21.242			
Fines Collector 2	21.244			
Fines Collector 3	21.246	21.265		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-022
Sampling Date: 10/8/10
Analysis Date: 4/2/11

Container wt.: 6.151
Total wt.: 20.678
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.245	46.279	med shell frag	
20	43.128	43.146		
25	45.528	45.557		
30	43.094	43.127		
35	41.452	41.537		
40	39.529	39.631		
45	38.657	38.937		
50	38.952	39.577		
60	37.715	39.288	mica	
70	35.878	38.434		
80	36.300	39.601		
100	34.251	37.044		
120	35.343	37.232		
140	34.602	35.493		✓
170	34.159	34.363		✓
200	32.917	32.965		✓
230	32.685	32.715		✓
Fines Collector 1	21.248			
Fines Collector 2	21.245			
Fines Collector 3	21.251	21.264		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-026
Sampling Date: 10/18/10
Analysis Date: 4/2/11

Container wt.: 6.149
Total wt.: 20.940
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.244	46.274	med-dull/gray	
20	43.133	43.180		
25	45.531	45.571		
30	43.096	43.137		
35	41.451	41.551		
40	39.530	39.646		
45	38.660	38.937		
50	38.953	39.604	mica	
60	37.720	39.339		
70	35.894	38.517		
80	36.341	39.946		
100	34.285	37.088		
120	35.344	37.208		
140	34.616	35.475		✓
170	34.168	34.356		✓
200	32.922	32.964		✓
230	32.689	32.712		✓
Fines Collector 1	21.246			
Fines Collector 2	21.244			
Fines Collector 3	21.248	21.262		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI-030
Sampling Date: 10/8/10
Analysis Date: 4/2/11

Container wt.: 6.153
Total wt.: 22.188
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.242	46.368	med shell frags	
20	43.132	43.150		
25	45.529	45.570		
30	43.087	43.128		
35	41.454	41.545		
40	39.528	39.662		
45	38.658	38.980		
50	38.951	39.690		
60	37.728	39.597	micas	
70	35.906	38.775	"	
80	36.351	39.939		
100	34.274	37.211		
120	35.342	37.330		
140	34.610	35.554		✓
170	34.169	34.382		✓
200	32.921	32.967		✓
230	32.689	32.713		✓
Fines Collector 1	21.244			
Fines Collector 2	21.245			
Fines Collector 3	21.246	21.264		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-C34
Sampling Date: 10/8/10
Analysis Date: 4/2/11

Container wt.: 6.150
Total wt.: 16.231
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.244	46.310		
20	43.182	43160		
25	45.538	45.578		
30	43.088	43.126		
35	41.452	41.521		
40	39.536	39.627		
45	38.659	38.865		
50	38.958	39.398	mica	
60	37.746	38.843	"	
70	35.924	37,667	"	
80	36.328	38.514		
100	34.294	36.272		
120	35,364	36.625		
140	34.619	35.211		✓
170	34.173	34.304		✓
200	32,924	32.951		✓
230	32.681	32.705		
Fines Collector 1	21.248			
Fines Collector 2	21.241			
Fines Collector 3	21.251	21.258		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-038
Sampling Date: 10/8/10
Analysis Date: 4/8/11

Container wt.: 6.150
Total wt.: 18.528
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.255	46.310		
20	43.143	43.160		
25	45.541	45.576		
30	43.103	43.119		
35	41.469	41.521		
40	39.548	39.621		
45	38.671	38.867	mica	
50	38.966	39.442	"	
60	37.751	39.051	"	
70	35.943	38.085	"	
80	36.362	39.302	"	
100	34.290	36.634	"	
120	35.380	37.012		✓
140	34.629	35.383		✓
170	34.181	34.357		✓
200	32.935	32.979		✓
230	32.700	32.725		✓
Fines Collector 1	21.254			
Fines Collector 2	21.244			
Fines Collector 3	21.255	21.273		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-042
Sampling Date: 10/8/10
Analysis Date: 4/5/11

Container wt.: 6.149
Total wt.: 20.456
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.253	46.360		
20	43.144	43.158		
25	45.580	45.585		
30	43.103	43.122		
35	41.465	41.515		
40	39.542	39.623	mica	
45	38.669	38.905	"	
50	38.971	39.522	"	
60	37.748	39.203	"	
70	35.929	38.404	"	
80	36.342	39.698	"	
100	34.273	37.000	"	
120	35.370	37.298		
140	34.621	35.488		✓
170	34.179	34.388		
200	32.935	32.981		
230	32.698	32.726		
Fines Collector 1	21.254			
Fines Collector 2	21.257			
Fines Collector 3	21.253	21.270		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-046
Sampling Date: 10/8/10
Analysis Date: 4/9/11

Container wt.: 6.150
Total wt.: 17.201
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.260	46.400	Some clumps	
20	43.147	43.185		
25	45.544	45.598		
30	43.109	43.126		
35	41.476	41.516	Mica	
40	39.551	39.624	"	
45	38.676	38.883	"	
50	38.969	39.425	"	
60	37.745	38.996	"	
70	35.933	37.887	"	
80	36.358	38.888	"	
100	34.286	36.292	"	
120	35.378	36.761		
140	34.633	35.258		✓
170	34.184	34.326		✓
200	32.939	32.970		✓
230	32.704	32.720		✓
Fines Collector 1	21.257			
Fines Collector 2	21.253			
Fines Collector 3	21.249	21.268		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-050
Sampling Date: 10/8/10
Analysis Date: 4/9/11

Container wt.: 6.149
Total wt.: 16.026
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.259	46.292		
20	43.146	43.162		
25	45.543	45.587		
30	43.103	43.130		
35	41.469	41.542	muca	
40	39.543	39.643	"	
45	38.673	38.958	"	
50	38.967	39.647	"	
60	37.743	39.226	"	
70	35.937	37.859	"	
80	36.341	38.339	"	
100	34.301	35.856	"	
120	35.393	36.396		
140	34.640	35.120		✓
170	34.182	34.298		✓
200	32.936	32.963		✓
230	32.704	32.714		✓
Fines Collector 1	21.254			
Fines Collector 2	21.251			
Fines Collector 3	21.251	21.263		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-054
Sampling Date: 10/8/10
Analysis Date: 4/9/11

Container wt.: 6.148
Total wt.: 19.337
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.259	46.310		
20	43.145	43.167		
25	45.542	45.595		
30	43.105	43.127		
35	41.468	41.554	mica	
40	39.544	39.675	+	
45	38.673	39.053	mica	
50	38.968	39.914	"	
60	37.735	39.895	"	
70	35.910	38.731	"	
80	36.342	39.107	—	
100	34.282	36.105		
120	35.384	36.551		
140	34.628	35.154		✓
170	34.187	34.307		✓
200	32.938	32.961		✓
230	32.703	32.715		
Fines Collector 1	21.251			
Fines Collector 2	21.250			
Fines Collector 3	21.252	21.261		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-058
Sampling Date: 10/8/10
Analysis Date: 4/9/11

Container wt.: 6.151
Total wt.: 16.626
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.257	46.345	sand shell frags	
20	43.143	43.177		
25	45.543	45.589		
30	43.107	43.127		
35	41.471	41.542		
40	39.549	39.652	mica	
45	38.675	38.957	"	
50	38.975	39.731	"	
60	37.739	39.480	"	
70	35.919	38.170	"	
80	36.335	38.447	—	
100	34.285	35.747		
120	35.390	36.284	mica	
140	34.626	35.053		✓
170	34.181	34.276		✓
200	32.938	32.958		
230	32.704	32.719		
Fines Collector 1	21.256			
Fines Collector 2	21.250			
Fines Collector 3	21.250	21.264		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-062
Sampling Date: 10/8/10
Analysis Date: 4/9/11

Container wt.: 6.147
Total wt.: 18.326
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.260	46.316	sand shell frags	
20	43.144	43.177		
25	45.544	45.601		
30	43.102	43.145	mica	
35	41.465	41.589	—	
40	39.544	39.730	mica	
45	38.665	39.207	—	
50	38.965	40.146	mica	
60	37.734	40.176	"	
70	35.902	38.582	"	
80	36.338	38.537	—	
100	34.267	35.598	mica	
120	35.366	36.096	"	
140	34.628	34.943	—	✓
170	34.187	34.254		
200	32.941	32.950		
230	32.706	32.708		✓
Fines Collector 1	21.253			
Fines Collector 2	21.246			
Fines Collector 3	21.249	21.252		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-066
Sampling Date: 10/8/10
Analysis Date: 4/9/11

Container wt.: 6.145
Total wt.: 19.688
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.261	46.402	sm shell frag	
20	43.145	43.188		
25	45.547	45.604		
30	43.105	43.149		
35	41.470	41.587	mica	
40	39.541	39.708	"	
45	38.680	39.140	"	
50	38.967	39.968	"	
60	37.726	39.903	"	
70	35.920	38.701	"	
80	36.329	39.217	—	
100	34.252	38.066	mica	
120	35.354	36.454		
140	34.621	35.138		✓
170	34.172	34.303	mica	✓
200	32.930	32.963		✓
230	32.699	32.715		✓
Fines Collector 1	21.247			
Fines Collector 2	21.244			
Fines Collector 3	21.249	21.265	mica	
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-070
Sampling Date: 10/8/10
Analysis Date: 4/4/11

Container wt.: 6.148
Total wt.: 18.612
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.256	46.547	1 big shell frag + other + clumps	
20	43.142	43.203		
25	45.542	45.650		
30	43.109	43.157		
35	41.473	41.634	mica	
40	39.550	39.773	—	
45	38.677	39.252	mica	
50	38.977	40.065	"	
60	37.738	39.802	"	
70	35.913	38.351	"	
80	36.341	38.613	"	
100	34.271	35.815	"	
120	35.360	36.310	—	
140	34.620	35.057		✓
170	34.188	34.296		
200	32.937	32.960		
230	32.790	32.715		✓
Fines Collector 1	21.258			
Fines Collector 2	21.248			
Fines Collector 3	21.252	21.272		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-074
Sampling Date: 10/8/10
Analysis Date: 4/9/11

Container wt.: 6.149
Total wt.: 178.979
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.258	46.328	some small clumps	
20	43.142	43.176		
25	45.544	45.598		
30	43.104	43.142	mica	
35	41.472	41.581	"	
40	39.544	39.707	"	
45	38.677	39.122	"	
50	38.966	39.984	"	
60	37.733	39.873	"	
70	35.910	38.444	"	
80	36.340	38.624	—	
100	34.271	35.732		
120	35.360	36.237		
140	34.625	35.015		✓
170	34.180	34.275		✓
200	32.937	32.963		✓
230	32.699	32.718		✓
Fines Collector 1	21.250			
Fines Collector 2	21.247			
Fines Collector 3	21.248	21.269		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-078
Sampling Date: 10/8/10
Analysis Date: 4/9/11

Container wt.: 6.154
Total wt.: 17.989
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.258	46.406	clumps	
20	43.142	43.183		
25	45.543	45.604		
30	43.101	43.128		
35	41.467	41.582		
40	39.543	39.693	mica	
45	38.672	39.074	"	
50	38.977	39.853	"	
60	37.736	39.549	"	
70	35.939	38.262	"	
80	36.349	38.792	"	
100	34.277	35.986	—	
120	35.362	36.407	mica	
140	34.624	35.121	—	✓
170	34.177	34.311		✓
200	32.938	32.965		✓
230	32.700	32.720		✓
Fines Collector 1	21.250			
Fines Collector 2	21.251			
Fines Collector 3	21.251	21.268	mica	
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-C82
Sampling Date: 10/8/10
Analysis Date: 4/10/11

Container wt.: 6.151
Total wt.: 19.890
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.265	46.381	sml-med shell frag	
20	43.152	43.193		
25	45.552	45.638		
30	43.101	43.193		
35	41.489	41.716		
40	39.555	39.866	mica	
45	38.683	39.487	"	
50	38.991	40.511	—	
60	37.747	40.175		
70	35.952	38.451		
80	36.356	38.765	mica	
100	34.299	35.757	"	
120	35.379	36.261	"	
140	34.641	35.166	—	✓
170	34.184	34.363		✓
200	32.946	32.990		✓
230	32.711	32.734		✓
Fines Collector 1	21.258			
Fines Collector 2	21.253			
Fines Collector 3	21.257	21.279		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-086
Sampling Date: 10/8/10
Analysis Date: 4/16/11

Container wt.: 6.149
Total wt.: 19.301
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.266	46.447	med shell frags	
20	43.151	43.216		
25	45.550	45.682		
30	43.116	43.251		
35	41.489	41.788	mica	
40	39.559	39.914	—	
45	38.694	39.642		
50	39.007	40.694		
60	37.778	40.446		
70	35.981	38.418		
80	36.379	38.243	mica	
100	34.309	35.337	—	
120	35.391	36.059		✓
140	34.641	35.074		✓
170	34.187	34.342		✓
200	32.948	32.983		✓
230	32.711	32.729		✓
Fines Collector 1	21.259			
Fines Collector 2	21.255			
Fines Collector 3	21.259	21.270		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-090
Sampling Date: 10/8/10
Analysis Date: 4/10/11

Container wt.: 6.148
Total wt.: 19.[redacted]393
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.265	46.464	Smal shell frags	
20	43.152	43.218		
25	45.557	45.683		
30	43.121	43.269		
35	41.493	41.561		
40	39.569	39.989		
45	38.702	39.793		
50	39.024	40.958		
60	37.795	40.652		
70	36.006	38.388		
80	36.387	37.995	much	
100	34.290	35.124	"	
120	35.389	35.927	—	✓
140	34.646	35.029		✓
170	34.187	34.310		✓
200	32.950	32.979		
230	32.711	32.727		
Fines Collector 1	21.259			
Fines Collector 2	21.251			
Fines Collector 3	21.255	21.267		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-0941
Sampling Date: 10/8/10
Analysis Date: 4/10/11

Container wt.: 6.149
Total wt.: 19.~~467~~318
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.278	46.340		
20	43.155	43.191		
25	45.555	45.633		
30	43.130	43.165		
35	41.489	41.634		
40	39.565	39.855		
45	38.736	39.700		
50	39.633	41.121		
60	37.784	40.991		
70	36.005	38.600		
80	36.367	38.040		
100	34.274	35.065		
120	35.380	35.912		✓
140	34.654	35.040		✓
170	34.191	34.326		✓
200	32.946	32.998		✓
230	32.707	32.727		
Fines Collector 1	21.258			
Fines Collector 2	21.252			
Fines Collector 3	21.250	21.263		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-098
Sampling Date: 10/8/10
Analysis Date: 4/10/11

Container wt.: 6.152
Total wt.: 18.207
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.270	46.339		
20	43.150	43.179		
25	45.557	45.597		
30	43.132	43.137		
35	40.494	40.553		
40	39.571	39.717		
45	38.737	39.298		
50	39.012	40.273		
60	37.789	40.737		
70	35.987	38.618		
80	36.362	38.183		
100	34.261	35.101		✓
120	35.372	35.957		✓
140	34.658	35.070		✓
170	34.186	34.321		✓
200	32.943	32.980		✓
230	32.700	32.727		✓
Fines Collector 1	21.251			
Fines Collector 2	21.252			
Fines Collector 3	21.259	21.265		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8102
Sampling Date: 10/8/10
Analysis Date: 4/10/11

Container wt.: 6.152
Total wt.: 20.994
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.267	46.486	clumps	
20	43.151	43.191		
25	45.551	45.604		
30	43.124	43.137		
35	41.486	41.555		
40	39.564	39.707		
45	38.714	39.247		
50	39.016	40.517		
60	37.788	41.145		
70	35.961	39.536		
80	36.346	38.830		
100	34.268	35.405		
120	35.360	36.180		✓
140	34.657	35.191		✓
170	34.180	34.361		✓
200	32.946	32.987		
230	32.717	32.733		✓
Fines Collector 1	21.253			
Fines Collector 2	21.252			
Fines Collector 3	21.251	21.265		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-106
Sampling Date: 10/8/10
Analysis Date: 4/11/11

Container wt.: 6.149
Total wt.: 18.770
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.287	46.427	clumps	
20	43.164	43.205		
25	45.567	45.607		
30	43.141	43.190		
35	41.511	41.602		
40	39.584	39.732		
45	38.730	39.234		
50	39.053	40.385		
60	37.806	40.846		
70	36.058	39.375		
80	36.398	38.331		
100	34.311	35.214		
120	35.382	35.948		✓
140	34.677	35.026		✓
170	34.208	34.303		✓
200	32.965	32.980		
230	32.733	32.735		
Fines Collector 1	21.267			
Fines Collector 2	21.263			
Fines Collector 3	21.268	21.271		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-110
Sampling Date: 10/8/10
Analysis Date: 4/11/11

Container wt.: 6.148
Total wt.: 18.008
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.282	46.443	clumps	
20	43.164	43.237		
25	45.564	45.637		
30	43.163	43.267		
35	41.515	41.726		
40	39.582	39.859		
45	38.716	39.379		
50	39.005	40.229		
60	37.800	40.019		
70	35.997	38.506		
80	34.391	38.393		
100	34.293	35.300		
120	35.391	36.104		✓
140	34.670	35.076		✓
170	34.204	34.336		✓
200	32.966	32.980		
230	32.728	32.741		✓
Fines Collector 1	21.265			
Fines Collector 2	21.263			
Fines Collector 3	21.268	21.272		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI8-114
Sampling Date: 10/8/10
Analysis Date: 4/11/11

Container wt.: 6.150
Total wt.: 20.918
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.287	46.508	sml shell frags	
20	43.169	43.321		
25	45.567	45.648		
30	43.158	43.247		
35	41.511	41.644		
40	39.589	39.745		
45	38.725	39.085		
50	39.027	39.909	mica	
60	37.794	40.133	"	
70	36.031	39.583	—	
80	36.394	39.475	mica	
100	34.295	35.858	—	
120	35.390	36.525		✓
140	34.669	35.416		✓
170	34.203	34.443		✓
200	32.965	33.017		✓
230	32.730	32.749		✓
Fines Collector 1	21.263			
Fines Collector 2	21.262			
Fines Collector 3	21.264	21.279		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-118
Sampling Date: 10/8/10
Analysis Date: 4/11/11

Container wt.: 6.153
Total wt.: 18.580
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.294	46.357	clumps	
20	43.168	43.195		
25	45.569	45.610		
30	43.170	43.191		
35	41.516	41.572		
40	39.581	39.648		
45	38.713	38.884		
50	39.013	39.427	mica	
60	37.818	39.071	"	
70	36.039	38.342	"	
80	36.401	39.349	"	
100	34.299	36.112	"	
120	35.396	36.954	—	
140	34.665	35.662		
170	34.206	34.608		✓
200	32.963	33.078		✓
230	32.728	32.798		✓
Fines Collector 1	21.261			
Fines Collector 2	21.264			
Fines Collector 3	21.263	21.330		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI-122
Sampling Date: 10/8/10
Analysis Date: 4/11/11

Container wt.: 6.153
Total wt.: 18.266
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.296	46.830		
20	43.164	43.177		
25	45.569	45.596		
30	43.158	43.194		
35	41.523	41.584		
40	39.587	39.702		
45	38.716	39.174		
50	39.011	40.226	mica	
60	37.802	40.182	"	
70	36.004	38.404	"	
80	36.413	38.319	"	
100	34.322	35.411	"	
120	35.419	36.489	—	✓
140	34.681	35.482		✓
170	34.210	34.522		✓
200	32.969	33.060		✓
230	32.731	32.788		✓
Fines Collector 1	21.268			
Fines Collector 2	21.263			
Fines Collector 3	21.265	21.312		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-126
Sampling Date: 10/8/10
Analysis Date: 4/3/12

Container wt.: 6.185
Total wt.: 19.805
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.495	49.495		
18	46.334	46.334		
20	43.228	43.233		
25	45.643	45.698		
30	43.158	43.171		
35	41.511	41.588		
40	39.616	39.707		
45	38.823	39.235		✓
50	39.066	40.291		✓
60	37.942	41.267		✓
70	36.013	39.135		✓
80	36.419	38.694		✓✓
100	34.332	35.415		✓✓
120	35.414	36.411		✓✓
140	34.703	35.328		✓✓
170	34.255	34.451		✓✓
200	33.024	33.086		
230	32.782	32.824		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.841		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CB-130
Sampling Date: 10/8/10
Analysis Date: 4/18/11

Container wt.: 6.148
Total wt.: 21.979
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.299	46.339	clumps	
20	43.171	43.182		
25	45.574	45.607		
30	43.152	43.178		
35	41.514	41.627	small amt	
40	39.579	39.795	mica little	
45	38.716	39.450	" "	
50	39.044	40.990	" "	
60	37.844	41.481	" "	
70	35.899	39.382	" "	
80	36.391	38.692	" "	✓
100	34.283	35.452	"	✓
120	35.383	36.358	"	✓
140	34.683	35.452	—	✓
170	34.204	34.480		✓
200	32.966	33.037		✓
230	32.729	32.771		✓
Fines Collector 1	21.260			
Fines Collector 2	21.256			
Fines Collector 3	21.258	21.289		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-134
Sampling Date: 10/8/10
Analysis Date: 4/16/11

Container wt.: 6.152
Total wt.: 21.128
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.292	46.370	clumps	
20	43.167	43.190		
25	45.574	45.620		
30	43.151	43.185		
35	41.514	41.628		
40	39.582	39.738		
45	38.731	39.183		
50	39.044	40.274	mica	
60	37.839	40.831	"	
70	36.021	39.422	?	
80	36.403	39.130	—	
100	34.288	35.588		✓
120	35.394	36.493		✓
140	34.714	35.568		✓
170	34.206	34.528		✓
200	32.968	33.049		✓
230	32.731	32.790		✓
Fines Collector 1	21.261			
Fines Collector 2	21.253			
Fines Collector 3	21.259	21.289		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C8-138 Container wt.: 6.153
Sampling Date: 10/8/10 Total wt.: 19.322
Analysis Date: 5/3/12 Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.495	49.495		
18	46.334	46.347		
20	43.228	43.241		
25	45.643	45.669		
30	43.158	43.173		
35	41.541	41.575	MICA	
40	39.616	39.640	"	
45	38.823	38.866	" LOTS	
50	39.066	39.125	" "	✓
60	37.942	38.113	" "	✓
70	36.013	36.450	" "	✓
80	36.419	37.538	" "	✓
100	34.332	36.264	" —	✓
120	35.414	38.763	"	✓
140	34.703	37.741	—	✓
170	34.256	35.836		✓
200	33.025	33.631		✓
230	32.782	33.125		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.797	123.128		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI-8-142
Sampling Date: 10/8/10
Analysis Date: 5/3/12

Container wt.: 6.155
Total wt.: 17.787
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.495	49.495		
18	46.331	46.390	CLUMPS & SHELLS	
20	43.228	43.253	"	
25	45.645	45.685		
30	43 158	43.178		
35	41.540	41.576	MICA	
40	39.611	39.641	"	
45	38.817	38.863	" 20TS	
50	39.051	39.104	" "	✓
60	37.928	38.001	" "	✓
70	35.989	36.107	" "	✓
80	36.396	36.611	" "	✓✓
100	34.332	34.764	" "	✓
120	35.418	36.974	" "	✓
140	34.718	37.680	" —	✓
170	34.253	36.834	—	✓
200	33.020	34.247		✓
230	32.779	33.778		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.803	123.856		
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C8-146
Sampling Date: 10/8/10
Analysis Date: 1/4/13

Container wt.: 6.155
Total wt.: 19.019
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.495	49.514			
18	1	0.00	46.334	46.355			
20	0.85	0.25	43.228	43.239			
25	0.71	0.50	45.650	45.659			
30	0.6	0.75	43.154	43.168			
35	0.5	1.00	41.540	41.557			
40	0.43	1.25	39.611	39.625			
45	0.36	1.50	38.819	38.841			
50	0.3	1.75	39.052	39.084			
60	0.25	2.00	37.919	38.015			
70	0.21	2.25	35.977	36.312			
80	0.18	2.50	36.388	37.189			
100	0.15	2.75	34.324	35.607			
120	0.13	3.00	35.423	37.919			
140	0.11	3.25	34.732	38.277			
170	0.09	3.50	34.258	36.219			
200	0.08	3.75	33.026	33.839			
230	0.06	4.00	32.786	33.391			
270	0.05	4.25	32.949	33.361			
325	0.05	4.50	32.967	33.090			
400	0.04	4.75	33.096	33.182			
450	0.03	5.00	32.748	32.783			
Fines	<0.03	> 5	122.801	122.822			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C8-150
Sampling Date: 10/8/10
Analysis Date: 1/4/13

Container wt.: 6.155
Total wt.: 16.946
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.495	49.639			
18	1	0.00	46.332	46.470			
20	0.85	0.25	43.228	43.307			
25	0.71	0.50	45.647	45.751			
30	0.6	0.75	43.153	43.228			
35	0.5	1.00	41.536	41.671			
40	0.43	1.25	39.610	39.705			
45	0.36	1.50	38.815	38.932			
50	0.3	1.75	39.051	39.186			
60	0.25	2.00	37.914	38.207			
70	0.21	2.25	35.975	36.513			
80	0.18	2.50	36.391	37.210			
100	0.15	2.75	34.323	35.345			
120	0.13	3.00	35.421	37.277			
140	0.11	3.25	34.718	36.922			
170	0.09	3.50	34.260	35.465			
200	0.08	3.75	33.034	33.566			
230	0.06	4.00	32.782	33.270			
270	0.05	4.25	32.951	33.377			
325	0.05	4.50	32.968	33.193			
400	0.04	4.75	33.095	33.238			
450	0.03	5.00	32.750	32.802			
Fines	<0.03	> 5	122.803	122.831			

Vibracore C9

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-OC2
Sampling Date: 10/8/10
Analysis Date: 8/27/12

Container wt.: 6.157
Total wt.: 18.40C
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.61#	49.611			
18	1	0.00	46.464	46.472			
20	0.85	0.25	43.345	43.346			
25	0.71	0.50	45.785	45.789			
30	0.6	0.75	43.281	43.299			
35	0.5	1.00	41.659	41.710			
40	0.43	1.25	39.736	39.844			
45	0.36	1.50	39.043	39.346		✓	
50	0.3	1.75	39.167	39.826		✓	
60	0.25	2.00	38.337	39.808		✓	✓
70	0.21	2.25	37.714	39.587		✓	✓
80	0.18	2.50	36.499	38.696			✓
100	0.15	2.75	34.413	36.264			✓
120	0.13	3.00	35.484	37.067			✓
140	0.11	3.25	34.823	35.771			✓
170	0.09	3.50	34.395	34.725			✓
200	0.08	3.75	33.138	33.247			
230	0.06	4.00	32.896	32.983			
Fines	<0.06	> 4	122.880	123.018			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-006
Sampling Date: 10/8/10
Analysis Date: 8/27/12

Container wt.: 6.157
Total wt.: 19.879
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.611	49.631			
18	1	0.00	46.467	46.506			
20	0.85	0.25	43.341	43.343			
25	0.71	0.50	45.779	45.787			
30	0.6	0.75	43.281	43.302			
35	0.5	1.00	41.651	41.761			
40	0.43	1.25	39.728	39.906			
45	0.36	1.50	39.038	39.473			
50	0.3	1.75	39.155	40.036		✓	
60	0.25	2.00	38.368	40.122		✓	
70	0.21	2.25	37.723	39.862		✓	✓
80	0.18	2.50	36.520	39.002		✓	✓
100	0.15	2.75	34.406	36.567			✓
120	0.13	3.00	35.489	37.241			✓
140	0.11	3.25	34.815	35.848			✓✓
170	0.09	3.50	34.385	34.699			✓✓
200	0.08	3.75	33.129	33.221			
230	0.06	4.00	32.890	32.943			
Fines	<0.06	> 4	122.826	122.898			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-010
Sampling Date: 10/8/10
Analysis Date: 8/27/12

Container wt.: 6.156
Total wt.: 20.648
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.600	49.668			
18	1	0.00	46.458	46.492			
20	0.85	0.25	43.336	43.352			
25	0.71	0.50	45.773	45.802			
30	0.6	0.75	43.267	43.299			
35	0.5	1.00	41.637	41.793			
40	0.43	1.25	39.712	39.969			
45	0.36	1.50	39.625	39.630		✓	
50	0.3	1.75	39.143	40.342		✓	✓
60	0.25	2.00	38.352	40.496		✓	✓
70	0.21	2.25	37.703	39.983		✓	✓
80	0.18	2.50	36.507	38.908		✓	✓
100	0.15	2.75	34.406	36.227			✓
120	0.13	3.00	35.490	36.988			✓
140	0.11	3.25	34.813	35.665			✓
170	0.09	3.50	34.379	34.647			✓
200	0.08	3.75	33.126	33.209			
230	0.06	4.00	32.888	32.943			
Fines	<0.06	> 4	122.824	122.904			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-C14
Sampling Date: 10/8/10
Analysis Date: 8/~~28~~27/12

Container wt.: 6.157
Total wt.: 19.295
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.606	49.604			
18	1	0.00	46.453	46.464			
20	0.85	0.25	43.333	43.340			
25	0.71	0.50	45.774	45.783			
30	0.6	0.75	43.266	43.285			
35	0.5	1.00	41.634	41.698			
40	0.43	1.25	39.713	39.823			
45	0.36	1.50	39.025	39.347		✓	
50	0.3	1.75	39.145	39.916		✓	✓
60	0.25	2.00	38.413	39.962		✓	✓
70	0.21	2.25	37.714	39.900		✓	✓
80	0.18	2.50	36.558	39.242			✓
100	0.15	2.75	34.404	36.516			✓
120	0.13	3.00	35.480	37.203			✓
140	0.11	3.25	34.807	35.772			✓
170	0.09	3.50	34.374	34.638			✓✓
200	0.08	3.75	33.122	33.205			
230	0.06	4.00	32.885	32.945			
Fines	<0.06	> 4	122.821	122.891			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-018
Sampling Date: 10/8/10
Analysis Date: 8/~~28~~27/12

Container wt.: 6.157
Total wt.: 18.569
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.603	49.640			
18	1	0.00	46.449	46.468			
20	0.85	0.25	43.331	43.333			
25	0.71	0.50	45.768	45.778			
30	0.6	0.75	43.264	43291			
35	0.5	1.00	41.634	41.692			
40	0.43	1.25	39.711	39.814			
45	0.36	1.50	39.025	39.331		✓	
50	0.3	1.75	39.140	39.845		✓	
60	0.25	2.00	38.442	39.797		✓	✓
70	0.21	2.25	37.714	39.727		✓	✓
80	0.18	2.50	36.518	39.063		✓	✓
100	0.15	2.75	34.401	36.475		✓	✓
120	0.13	3.00	35.487	37.098			✓
140	0.11	3.25	34.803	35.730			✓
170	0.09	3.50	34.369	34.620			✓
200	0.08	3.75	33.122	33.204			
230	0.06	4.00	32.885	32.945			
Fines	<0.06	> 4	122.820	122.884			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-C12
Sampling Date: 10/8/10
Analysis Date: 5/25/12

Container wt.: 6.156
Total wt.: 19.304
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.632	49.628			
18	1	0.00	46.458	46.493			
20	0.85	0.25	43.336	43.344			
25	0.71	0.50	45.771	45.791			
30	0.6	0.75	43.271	43.300			
35	0.5	1.00	41.641	41.718			
40	0.43	1.25	39.718	39.833			
45	0.36	1.50	39.035	39.332		✓	
50	0.3	1.75	39.151	39.767		✓	
60	0.25	2.00	38.453	39.740		✓	
70	0.21	2.25	37.719	39.741		✓	✓
80	0.18	2.50	36.523	39.331			✓
100	0.15	2.75	34.411	36.622			✓
120	0.13	3.00	35.488	37.211			✓
140	0.11	3.25	34.814	35.906			✓
170	0.09	3.50	34.575	34.703			✓
200	0.08	3.75	33.129	35.246			
230	0.06	4.00	32.891	32.974			
Fines	<0.06	> 4	122.824	122.906			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-026
Sampling Date: 10/8/10
Analysis Date: 8/28/12

Container wt.: 6.158
Total wt.: 19.601
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.626	49.691			
18	1	0.00	46.459	46.508			
20	0.85	0.25	43.337	43.346			
25	0.71	0.50	45.772	45.795			
30	0.6	0.75	43.269	43.292			
35	0.5	1.00	41.639	41.705			
40	0.43	1.25	39.717	39.809			
45	0.36	1.50	39.037	39.257		✓	
50	0.3	1.75	39.156	39.574		✓	
60	0.25	2.00	38.444	39.456		✓	
70	0.21	2.25	37.729	39.360		✓	✓
80	0.18	2.50	36.549	39.200		✓	✓
100	0.15	2.75	34.405	36.852		✓	✓
120	0.13	3.00	35.487	37.630			✓
140	0.11	3.25	34.815	36.128			✓
170	0.09	3.50	34.372	34.908			✓
200	0.08	3.75	33.125	33.361			
230	0.06	4.00	32.890	33.095			
Fines	<0.06	> 4	122.822	123.054			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-03C
Sampling Date: 10/8/10
Analysis Date: 8/28/12

Container wt.: 6.156
Total wt.: 19.776
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.623	49.774			
18	1	0.00	46.457	46.764			
20	0.85	0.25	43.334	43.420			
25	0.71	0.50	45.770	45.901			
30	0.6	0.75	43.266	43.393			
35	0.5	1.00	41.638	41.795		✓	
40	0.43	1.25	39.716	39.835		✓	
45	0.36	1.50	39.035	39.201		✓	
50	0.3	1.75	39.154	39.355		✓	
60	0.25	2.00	38.444	38.773		✓	✓
70	0.21	2.25	37.728	38.321		✓	✓
80	0.18	2.50	36.676	37.806		✓	✓
100	0.15	2.75	34.408	35.804		✓	✓
120	0.13	3.00	35.481	37.178		✓	✓
140	0.11	3.25	34.811	36.616			✓
170	0.09	3.50	34.373	35.784			
200	0.08	3.75	33.126	33.919			
230	0.06	4.00	32.892	34.202			
Fines	<0.06	> 4	122.823	124.389			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-634
Sampling Date: 10/8/10
Analysis Date: 5/28/12

Container wt.: 6.158
Total wt.: 17.905
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.622	49.626			
18	1	0.00	46.457	46.599			
20	0.85	0.25	43.334	43.382			
25	0.71	0.50	45.770	45.825			
30	0.6	0.75	43.274	43.311			
35	0.5	1.00	41.645	41.715			
40	0.43	1.25	39.720	39.770			
45	0.36	1.50	39.037	39.109		✓	
50	0.3	1.75	39.159	39.254		✓	
60	0.25	2.00	38.441	38.727		✓	
70	0.21	2.25	37.733	38.567		✓	
80	0.18	2.50	36.529	38.542		✓	✓
100	0.15	2.75	34.409	36.526		✓	✓
120	0.13	3.00	35.485	37.753		✓	✓
140	0.11	3.25	34.814	36.500			✓
170	0.09	3.50	34.373	35.063			✓
200	0.08	3.75	33.129	33.441			
230	0.06	4.00	32.898	33.229			
Fines	<0.06	> 4	122.827	123.382			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-C38
Sampling Date: 10/8/10
Analysis Date: 8/28/12

Container wt.: 6.157
Total wt.: 19.025
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.616	49.616			
18	1	0.00	46.456	46.549			
20	0.85	0.25	43.334	43.355			
[illegible]	0.71	0.50	45.770	45.819			
30	0.6	0.75	43.267	43.295			
35	0.5	1.00	41.642	41.687		✓	
40	0.43	1.25	39.718	39.753		✓	
[illegible]	0.36	1.50	39.036	39.087		✓	
50	0.3	1.75	39.153	39.228		✓	
60	0.25	2.00	38.392	38.695		✓	
70	0.21	2.25	37.744	38.748		✓	✓
[illegible]	0.18	2.50	36.540	38.984		✓	✓
100	0.15	2.75	34.408	37.029		✓	✓
120	0.13	3.00	35.495	38.114			✓
140	0.11	3.25	34.820	36.733			✓
170	0.09	3.50	34.369	35.095			
200	0.08	3.75	33.126	33.398			
230	0.06	4.00	32.891	33.119			
Fines	<0.06	>4	122.826	123.109			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-042
Sampling Date: 10/8/10
Analysis Date: 9/19/12

Container wt.: 6.163
Total wt.: 18.851
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.405	46.521			
20	0.85	0.25	43.309	43.330			
25	0.71	0.50	45.758	45.788			
30	0.6	0.75	43.262	43.282			
35	0.5	1.00	41.609	41.641			
40	0.43	1.25	39.711	39.738		✓	
45	0.36	1.50	39.306	39.344		✓	
50	0.3	1.75	39.148	39.212		✓	
60	0.25	2.00	38.452	38.703		✓	
70	0.21	2.25	37.707	38.803		✓	✓
80	0.18	2.50	36.518	38.839		✓	✓
100	0.15	2.75	34.428	37.216		✓	✓
120	0.13	3.00	35.510	38.295			✓
140	0.11	3.25	34.840	36.734			✓
170	0.09	3.50	34.385	34.957			✓
200	0.08	3.75	34.830	35.049			✓
230	0.06	4.00	32.860	33.003			✓
270	0.05	4.25	32.936	33.009			
325	0.05	4.50	32.861	32.903			
400	0.04	4.75	33.026	33.055			
450	0.03	5.00	32.684	32.693			
Fines	<0.03	> 5	122.824	122.847			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-C496
Sampling Date: 10/8/10
Analysis Date: 9/20/12

Container wt.: 6.161
Total wt.: 19.663
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.400	46.480			
20	0.85	0.25	43.303	43.317			
25	0.71	0.50	45.755	45.780			
30	0.6	0.75	43.256	43.276			
35	0.5	1.00	41.602	41.624			
40	0.43	1.25	39.702	39.724			
45	0.36	1.50	39.297	39.327		✓	
50	0.3	1.75	39.143	39.176		✓	
60	0.25	2.00	38.397	38.476		✓	
70	0.21	2.25	37.701	37.957		✓	
80	0.18	2.50	36.549	37.547		✓	
100	0.15	2.75	34.427	36.745		✓	✓
120	0.13	3.00	35.516	39.223			✓
140	0.11	3.25	34.841	38.035			✓
170	0.09	3.50	34.395	35.585			✓
200	0.08	3.75	34.827	35.330			✓
230	0.06	4.00	32.855	33.297			
270	0.05	4.25	32.933	33.128			
325	0.05	4.50	32.857	33.062			
400	0.04	4.75	33.020	33.124			
450	0.03	5.00	32.672	32.721			
Fines	<0.03	> 5	122.822	122.889			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-050
Sampling Date: 10/5/10
Analysis Date: 9/20/12

Container wt.: 6.164
Total wt.: 20.587
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.399	46.434			
20	0.85	0.25	43.304	43.319			
25	0.71	0.50	45.756	45.781			
30	0.6	0.75	43.255	43.287			
35	0.5	1.00	41.601	41.629			
40	0.43	1.25	39.704	39.725		✓	
45	0.36	1.50	39.299	39.328		✓	
50	0.3	1.75	39.140	39.181		✓	
60	0.25	2.00	38.395	38.517		✓	
70	0.21	2.25	37.698	38.151		✓	
80	0.18	2.50	36.515	38.182		✓	✓
100	0.15	2.75	34.433	37.033		✓	✓
120	0.13	3.00	35.525	39.288			✓
140	0.11	3.25	34.845	37.987			✓
170	0.09	3.50	34.405	35.491			✓
200	0.08	3.75	34.837	35.315			✓
230	0.06	4.00	32.853	33.241			✓
270	0.05	4.25	32.931	33.109			✓
325	0.05	4.50	32.856	32.971			
400	0.04	4.75	33.022	33.100			
450	0.03	5.00	32.672	32.709			
Fines	<0.03	> 5	122.824	122.878			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-054 Container wt.: 6.163
Sampling Date: 10/8/10 Total wt.: 21.851
Analysis Date: 9/20/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.349	46.444			
20	0.85	0.25	43.303	43.307			
25	0.71	0.50	45.754	45.763			
30	0.6	0.75	43.255	43.276			
35	0.5	1.00	41.601	41.615			
40	0.43	1.25	39.703	39.716		✓	
45	0.36	1.50	39.297	39.327		✓	
50	0.3	1.75	39.139	39.197		✓	
60	0.25	2.00	38.386	38.597		✓	
70	0.21	2.25	37.696	38.582		✓	
80	0.18	2.50	36.511	39.308		✓	✓
100	0.15	2.75	34.446	37.589			✓
120	0.13	3.00	35.523	39.021			✓
140	0.11	3.25	34.850	37.744			✓
170	0.09	3.50	34.408	35.374			✓
200	0.08	3.75	34.838	35.227			✓
230	0.06	4.00	32.855	33.183			
270	0.05	4.25	32.931	33.067			
325	0.05	4.50	32.856	32.939			
400	0.04	4.75	33.079	33.076			
450	0.03	5.00	32.673	32.695			
Fines	<0.03	> 5	122.820	122.851			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-058
Sampling Date: 10/8/10
Analysis Date: 9/20/12

Container wt.: 6.162
Total wt.: 20.979
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.397	46.417			
20	0.85	0.25	43.302	43.303			
25	0.71	0.50	45.752	45.757			
30	0.6	0.75	43.255	43.274			
35	0.5	1.00	41.600	41.610			
40	0.43	1.25	39.701	39.709			
45	0.36	1.50	39.297	39.316		✓	
50	0.3	1.75	39.139	39.175		✓	
60	0.25	2.00	38.387	38.550		✓	
70	0.21	2.25	37.697	38.185		✓	✓
80	0.18	2.50	36.529	40.282		✓	✓
100	0.15	2.75	34.445	38.299		✓	✓
120	0.13	3.00	35.539	38.252			✓
140	0.11	3.25	34.861	36.643			✓
170	0.09	3.50	34.432	35.072			✓
200	0.08	3.75	34.846	35.106			✓
230	0.06	4.00	32.854	33.041			✓
270	0.05	4.25	32.931	33.023			
325	0.05	4.50	32.855	32.906			
400	0.04	4.75	33.029	33.054			
450	0.03	5.00	32.669	32.682			
Fines	<0.03	> 5	122.823	122.838			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-062
Sampling Date: 10/8/10
Analysis Date: 9/20/12

Container wt.: 6.161
Total wt.: 21.651
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.397	46.414			
20	0.85	0.25	43.301	43.304			
25	0.71	0.50	45.751	45.759			
30	0.6	0.75	43.253	43.272			
35	0.5	1.00	41.599	41.609			
40	0.43	1.25	39.701	39.709			
45	0.36	1.50	39.297	39.314		✓	
50	0.3	1.75	39.135	39.163		✓	
60	0.25	2.00	38.436	38.465		✓	
70	0.21	2.25	37.705	38.067		✓	
80	0.18	2.50	36.519	39.097		✓	✓
100	0.15	2.75	34.489	39.224		✓	✓
120	0.13	3.00	35.534	39.532			✓
140	0.11	3.25	34.865	36.951			✓
170	0.09	3.50	34.441	35.173			✓
200	0.08	3.75	34.836	35.133			✓
230	0.06	4.00	32.854	33.099			✓
270	0.05	4.25	32.931	33.022			
325	0.05	4.50	32.853	32.912			
400	0.04	4.75	33.017	33.058			
450	0.03	5.00	32.667	32.682			
Fines	<0.03	> 5	122.879	122.886			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-066
Sampling Date: 10/8/10
Analysis Date: 9/20/12

Container wt.: 6.160
Total wt.: 19.952
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	16.397	16.409			
20	0.85	0.25	43.299	43.301			
25	0.71	0.50	45.750	45.755			
30	0.6	0.75	43.252	43.262			
35	0.5	1.00	41.597	41.606			
40	0.43	1.25	39.700	39.707			
45	0.36	1.50	39.294	39.309			
50	0.3	1.75	39.135	39.154		✓	
60	0.25	2.00	38.386	38.455		✓	
70	0.21	2.25	37.699	38.040		✓	✓
80	0.18	2.50	34.519	38.276		✓	✓
100	0.15	2.75	34.458	38.034			✓
120	0.13	3.00	35.524	39.256			✓
140	0.11	3.25	34.857	37.396			✓
170	0.09	3.50	34.413	35.232			✓
200	0.08	3.75	34.839	35.180			✓
230	0.06	4.00	32.855	33.106			✓
270	0.05	4.25	32.929	33.037			
325	0.05	4.50	32.854	32.907			
400	0.04	4.75	33.019	33.050			
450	0.03	5.00	32.667	32.675			
Fines	<0.03	> 5	122.821	122.836			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-C70
Sampling Date: 10/8/10
Analysis Date: 9/20/12

Container wt.: 6.161
Total wt.: 21.901
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.364	46.405			
20	0.85	0.25	43.298	43.311			
25	0.71	0.50	45.750	45.776			
30	0.6	0.75	43.252	43.279			
35	0.5	1.00	41.599	41.632			
40	0.43	1.25	39.649	39.731			
45	0.36	1.50	39.294	39.341		✓	
50	0.3	1.75	39.135	39.202		✓	
60	0.25	2.00	38.380	38.552		✓	
70	0.21	2.25	37.702	38.276		✓	
80	0.18	2.50	36.549	38.798		✓	—
100	0.15	2.75	34.451	38.267			✓
120	0.13	3.00	35.519	39.050			✓
140	0.11	3.25	34.879	37.434			✓
170	0.09	3.50	34.432	35.473			✓
200	0.08	3.75	34.850	35.382			✓
230	0.06	4.00	32.852	33.326			✓
270	0.05	4.25	32.929	33.110			
325	0.05	4.50	32.853	32.951			
400	0.04	4.75	33.016	33.076			
450	0.03	5.00	32.663	32.684			
Fines	<0.03	> 5	122.820	122.851			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-074
Sampling Date: 10/8/10
Analysis Date: 9/20/12

Container wt.: 6.159
Total wt.: 20.945
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.395	46.554			
20	0.85	0.25	43.298	43.358			
25	0.71	0.50	45.752	45.825			
30	0.6	0.75	43.254	43317			
35	0.5	1.00	41.599	41.676			
40	0.43	1.25	39.700	39.763			
45	0.36	1.50	39.294	39.372		✓	
50	0.3	1.75	39.129	39.211		✓	
60	0.25	2.00	38.390	38.514		✓	
70	0.21	2.25	37.694	38.004		✓	
80	0.18	2.50	36.521	37.681		✓	✓
100	0.15	2.75	34.448	37.159		✓	✓
120	0.13	3.00	35.552	39.425			✓
140	0.11	3.25	34.855	37.864			✓
170	0.09	3.50	34.403	35.665			✓
200	0.08	3.75	34.844	35.330			✓
230	0.06	4.00	32.554	33.277			✓
270	0.05	4.25	32.930	33.156			
325	0.05	4.50	32.852	33.009			
400	0.04	4.75	33.017	33.139			
450	0.03	5.00	32.664	32.718			
Fines	<0.03	> 5	122.821	122.942			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-C78
Sampling Date: 10/8/16
Analysis Date: 9/26/17

Container wt.: 6.161
Total wt.: 22.312
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.395	47.468			
20	0.85	0.25	43.297	43.639			
25	0.71	0.50	45.749	46.180			
30	0.6	0.75	43.252	43.585			
35	0.5	1.00	41.597	41.934			
40	0.43	1.25	39.700	39.924			
45	0.36	1.50	39.294	39.555			
50	0.3	1.75	39.131	39.374		✓	
60	0.25	2.00	38.377	38.630		✓	
70	0.21	2.25	37.693	37.967		✓	
80	0.18	2.50	36.506	37.015		✓	✓
100	0.15	2.75	34.453	35.629			✓
120	0.13	3.00	35.542	35.119			✓
140	0.11	3.25	34.869	37.410			✓
170	0.09	3.50	34.401	35.970			✓
200	0.08	3.75	34.841	35.746			✓
230	0.06	4.00	32.854	34.003			
270	0.05	4.25	32.932	33.475			
325	0.05	4.50	32.851	33.252			
400	0.04	4.75	33.020	33.351			
450	0.03	5.00	32.664	32.936			
Fines	<0.03	> 5	122.820	123.060			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-C82
Sampling Date: 10/8/10
Analysis Date: 9/20/12

Container wt.: 6.163
Total wt.: 17.001
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.466	47.210			
20	0.85	0.25	43.312	43.551			
25	0.71	0.50	45.763	46.081			
30	0.6	0.75	43.267	43.578			
35	0.5	1.00	41.603	41.884			
40	0.43	1.25	39.703	39.899			
45	0.36	1.50	39.297	39.528			
50	0.3	1.75	39.134	39.344		✓	
60	0.25	2.00	38.382	38.602		✓	✓
70	0.21	2.25	37.694	37.906		✓	
80	0.18	2.50	36.500	36.762			✓
100	0.15	2.75	34.443	34.956			✓
120	0.13	3.00	35.531	36.941			✓
140	0.11	3.25	34.881	36.406			
170	0.09	3.50	34.400	35.498			
200	0.08	3.75	34.845	35.409			
230	0.06	4.00	32.857	33.791			
270	0.05	4.25	32.936	33.302			
325	0.05	4.50	32.856	33.181			
400	0.04	4.75	33.021	33.278			
450	0.03	5.00	32.674	32.906			
Fines	<0.03	> 5	122.819	123.011			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-056
Sampling Date: 10/8/12
Analysis Date: 9/20/12

Container wt.: 6.161
Total wt.: 18.307
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.415	47.378			
20	0.85	0.25	43.315	43.627			
25	0.71	0.50	45.769	46.178			
30	0.6	0.75	43.270	43.666			
35	0.5	1.00	41.604	41.971			
40	0.43	1.25	39.707	39.960			
45	0.36	1.50	39.297	39.575			
50	0.3	1.75	39.135	39.407		✓	
60	0.25	2.00	38.381	38.654		✓	
70	0.21	2.25	37.696	37.963		✓	
80	0.18	2.50	36.498	36.831		✓	
100	0.15	2.75	34.439	35.097			✓
120	0.13	3.00	35.532	37.009			✓
140	0.11	3.25	34.900	36.666			✓
170	0.09	3.50	34.410	35.494			
200	0.08	3.75	34.540	35.487			
230	0.06	4.00	32.854	33.769			
270	0.05	4.25	32.934	33.370			
325	0.05	4.50	32.859	33.173			
400	0.04	4.75	33.012	33.251			
450	0.03	5.00	32.678	32.890			
Fines	<0.03	> 5	122.820	123.000			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 09-09C
Sampling Date: 10/8/10
Analysis Date: 9/20/12

Container wt.: 6.161
Total wt.: 18.636
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.416	47.211			
20	0.85	0.25	43.320	43.596			
25	0.71	0.50	45.773	46.169			
30	0.6	0.75	43.274	43.562			
35	0.5	1.00	41.606	41.948			
40	0.43	1.25	39.707	39.950			
45	0.36	1.50	39.296	39.564			
50	0.3	1.75	39.135	39.375		✓	
60	0.25	2.00	38.388	38.644		✓	
70	0.21	2.25	37.647	37.939		✓	
80	0.18	2.50	36.498	36.819		✓	
100	0.15	2.75	34.436	35.077			
120	0.13	3.00	35.535	37.724			
140	0.11	3.25	34.915	36.930			
170	0.09	3.50	34.401	35.555			
200	0.08	3.75	34.838	35.526			
230	0.06	4.00	32.854	33.841			
270	0.05	4.25	32.436	33.332			
325	0.05	4.50	32.855	33.173			
400	0.04	4.75	33.029	33.279			
450	0.03	5.00	32.675	32.900			
Fines	<0.03	> 5	122.821	123.024			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 09-C94
Sampling Date: 10/8/10
Analysis Date: 9/26/12

Container wt.: 6.161
Total wt.: 19.170
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.425	47.633			
20	0.85	0.25	43.324	43.643			
25	0.71	0.50	45.795	46.202			
30	0.6	0.75	43.277	43.580			
35	0.5	1.00	41.611	41.957			
40	0.43	1.25	39.707	39.939			
45	0.36	1.50	39.298	39.572			
50	0.3	1.75	39.126	39.377			
60	0.25	2.00	38.376	38.645			
70	0.21	2.25	37.688	37.958		✓	
80	0.18	2.50	36.491	36.861			
100	0.15	2.75	34.437	35.278			
120	0.13	3.00	35.526	37.412			
140	0.11	3.25	34.891	36.726			
170	0.09	3.50	34.394	35.645			
200	0.08	3.75	34.837	35.620			
230	0.06	4.00	32.854	33.712			
270	0.05	4.25	32.935	33.272			
325	0.05	4.50	32.857	33.126			
400	0.04	4.75	33.019	33.233			
450	0.03	5.00	32.676	32.842			
Fines	<0.03	> 5	122.821	122.944			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-098
Sampling Date: 10/8/10
Analysis Date: 9/20/12

Container wt.: 0.161
Total wt.: 19.918
Sample wt.: _____

Observations: COMPLETE GASTROPOD SHELL

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.413	47.912			
20	0.85	0.25	43.319	43.715			
25	0.71	0.50	45.785	46.285			
30	0.6	0.75	43.270	43.649			
35	0.5	1.00	41.606	42.013			
40	0.43	1.25	39.709	39.959			
45	0.36	1.50	39.295	39.602			
50	0.3	1.75	39.125	39.410		✓	
60	0.25	2.00	38.381	38.692		✓	
70	0.21	2.25	37.687	37.999		✓	
80	0.18	2.50	36.490	36.888		✓	
100	0.15	2.75	34.430	35.227			
120	0.13	3.00	35.539	37.278			
140	0.11	3.25	34.900	36.972			
170	0.09	3.50	34.406	35.556			
200	0.08	3.75	34.838	35.492			
230	0.06	4.00	32.858	33.667			
270	0.05	4.25	32.938	33.358			
325	0.05	4.50	32.860	33.167			
400	0.04	4.75	33.021	33.228			
450	0.03	5.00	32.677	32.879			
Fines	<0.03	> 5	122.821	122.936			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 09-102
Sampling Date: 10/8/10
Analysis Date: 9/26/12

Container wt.: 6.160
Total wt.: 20.117
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.420	47.570			
20	0.85	0.25	43.318	43.643			
25	0.71	0.50	45.779	46.215			
30	0.6	0.75	43.277	43.615			
35	0.5	1.00	41.611	41.964			
40	0.43	1.25	39.714	39.934			
45	0.36	1.50	39.293	39.573			
50	0.3	1.75	39.125	39.382		✓	
60	0.25	2.00	38.423	38.673		✓	
70	0.21	2.25	37.689	38.066		✓	
80	0.18	2.50	36.488	36.832			
100	0.15	2.75	34.422	35.331			
120	0.13	3.00	35.530	37.650			
140	0.11	3.25	34.907	37.325			
170	0.09	3.50	34.408	35.463			
200	0.08	3.75	34.839	35.484			
230	0.06	4.00	32.854	33.713			
270	0.05	4.25	32.940	33.480			
325	0.05	4.50	32.858	33.204			
400	0.04	4.75	33.020	33.241			
450	0.03	5.00	32.676	32.873			
Fines	<0.03	> 5	122.870	122.414			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 09-106
Sampling Date: 10/8/10
Analysis Date: 9/20/12

Container wt.: 6.160
Total wt.: 18.305
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.417	47.463			
20	0.85	0.25	43.324	43.638			
25	0.71	0.50	45.785	46.153			
30	0.6	0.75	43.274	43.560			
35	0.5	1.00	41.612	41.924			
40	0.43	1.25	39.705	39.901			
45	0.36	1.50	39.291	39.525			
50	0.3	1.75	39.124	39.328			
60	0.25	2.00	38.387	38.605		✓	
70	0.21	2.25	37.692	37.903		✓	
80	0.18	2.50	36.486	36.755			
100	0.15	2.75	34.430	34.989		✓	
120	0.13	3.00	35.529	37.351			
140	0.11	3.25	34.908	36.860			
170	0.09	3.50	34.406	35.739			
200	0.08	3.75	34.835	35.513			
230	0.06	4.00	32.855	33.685			
270	0.05	4.25	32.938	33.768			
325	0.05	4.50	32.861	33.124			
400	0.04	4.75	33.017	33.229			
450	0.03	5.00	32.675	32.585			
Fines	<0.03	> 5	122.823	122.930			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-11C
Sampling Date: 10/8/10
Analysis Date: 6/20/12

Container wt.: 6.161
Total wt.: 20.644
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.422	48.002			
20	0.85	0.25	43.324	43.696			
25	0.71	0.50	45.787	46.210			
30	0.6	0.75	43.272	43.604			
35	0.5	1.00	41.613	41.961			
40	0.43	1.25	39.704	39.939			
45	0.36	1.50	39.293	39.563			
50	0.3	1.75	39.121	39.865		✓	
60	0.25	2.00	38.375	38.632		✓	
70	0.21	2.25	37.688	37.926		✓	
80	0.18	2.50	36.484	36.809		✓	
100	0.15	2.75	34.424	35.292		✓	
120	0.13	3.00	35.533	38.237			
140	0.11	3.25	34.900	37.726			
170	0.09	3.50	34.405	35.526			
200	0.08	3.75	34.835	35.398			
230	0.06	4.00	32.854	33.521			
270	0.05	4.25	32.938	33.294			
325	0.05	4.50	32.861	33.116			
400	0.04	4.75	33.021	33.183			
450	0.03	5.00	32.675	33.812			
Fines	<0.03	> 5	122.822	122.869			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-114
Sampling Date: 10/8/12
Analysis Date: 9/20/12

Container wt.: 6.159
Total wt.: 20.197
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.418	48.220			
20	0.85	0.25	43.324	43.664			
25	0.71	0.50	45.782	46.173			
30	0.6	0.75	43.277	43523			
35	0.5	1.00	41.617	41.919			
40	0.43	1.25	39.782	39.906			
45	0.36	1.50	39.303	39.521		✓	
50	0.3	1.75	39.124	39.341			
60	0.25	2.00	38.384	38.631		✓	
70	0.21	2.25	37.686	37.921		✓	
80	0.18	2.50	36.486	36.812			
100	0.15	2.75	34.426	35.293			
120	0.13	3.00	35.526	37.926			
140	0.11	3.25	34.855	37.520			
170	0.09	3.50	34.402	35.667			
200	0.08	3.75	34.837	35.436			
230	0.06	4.00	32.856	33 482			
270	0.05	4.25	32.938	33.255			
325	0.05	4.50	32.858	33.081			
400	0.04	4.75	33.021	33 187			
450	0.03	5.00	32.678	32.809			
Fines	<0.03	> 5	122.821	122.923			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-118
Sampling Date: 10/8/10
Analysis Date: 9/24/12

Container wt.: 0.160
Total wt.: 20.834
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.416	47.331			
20	0.85	0.25	43.309	43.519			
25	0.71	0.50	45.775	46.015			
30	0.6	0.75	43.260	43.441			
35	0.5	1.00	41.608	41.808			
40	0.43	1.25	39.704	39.829			
45	0.36	1.50	39.291	39.442		✓	
50	0.3	1.75	39.118	39.254		✓	
60	0.25	2.00	38.377	38.530		✓	
70	0.21	2.25	37.686	37.835		✓	
80	0.18	2.50	36.485	36.740		✓	
100	0.15	2.75	34.423	35.466		✓	
120	0.13	3.00	35.516	39.467			
140	0.11	3.25	34.404	38.246			
170	0.09	3.50	34.407	35.782			
200	0.08	3.75	34.835	35.446			
230	0.06	4.00	32.854	33.465			
270	0.05	4.25	32.939	33.200			
325	0.05	4.50	32.861	33.059			
400	0.04	4.75	33.021	33.185			
450	0.03	5.00	32.678	32.809			
Fines	<0.03	> 5	122.826	128.966			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-122
Sampling Date: 10/8/10
Analysis Date: 9/24/12

Container wt.: 6.162
Total wt.: 17.505
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.464	46.688			
20	0.85	0.25	43.303	43.388			
25	0.71	0.50	45.769	45.871			
30	0.6	0.75	43.260	43.323			
35	0.5	1.00	41.605	41.687			
40	0.43	1.25	39.649	39.754			
45	0.36	1.50	39.288	39.354			
50	0.3	1.75	39.121	39.178		✓	
60	0.25	2.00	38.375	38.451		✓	
70	0.21	2.25	37.689	37.770		✓	
80	0.18	2.50	36.486	36.622		✓	
100	0.15	2.75	34.428	35.123			
120	0.13	3.00	35.524	38.466			
140	0.11	3.25	34.894	38.620			
170	0.09	3.50	34.408	35.512			
200	0.08	3.75	34.831	35.288			
230	0.06	4.00	32.849	33.173			
270	0.05	4.25	32.936	33.089			
325	0.05	4.50	32.856	32.945			
400	0.04	4.75	33.020	33.085			
450	0.03	5.00	32.675	32.711			
Fines	<0.03	> 5	122.819	122.903			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 09-126
Sampling Date: 10/8/10
Analysis Date: 9/24/12

Container wt.: 6.161
Total wt.: 19.391
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.349	46.930			
20	0.85	0.25	43.298	43.435			
25	0.71	0.50	45.763	45.915			
30	0.6	0.75	43.256	43.359			
35	0.5	1.00	41.597	41.701			
40	0.43	1.25	39.698	39.766			
45	0.36	1.50	39.285	39.362		✓	
50	0.3	1.75	39.116	39.184		✓	
60	0.25	2.00	38.371	38.453		✓	
70	0.21	2.25	37.680	37.773		✓	
80	0.18	2.50	36.478	36.653			
100	0.15	2.75	34.419	35.549		✓	
120	0.13	3.00	35.534	40.230			
140	0.11	3.25	34.884	38.409			
170	0.09	3.50	34.406	35.519			
200	0.08	3.75	34.833	35.249			
230	0.06	4.00	32.851	33.156			
270	0.05	4.25	32.934	33.067			
325	0.05	4.50	32.857	32.938			
400	0.04	4.75	33.615	33.085			
450	0.03	5.00	32.665	32.706			
Fines	<0.03	> 5	122.818	122.896			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-130
Sampling Date: 10/8/12
Analysis Date: 9/24/12

Container wt.: 6.163
Total wt.: 18.960
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.398	47.839			
20	0.85	0.25	43.297	43.488			
25	0.71	0.50	45.766	46.016			
30	0.6	0.75	43.258	43.426			
35	0.5	1.00	41.596	41.777			
40	0.43	1.25	39.699	39.831		✓	
45	0.36	1.50	39.286	39.432		✓	
50	0.3	1.75	39.113	39.252		✓	
60	0.25	2.00	38.366	38.527		✓	
70	0.21	2.25	37.699	37.851		✓	
80	0.18	2.50	36.477	36.733		✓	
100	0.15	2.75	34.426	35.371			
120	0.13	3.00	35.527	39.128			
140	0.11	3.25	34.871	37.518			
170	0.09	3.50	34.403	35.400			
200	0.08	3.75	34.835	35.225			
230	0.06	4.00	32.849	33.174			
270	0.05	4.25	32.931	33.091			
325	0.05	4.50	32.855	32.961			
400	0.04	4.75	33.016	33.103			
450	0.03	5.00	32.664	32.719			
Fines	<0.03	> 5	122.819	122.914			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-13[illegible]
Sampling Date: 10/8/10
Analysis Date: 9/24/12

Container wt.: 6.162
Total wt.: 17.845
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.348	47.776			
20	0.85	0.25	43.296	43.528			
25	0.71	0.50	45.756	46.070			
30	0.6	0.75	43.257	43.508			
35	0.5	1.00	41.596	41.841			
40	0.43	1.25	39.698	39.867			
45	0.36	1.50	39.286	39.486			
50	0.3	1.75	39.113	39.292		✓	
60	0.25	2.00	38.366	38.564		✓	
70	0.21	2.25	37.678	37.873		✓	
80	0.18	2.50	36.477	36.741		✓	
100	0.15	2.75	34.425	34.993			
120	0.13	3.00	35.524	37.060			
140	0.11	3.25	34.887	37.099			
170	0.09	3.50	34.803	35.703			
200	0.08	3.75	34.832	35.462			
230	0.06	4.00	32.847	33.500			
270	0.05	4.25	32.932	33.229			
325	0.05	4.50	32.855	33.079			
400	0.04	4.75	33.015	33.197			
450	0.03	5.00	32.663	32.797			
Fines	<0.03	> 5	122.817	122.969			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-138
Sampling Date: 10/8/10
Analysis Date: 9/24/12

Container wt.: 6.162
Total wt.: 19.095
Sample wt.:

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.403	47.251			
20	0.85	0.25	43.301	43.576			
25	0.71	0.50	45.761	46.070			
30	0.6	0.75	43.261	43.504			
35	0.5	1.00	41.601	41.852			
40	0.43	1.25	39.701	39.863			
45	0.36	1.50	39.290	39.466			
50	0.3	1.75	39.115	39.281			
60	0.25	2.00	38.371	38.557		✓	
70	0.21	2.25	37.679	37.866		✓	
80	0.18	2.50	36.476	36.746		✓	
100	0.15	2.75	34.417	35.033		✓	
120	0.13	3.00	35.525	37.527			
140	0.11	3.25	34.894	37.623			
170	0.09	3.50	34.401	36.240			
200	0.08	3.75	34.828	35.584			
230	0.06	4.00	32.850	33.666			
270	0.05	4.25	32.935	33.249			
325	0.05	4.50	32.856	33.111			
400	0.04	4.75	33.016	33.260			
450	0.03	5.00	32.667	32.819			
Fines	<0.03	> 5	122.814	122.938			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-142
Sampling Date: 10/8/10
Analysis Date: 9/24/12

Container wt.: 6.159
Total wt.: 18.259
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.396	47.067			
20	0.85	0.25	43305	43516			
25	0.71	0.50	45.767	46.066			
30	0.6	0.75	43.266	43.476			
35	0.5	1.00	41.597	41.839			
40	0.43	1.25	39.702	38.857		✓	
45	0.36	1.50	39.290	39.469		✓	
50	0.3	1.75	39.117	39.271		✓	
60	0.25	2.00	38.371	38.554		✓	
70	0.21	2.25	37.682	37.853		✓	
80	0.18	2.50	36.483	36.709		✓	
100	0.15	2.75	34.418	35.013		✓	
120	0.13	3.00	35.523	37.556			
140	0.11	3.25	34.890	37.381			
170	0.09	3.50	34.399	35.923			
200	0.08	3.75	34.832	35.480			
230	0.06	4.00	32.851	33670			
270	0.05	4.25	32.934	33.240			
325	0.05	4.50	32.858	33.106			
400	0.04	4.75	33.020	33.248			
450	0.03	5.00	32.669	32.841			
Fines	<0.03	> 5	122.822	123.014			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-146
Sampling Date: 10/8/10
Analysis Date: 9/24/12

Container wt.: 6.160
Total wt.: 21.477
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.396	47.452			
20	0.85	0.25	43.300	43.534			
25	0.71	0.50	45.762	46.054			
30	0.6	0.75	43.259	43.444			
35	0.5	1.00	41.596	41.793			
40	0.43	1.25	39.700	39.833		✓	
45	0.36	1.50	39.287	39.439			
50	0.3	1.75	39.115	39.251		✓	
60	0.25	2.00	38.376	38.535		✓	
70	0.21	2.25	37.688	37.840		✓	
80	0.18	2.50	36.474	36.725		✓	
100	0.15	2.75	34.416	35.241		✓	
120	0.13	3.00	35.534	38.690			
140	0.11	3.25	34.878	38.522			
170	0.09	3.50	34.399	36.323			
200	0.08	3.75	34.536	35.682			
230	0.06	4.00	32.853	33.417			
270	0.05	4.25	32.939	33.261			
325	0.05	4.50	32.866	33.088			
400	0.04	4.75	33.023	33.208			
450	0.03	5.00	32.674	32.795			
Fines	<0.03	> 5	122.829	122.953			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-150
Sampling Date: 10/8/10
Analysis Date: 9/24/12

Container wt.: 6.163
Total wt.: 18.723
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.394	47.202			
20	0.85	0.25	43.301	43.481			
25	0.71	0.50	45.763	46.012			
30	0.6	0.75	43.254	43.431			
35	0.5	1.00	41.598	41.798			
40	0.43	1.25	39.703	39.832			
45	0.36	1.50	39.288	39.447		✓	
50	0.3	1.75	39.114	39.263		✓	
60	0.25	2.00	38.370	38.524		✓	
70	0.21	2.25	37.671	37.828		✓	
80	0.18	2.50	36.475	36.657		✓	
100	0.15	2.75	34.415	34.782		✓	
120	0.13	3.00	35.533	36.866			
140	0.11	3.25	34.877	37.711			
170	0.09	3.50	34.343	36.214			
200	0.08	3.75	34.830	35.852			
230	0.06	4.00	32.850	33.908			
270	0.05	4.25	32.935	33.408			
325	0.05	4.50	32.857	33.176			
400	0.04	4.75	33.019	33.263			
450	0.03	5.00	32.674	32.815			
Fines	<0.03	> 5	122.818	123.041			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-154
Sampling Date: 10/8/10
Analysis Date: 9/24/12

Container wt.: 6.162
Total wt.: 19.744
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.392	47.789			
20	0.85	0.25	43.297	43.567			
25	0.71	0.50	45.761	46.059			
30	0.6	0.75	43.257	43.452			
35	0.5	1.00	41.597	41.821			
40	0.43	1.25	39.702	39.843		✓	
45	0.36	1.50	39.290	39.453		✓	
50	0.3	1.75	39.120	39.254		✓	
60	0.25	2.00	38.370	38.528		✓	
70	0.21	2.25	37.681	37.833		✓	
80	0.18	2.50	36.478	36.673		✓	
100	0.15	2.75	34.418	34.874		✓	
120	0.13	3.00	35.517	37.133		✓	
140	0.11	3.25	34.878	37.967			
170	0.09	3.50	34.393	36.552			
200	0.08	3.75	34.832	35.694			
230	0.06	4.00	32.850	33.663			
270	0.05	4.25	32.936	33.301			
325	0.05	4.50	32.858	33.116			
400	0.04	4.75	33.021	33.219			
450	0.03	5.00	32.670	32.773			
Fines	<0.03	> 5	122.820	122.982			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 09-158
Sampling Date: 10/8/11
Analysis Date: 9/25/12

Container wt.: 6.162
Total wt.: 19.587
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.392	47.161			
20	0.85	0.25	43.293	43.483			
25	0.71	0.50	45.755	46.003			
30	0.6	0.75	43.249	43.425			
35	0.5	1.00	41.590	41.797			
40	0.43	1.25	39.692	39.824		✓	
45	0.36	1.50	39.282	39.440		✓	
50	0.3	1.75	39.112	39.256		✓	
60	0.25	2.00	38.377	38.544		✓	
70	0.21	2.25	37.672	37.848		✓	✓
80	0.18	2.50	36.466	36.728		✓	✓
100	0.15	2.75	34.400	35.404		✓	✓
120	0.13	3.00	35.510	38.271			✓
140	0.11	3.25	34.567	38.259			
170	0.09	3.50	34.391	35.740			
200	0.08	3.75	34.830	35.521			
230	0.06	4.00	32.846	33.488			
270	0.05	4.25	32.931	33.191			
325	0.05	4.50	32.854	33.069			
400	0.04	4.75	33.014	33.161			
450	0.03	5.00	32.665	32.773			
Fines	<0.03	> 5	122.819	122.864			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-162
Sampling Date: 10/8/10
Analysis Date: 9/25/12

Container wt.: C.163
Total wt.: 17.792
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.391	46.684			
20	0.85	0.25	43.296	43.392			
25	0.71	0.50	45.7[illegible]	45.878			
30	0.6	0.75	43.254	43.333			
35	0.5	1.00	41.593	41.686			
40	0.43	1.25	39.695	39.762			
45	0.36	1.50	39.285	39.362		✓	
50	0.3	1.75	39.114	39.182		✓	
60	0.25	2.00	38.368	38.453		✓	
70	0.21	2.25	37.668	37.766		✓	
80	0.18	2.50	36.468	36.651		✓	✓
100	0.15	2.75	34.418	35.405		✓	✓
120	0.13	3.00	35.524	59.[illegible]701			✓
140	0.11	3.25	34.885	38.046			
170	0.09	3.50	34.397	35.405			
200	0.08	3.75	34.829	35.240			
230	0.06	4.00	32.847	33239			
270	0.05	4.25	32.933	33.135			
325	0.05	4.50	32.854	33.025			
400	0.04	4.75	33.013	33.158			
450	0.03	5.00	32.665	32.[illegible]947			
Fines	<0.03	> 5	122.820	122.926			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-166
Sampling Date: 10/8/10
Analysis Date: 9/25/12

Container wt.: 6.167
Total wt.: 17.238
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.387	46.745			
20	0.85	0.25	43.292	43.390			
25	0.71	0.50	45.756	45.883			
30	0.6	0.75	43.252	43.340			
35	0.5	1.00	41.589	41.692			
40	0.43	1.25	39.693	39.755			
45	0.36	1.50	39.281	39.352		✓	
50	0.3	1.75	39.111	39.175		✓	
60	0.25	2.00	38.377	38.440		✓	
70	0.21	2.25	37.668	37.751		✓	
80	0.18	2.50	36.468	36.612		✓	✓
100	0.15	2.75	34.418	35.235		✓	✓
120	0.13	3.00	35.544	38.734			✓
140	0.11	3.25	34.897	37.979			
170	0.09	3.50	34.411	35.587			
200	0.08	3.75	34.827	35.328			
230	0.06	4.00	32.843	33.309			
270	0.05	4.25	32.929	33.117			
325	0.05	4.50	32.853	32.954			
400	0.04	4.75	33.013	33.114			
450	0.03	5.00	32.662	32.717			
Fines	<0.03	> 5	122.826	122.895			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 09-170
Sampling Date: 10/8/10
Analysis Date: 9/25/12

Container wt.: 6.163
Total wt.: 19.050
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.385	47.285			
20	0.85	0.25	43.293	43.440			
25	0.71	0.50	45.756	45.938			
30	0.6	0.75	43.251	43.363			
35	0.5	1.00	41.590	41.712			
40	0.43	1.25	39.692	39.774			
45	0.36	1.50	39.280	39.377		✓	
50	0.3	1.75	39.113	39.199		✓	
60	0.25	2.00	38.368	38.462		✓	
70	0.21	2.25	37.670	37.780		✓	
80	0.18	2.50	36.465	36.643		✓	✓
100	0.15	2.75	34.427	35.162		✓	✓
120	0.13	3.00	35.538	38.812			✓
140	0.11	3.25	34.896	38 209			✓
170	0.09	3.50	34.405	35.818			
200	0.08	3.75	34.828	35.551			
230	0.06	4.00	32.844	33.408			
270	0.05	4.25	32.929	33.164			
325	0.05	4.50	32.852	33.022			
400	0.04	4.75	33.015	33.137			
450	0.03	5.00	32.661	32.737			
Fines	<0.03	> 5	122.820	122.900			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-174
Sampling Date: 10/8/10
Analysis Date: 9/25/12

Container wt.: 6.164
Total wt.: 20.729
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.385	46.775			
20	0.85	0.25	43.240	43.400			
25	0.71	0.50	45.752	45.913			
30	0.6	0.75	43.254	43.361			
35	0.5	1.00	41.591	41.723			
40	0.43	1.25	39.696	39.789			
45	0.36	1.50	39.282	39.387		✓	
50	0.3	1.75	39.111	39.209		✓	
60	0.25	2.00	38.363	38.488		✓	
70	0.21	2.25	37.669	37.793		✓	
80	0.18	2.50	36.467	36.633		✓	✓
100	0.15	2.75	34.420	35.018		✓	✓
120	0.13	3.00	35.519	38.468			✓
140	0.11	3.25	34.879	38.344			✓
170	0.09	3.50	34.403	36.709			✓
200	0.08	3.75	34.829	36.014			
230	0.06	4.00	32.843	33.798			
270	0.05	4.25	32.929	33.361			
325	0.05	4.50	32.853	33.202			
400	0.04	4.75	33.016	33.285			
450	0.03	5.00	32.661	32.846			
Fines	<0.03	> 5	122.822	122.993			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-178
Sampling Date: 10/8/10
Analysis Date: 9/25/12

Container wt.: 6.165
Total wt.: 21.707
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.386	46.846			
20	0.85	0.25	43.291	43.405			
25	0.71	0.50	45.756	45.885			
30	0.6	0.75	43.253	43.3411			
35	0.5	1.00	41.589	41.696			
40	0.43	1.25	39.696	39.760			
45	0.36	1.50	39.282	39.362		✓	
50	0.3	1.75	39.112	39.193		✓	✓
60	0.25	2.00	38.369	38.461		✓	
70	0.21	2.25	37.677	37.777		✓	
80	0.18	2.50	36.470	36.632		✓	✓
100	0.15	2.75	34.418	35.108		✓	✓
120	0.13	3.00	35.523	39.450		✓	✓
140	0.11	3.25	34.885	39.374			✓
170	0.09	3.50	34.400	36.580			✓
200	0.08	3.75	34.831	35.624			
230	0.06	4.00	32.843	33.685			
270	0.05	4.25	32.933	33.283			
325	0.05	4.50	32.855	33.114			
400	0.04	4.75	33.016	33.218			
450	0.03	5.00	32.668	32.789			
Fines	<0.03	> 5	122.821	122.953			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-182
Sampling Date: 10/8/10
Analysis Date: 9/25/12

Container wt.: 6.164
Total wt.: 18.431
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.385	46.859			
20	0.85	0.25	43.292	43.378			
25	0.71	0.50	45.755	45.859			
30	0.6	0.75	43.253	43.331			
35	0.5	1.00	41.591	41.692			
40	0.43	1.25	39.691	39.758		✓	
45	0.36	1.50	39.282	39.356		✓	
50	0.3	1.75	39.111	39.183		✓	
60	0.25	2.00	38.376	38.442		✓	
70	0.21	2.25	37.673	37.758		✓	
80	0.18	2.50	36.468	36.587		✓	✓
100	0.15	2.75	34.421	34.826		✓	✓
120	0.13	3.00	35.524	37.433		✓	✓
140	0.11	3.25	34.886	38.689			✓
170	0.09	3.50	34.467	36.706			✓
200	0.08	3.75	34.833	35.727			✓
230	0.06	4.00	32.845	33.547			
270	0.05	4.25	32.934	33.238			
325	0.05	4.50	32.853	33.076			
400	0.04	4.75	33.015	33.171			
450	0.03	5.00	32.664	32.755			
Fines	<0.03	> 5	122.820	122.923			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-186
Sampling Date: 10/8/10
Analysis Date: 9/25/12

Container wt.: 6.166
Total wt.: 20.595
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.385	47.050			
20	0.85	0.25	43.290	43.413			
25	0.71	0.50	45.753	45.901			
30	0.6	0.75	43.251	43.374			
35	0.5	1.00	41.592	41.724			
40	0.43	1.25	39.691	39.786		✓	
45	0.36	1.50	39.281	39.382		✓	
50	0.3	1.75	39.110	39.200		✓	
60	0.25	2.00	38.369	38.477		✓	
70	0.21	2.25	37.670	37.785		✓	
80	0.18	2.50	36.466	36.626		✓	✓
100	0.15	2.75	34.416	34.868		✓	✓
120	0.13	3.00	35.532	37.827		✓	✓
140	0.11	3.25	34.918	39.320			✓
170	0.09	3.50	34.410	36.676			✓
200	0.08	3.75	34.838	35.766			✓
230	0.06	4.00	32.843	33.834			
270	0.05	4.25	32.933	33.295			
325	0.05	4.50	32.854	33.156			
400	0.04	4.75	33.012	33.246			
450	0.03	5.00	32.665	32.806			
Fines	<0.03	> 5	122.820	122.990			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-190
Sampling Date: 10/8/10
Analysis Date: 9/25/12

Container wt.: 6.167
Total wt.: 20.842
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.384	47.004			
20	0.85	0.25	43.292	43.447			
25	0.71	0.50	45.757	45.953			
30	0.6	0.75	43.252	43.385			
35	0.5	1.00	41.589	41.758			
40	0.43	1.25	39.691	39.804		✓	
45	0.36	1.50	39.280	39.426		✓	
50	0.3	1.75	39.160	39.247		✓	
60	0.25	2.00	38.367	38.527		✓	
70	0.21	2.25	37.673	37.831		✓	
80	0.18	2.50	36.465	36.676		✓	✓
100	0.15	2.75	34.417	35.084		✓	✓
120	0.13	3.00	35.536	38.017		✓	✓
140	0.11	3.25	34.889	38.952			✓
170	0.09	3.50	34.479	36.754			✓
200	0.08	3.75	34.844	35.772			✓
230	0.06	4.00	32.848	33.658			
270	0.05	4.25	32.938	33.248			
325	0.05	4.50	32.858	33.106			
400	0.04	4.75	33.020	33.211			
450	0.03	5.00	32.667	32.803			
Fines	<0.03	> 5	122.821	122.973			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-194
Sampling Date: 10/8/10
Analysis Date: 9/25/12

Container wt.: 6.165
Total wt.: 20.158
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.384	47.019			
20	0.85	0.25	43.281	43.418			
25	0.71	0.50	45.756	45.936			
30	0.6	0.75	43.254	43.384			
35	0.5	1.00	41.588	41.749			
40	0.43	1.25	39.691	39.794			
45	0.36	1.50	39.282	39.402		✓	
50	0.3	1.75	39.115	39.225		✓	
60	0.25	2.00	38.367	38.496		✓	
70	0.21	2.25	37.674	37.802		✓	
80	0.18	2.50	36.469	36.668		✓	✓
100	0.15	2.75	34.418	35.299		✓	✓
120	0.13	3.00	35.537	39.041		✓	✓
140	0.11	3.25	34.896	38.445			✓
170	0.09	3.50	34.408	36.054			✓
200	0.08	3.75	34.832	35.595			
230	0.06	4.00	32.845	33.506			
270	0.05	4.25	32.931	33.222			
325	0.05	4.50	32.853	33.062			
400	0.04	4.75	33.0014	33.181			
450	0.03	5.00	32.664	32.765			
Fines	<0.03	> 5	122.819	122.927			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-198
Sampling Date: 10/8/10
Analysis Date: 9/25/12

Container wt.: 6.166
Total wt.: 19.282
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.387	46.654			
20	0.85	0.25	43.288	43.357			
25	0.71	0.50	45.755	45.845			
30	0.6	0.75	43.256	43.326			
35	0.5	1.00	41.593	41.671			
40	0.43	1.25	39.692	39.743			
45	0.36	1.50	39.281	39.342		✓	
50	0.3	1.75	39.110	39.162		✓	
60	0.25	2.00	38.362	38.430		✓	
70	0.21	2.25	37.672	37.749		✓	
80	0.18	2.50	36.466	36.623		✓	✓
100	0.15	2.75	34.414	35.486		✓	✓
120	0.13	3.00	35.526	39.984			✓
140	0.11	3.25	34.879	38.781			✓
170	0.09	3.50	34.407	35.714			✓
200	0.08	3.75	34.829	35.300			✓
230	0.06	4.00	32.843	33.219			
270	0.05	4.25	32.931	33.074			
325	0.05	4.50	32.850	32.941			
400	0.04	4.75	33.014	33.087			
450	0.03	5.00	32.668	32.710			
Fines	<0.03	> 5	122.819	122.878			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-202
Sampling Date: 10/8/10
Analysis Date: 9/25/12

Container wt.: 6.164
Total wt.: 20.403
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.385	46.726			
20	0.85	0.25	43.288	43.370			
25	0.71	0.50	45.750	45.851			
30	0.6	0.75	43.252	43.322			
35	0.5	1.00	41.586	41.679			
40	0.43	1.25	39.693	39.741			
45	0.36	1.50	39.279	39.351		✓	
50	0.3	1.75	39.106	39.175		✓	
60	0.25	2.00	38.361	38.438		✓	
70	0.21	2.25	37.671	37.770		✓	
80	0.18	2.50	36.468	36.648		✓	✓
100	0.15	2.75	34.411	35.553		✓	✓
120	0.13	3.00	35.532	40.324			✓
140	0.11	3.25	34.896	39.136			✓
170	0.09	3.50	34.413	35.904			✓
200	0.08	3.75	34.835	35.410			✓
230	0.06	4.00	32.843	33.222			
270	0.05	4.25	32.930	33.060			
325	0.05	4.50	32.850	32.927			
400	0.04	4.75	33.012	33.073			
450	0.03	5.00	32.662	32.697			
Fines	<0.03	> 5	122.820	122.874			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 09-206
Sampling Date: 10/8/12
Analysis Date: 9/25/12

Container wt.: 6.165
Total wt.: 21.088
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.382	46.620			
20	0.85	0.25	43.287	43.332			
25	0.71	0.50	45.754	45.822			
30	0.6	0.75	43.250	43.307			
35	0.5	1.00	41.587	41.649			
40	0.43	1.25	39.690	39.723			
45	0.36	1.50	39.280	39.323			
50	0.3	1.75	39.106	39.157		✓	
60	0.25	2.00	38.366	38.428		✓	
70	0.21	2.25	37.674	37.758		✓	
80	0.18	2.50	36.467	36.620		✓	
100	0.15	2.75	34.480	35.408		✓	✓
120	0.13	3.00	35.546	40.038			✓
140	0.11	3.25	34.905	34.807			✓
170	0.09	3.50	34.420	34.097			✓
200	0.08	3.75	34.839	35.630			✓
230	0.06	4.00	32.843	33.443			
270	0.05	4.25	32.926	33.138			
325	0.05	4.50	32.850	32.979			
400	0.04	4.75	33.012	33.101			
450	0.03	5.00	32.661	32.701			
Fines	<0.03	> 5	122.819	122.872			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-210
Sampling Date: 10/5/10
Analysis Date: 9/25/12

Container wt.: 6.165
Total wt.: 21.486
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.384	46.583			
20	0.85	0.25	43.287	43.336			
25	0.71	0.50	45.752	45.810			
30	0.6	0.75	43.251	43.298			
35	0.5	1.00	41.589	41.635			
40	0.43	1.25	39.688	39.726			
45	0.36	1.50	39.279	39.321			
50	0.3	1.75	39.110	39.150		✓	
60	0.25	2.00	38.360	38.411		✓	
70	0.21	2.25	37.672	37.732		✓	
80	0.18	2.50	36.465	36.560		✓	
100	0.15	2.75	34.419	34.858		✓	✓
120	0.13	3.00	35.546	38.665			✓
140	0.11	3.25	34.890	39.508			✓
170	0.09	3.50	34.412	37.599			✓
200	0.08	3.75	34.841	35.934			
230	0.06	4.00	32.843	33.878			
270	0.05	4.25	32.926	33.376			
325	0.05	4.50	32.850	33.112			
400	0.04	4.75	33.011	33.194			
450	0.03	5.00	32.658	32.746			
Fines	<0.03	> 5	122.828	122.915			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C9-214
Sampling Date: 10/8/16
Analysis Date: 9/24/12

Container wt.: 6.163
Total wt.: 20.039
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
18	1	0.00	46.381	46.716			
20	0.85	0.25	43.286	43.371			
25	0.71	0.50	45.748	45.852			
30	0.6	0.75	43.251	43.353			
35	0.5	1.00	41.588	41.700			
40	0.43	1.25	39.691	39.763			
45	0.36	1.50	39.278	39.368		✓	
50	0.3	1.75	39.105	39.189		✓	
60	0.25	2.00	38.360	38.464		✓	
70	0.21	2.25	37.665	37.778		✓	
80	0.18	2.50	36.463	36.648		✓	
100	0.15	2.75	34.413	35.151		✓	✓
120	0.13	3.00	35.544	38.272		✓	✓
140	0.11	3.25	34.891	38.979			✓
170	0.09	3.50	34.908	36.369			✓
200	0.08	3.75	34.841	35.824			
230	0.06	4.00	32.844	33.755			
270	0.05	4.25	32.931	33.793			
325	0.05	4.50	32.853	33.121			
400	0.04	4.75	33.013	33.200			
450	0.03	5.00	32.660	32.755			
Fines	<0.03	> 5	122.820	122.930			

Vibracore C10

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C10-002
Sampling Date: 10/8/10
Analysis Date: 1/14/13

Container wt.: 6.154
Total wt.: 16.806
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.626	49.626			
18	1	0.00	46.445	46.465			
20	0.85	0.25	43.347	43.359			
25	0.71	0.50	45.775	45.795			
30	0.6	0.75	43.290	43.307			
35	0.5	1.00	41.662	41.674			
40	0.43	1.25	39.749	39.762			
45	0.36	1.50	39.119	39.138			
50	0.3	1.75	39.235	39.279			
60	0.25	2.00	38.541	38.739			
70	0.21	2.25	37.813	38.208			
80	0.18	2.50	36.582	37.468			
100	0.15	2.75	34.503	36.379			
120	0.13	3.00	35.524	38.302			
140	0.11	3.25	34.817	36.981			
170	0.09	3.50	34.357	35.350			
200	0.08	3.75	33.121	33.543			
230	0.06	4.00	32.889	33.203			
270	0.05	4.25	32.959	33.118			
325	0.05	4.50	32.967	33.055			
400	0.04	4.75	33.100	33.144			
450	0.03	5.00	32.762	32.798			
Fines	<0.03	> 5	122.826	122.845			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C10-006
Sampling Date: 10/8/10
Analysis Date: 1/14/13

Container wt.: 6.158
Total wt.: 20.881
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.620	49.651			
18	1	0.00	46.437	46.501			
20	0.85	0.25	43.342	43.360			
25	0.71	0.50	45.773	45.795			
30	0.6	0.75	43.285	43.300			
35	0.5	1.00	41.651	41.676			
40	0.43	1.25	39.741	39.763			
45	0.36	1.50	39.108	39.153			
50	0.3	1.75	39.220	39.452			
60	0.25	2.00	38.538	39.338			
70	0.21	2.25	37.786	38.723			
80	0.18	2.50	36.560	37.957			
100	0.15	2.75	34.494	36.723			
120	0.13	3.00	35.524	38.856			
140	0.11	3.25	34.822	37.688			
170	0.09	3.50	34.358	35.639			
200	0.08	3.75	33.118	33.596			
230	0.06	4.00	32.887	33.294			
270	0.05	4.25	32.961	33.175			
325	0.05	4.50	32.964	33.091			
400	0.04	4.75	33.096	33.165			
450	0.03	5.00	32.765	32.804			
Fines	<0.03	> 5	122.825	122.849			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C10-010
Sampling Date: 10/8/10
Analysis Date: 1/14/13

Container wt.: 6.156
Total wt.: 18.420
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.624	49.629			
18	1	0.00	46.442	46.535			
20	0.85	0.25	43.345	43.374			
25	0.71	0.50	45.778	45.801			
30	0.6	0.75	43.287	43.307			
35	0.5	1.00	41.655	41.684			
40	0.43	1.25	39.742	39.762			
45	0.36	1.50	39.110	39.149			
50	0.3	1.75	39.222	39.398			
60	0.25	2.00	38.543	39.153			
70	0.21	2.25	37.781	38.507			
80	0.18	2.50	36.576	37.598			
100	0.15	2.75	34.497	36.191			
120	0.13	3.00	35.522	38.414			
140	0.11	3.25	34.824	37.240			
170	0.09	3.50	34.360	35.447			
200	0.08	3.75	33.119	33.554			
230	0.06	4.00	32.888	33.269			
270	0.05	4.25	32.958	33.181			
325	0.05	4.50	32.963	33.098			
400	0.04	4.75	33.098	33.172			
450	0.03	5.00	32.767	32.819			
Fines	<0.03	> 5	122.822	122.841			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C10-014
Sampling Date: 10/8/10
Analysis Date: 1/14/13

Container wt.: 6.156
Total wt.: 18.987
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.620	49.652			
18	1	0.00	46.438	46.573			
20	0.85	0.25	43.344	43.360			
25	0.71	0.50	45.773	45.801			
30	0.6	0.75	43.285	43.297			
35	0.5	1.00	41.655	41.678			
40	0.43	1.25	39.744	39.761			
45	0.36	1.50	39.108	39.147			
50	0.3	1.75	39.219	39.397			
60	0.25	2.00	38.524	39.201			
70	0.21	2.25	37.774	38.539			
80	0.18	2.50	36.569	37.637			
100	0.15	2.75	34.493	36.112			
120	0.13	3.00	35.525	38.344			
140	0.11	3.25	34.822	37.470			
170	0.09	3.50	34.358	35.626			
200	0.08	3.75	33.117	33.594			
230	0.06	4.00	32.885	33.336			
270	0.05	4.25	32.964	33.192			
325	0.05	4.50	32.975	33.133			
400	0.04	4.75	33.096	33.179			
450	0.03	5.00	32.765	32.828			
Fines	<0.03	> 5	122.822	122.854			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C10-018
Sampling Date: 10/8/10
Analysis Date: 1/14/13

Container wt.: 6.155
Total wt.: 18.461
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	19.616	19.645			
18	1	0.00	46.437	46.622			
20	0.85	0.25	43.341	43.408			
25	0.71	0.50	45.773	45.861			
30	0.6	0.75	43.281	43.336			
35	0.5	1.00	41.650	41.740			
40	0.43	1.25	39.742	39.802			
45	0.36	1.50	39.104	39.191			
50	0.3	1.75	39.216	39.384			
60	0.25	2.00	38.513	38.905			
70	0.21	2.25	37.772	38.247			
80	0.18	2.50	36.561	37.349			
100	0.15	2.75	34.490	35.928			
120	0.13	3.00	35.516	38.205			
140	0.11	3.25	34.830	37.330			
170	0.09	3.50	34.367	35.630			
200	0.08	3.75	33.119	33.651			
230	0.06	4.00	32.886	33.420			
270	0.05	4.25	32.963	33.322			
325	0.05	4.50	32.978	33.201			
400	0.04	4.75	33.095	33.206			
450	0.03	5.00	32.764	32.851			
Fines	<0.03	> 5	122.826	122.882			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C10-C22
Sampling Date: 10/8/10
Analysis Date: 8/16/12

Container wt.: 6.155
Total wt.: 17.242
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.619	49.672			
18	1	0.00	46.438	46.688			
20	0.85	0.25	43.313	43.446			
25	0.71	0.50	45.774	45.921			
30	0.6	0.75	43.285	43.377			
35	0.5	1.00	41.653	41.787		✓	
40	0.43	1.25	39.742	39.836		✓	
45	0.36	1.50	39.104	39.226		✓	
50	0.3	1.75	39.219	39.359		✓	
60	0.25	2.00	38.523	38.765		✓	
70	0.21	2.25	37.779	38.133		✓	
80	0.18	2.50	36.559	37.427		✓	✓
100	0.15	2.75	34.496	36.066			✓
120	0.13	3.00	35.535	38.126			
140	0.11	3.25	34.834	36.726			
170	0.09	3.50	34.369	35.268			
200	0.08	3.75	33.121	33.532			
230	0.06	4.00	32.889	33.320			
270	0.05	4.25	32.940	33.122			
325	0.05	4.50	32.864	33.045			
400	0.04	4.75	33.037	33.190			
450	0.03	5.00	32.673	32.751			
Fines	<0.03	> 5	122.823	122.919			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C10-026
Sampling Date: 10/8/10
Analysis Date: 8/16/12

Container wt.: 6.156
Total wt.: 20.519
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.620	49.641			
18	1	0.00	46.440	46.587			
20	0.85	0.25	43.346	43.410			
25	0.71	0.50	45.775	45.869			
30	0.6	0.75	43.284	43.356			
35	0.5	1.00	41.651	41.744		✓	
40	0.43	1.25	39.744	39.817		✓	
45	0.36	1.50	39.105	39.207		✓	
50	0.3	1.75	39.219	39.390		✓	
60	0.25	2.00	38.516	38.958		✓	✓
70	0.21	2.25	37.777	38.295		✓	✓
80	0.18	2.50	36.564	37.545		✓	✓
100	0.15	2.75	34.500	36.449		✓	✓
120	0.13	3.00	35.548	38.852			
140	0.11	3.25	34.833	37.638			
170	0.09	3.50	34.368	35.589			
200	0.08	3.75	33.120	33.744			
230	0.06	4.00	32.887	33.536			
270	0.05	4.25	32.943	33.161			
325	0.05	4.50	32.867	33.104			
400	0.04	4.75	33.040	33.271			
450	0.03	5.00	32.674	32.789			
Fines	<0.03	> 5	122.825	122.978			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C10-030
Sampling Date: 10/8/10
Analysis Date: 8/16/12

Container wt.: 6.158
Total wt.: 17.554
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.629	49.661			
18	1	0.00	46.440	46.750			
20	0.85	0.25	43.346	43.486			
25	0.71	0.50	45.776	45.961			
30	0.6	0.75	43.284	43.427			
35	0.5	1.00	41.653	41.852		✓	
40	0.43	1.25	39.746	39.886		✓	
45	0.36	1.50	39.104	39.280		✓	
50	0.3	1.75	39.216	39.411		✓	
60	0.25	2.00	38.518	38.839		✓	✓
70	0.21	2.25	37.777	38.160		✓	✓
80	0.18	2.50	36.566	37.368		✓	✓
100	0.15	2.75	34.506	35.828			✓
120	0.13	3.00	35.528	37.782			
140	0.11	3.25	34.833	36.743			
170	0.09	3.50	34.369	35.293			
200	0.08	3.75	33.124	33.599			
230	0.06	4.00	32.890	35.468			
270	0.05	4.25	32.940	33.122			
325	0.05	4.50	32.869	33.060			
400	0.04	4.75	33.041	33.224			
450	0.03	5.00	32.676	32.771			
Fines	<0.03	> 5	122.824	122.975			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C10-034
Sampling Date: 10/8/10
Analysis Date: 8/16/12

Container wt.: 6.155
Total wt.: 17.780
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.620	49.662			
18	1	0.00	46.438	46.814			
20	0.85	0.25	43.347	43.470			
25	0.71	0.50	45.776	45.958			
30	0.6	0.75	43.288	43.446			
35	0.5	1.00	41.653	41.859			
40	0.43	1.25	39.747	39.883		✓	
45	0.36	1.50	39.105	39.280		✓	
50	0.3	1.75	39.213	39.397		✓	
60	0.25	2.00	38.508	38.784		✓	✓
70	0.21	2.25	37.780	38.128		✓	✓
80	0.18	2.50	36.556	37.336			✓
100	0.15	2.75	34.498	35.857			✓
120	0.13	3.00	35.544	37.752			
140	0.11	3.25	34.836	36.810			
170	0.09	3.50	34.368	35.311			
200	0.08	3.75	33.119	33.610			
230	0.06	4.00	32.884	33.448			
270	0.05	4.25	32.943	33.159			
325	0.05	4.50	32.867	33.079			
400	0.04	4.75	33.041	33.245			
450	0.03	5.00	32.675	32.783			
Fines	<0.03	> 5	122.825	122.997			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C10-038
Sampling Date: 10/8/10
Analysis Date: 8/16/12

Container wt.: 6.154
Total wt.: 18.916
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.623	49.620			
18	1	0.00	46.441	46.665			
20	0.85	0.25	43.348	43.454			
25	0.71	0.50	45.777	45.927			
30	0.6	0.75	43.293	43.425			
35	0.5	1.00	41.657	41.851		✓	
40	0.43	1.25	39.746	39.869		✓	
45	0.36	1.50	39.104	39.260		✓	
50	0.3	1.75	39.213	39.362		✓	
60	0.25	2.00	38.508	38.707		✓	
70	0.21	2.25	37.782	38.069		✓	✓
80	0.18	2.50	36.556	37.464		✓	✓
100	0.15	2.75	34.497	36.434		✓	✓
120	0.13	3.00	35.532	38.305			✓
140	0.11	3.25	34.830	37.148			✓
170	0.09	3.50	34.365	35.409			✓
200	0.08	3.75	33.119	33.694			
230	0.06	4.00	32.885	33.391			
270	0.05	4.25	32.940	33.119			
325	0.05	4.50	32.867	33.069			
400	0.04	4.75	33.051	33.239			
450	0.03	5.00	32.680	32.771			
Fines	<0.03	> 5	122.823	122.993			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C10-042
Sampling Date: 10/8/10
Analysis Date: 8/16/12

Container wt.: 6.156
Total wt.: 18.981
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.621	49.618			
18	1	0.00	46.441	46.689			
20	0.85	0.25	43.346	43.476			
25	0.71	0.50	45.779	45.938			
30	0.6	0.75	43.284	43.417			
35	0.5	1.00	41.654	41.850			
40	0.43	1.25	39.747	39.887		✓	
45	0.36	1.50	39.104	39.272		✓	
50	0.3	1.75	39.217	39.381		✓	
60	0.25	2.00	38.499	38.731		✓	
70	0.21	2.25	37.782	38.081		✓	
80	0.18	2.50	36.556	37.415		✓	✓
100	0.15	2.75	34.502	36.337		✓	✓
120	0.13	3.00	35.523	38.581		·	✓
140	0.11	3.25	34.847	37.021			
170	0.09	3.50	34.369	35.376			
200	0.08	3.75	33.120	33.633			
230	0.06	4.00	32,884	33.412			
270	0.05	4.25	32.940	33.128			
325	0.05	4.50	32.865	33.055			
400	0.04	4.75	33.052	33.236			
450	0.03	5.00	32.682	32.776			
Fines	<0.03	> 5	122.824	123.007			

Vibracore C11

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CII-OC2
Sampling Date: 10/9/10
Analysis Date: 4/18/11

Container wt.: 6.151
Total wt.: 16.198
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.273	46.324	small clumps shell frag	
20	43.163	43.174		
25	45.557	45.567		
30	~~43.109~~ ~~36.273~~	43.134		
35	41.477	41.520		
40	39.549	39.628		
45	38.667	38.992		
50	38.946	39.651	mica little	
60	37.718	39.485	" "	
70	35.854	38.064	— —	
80	36.272	38.192		✓
100	34.216	35.448	mica	✓
120	35.283	36.185	"	✓
140	34.620	35.130	—	✓
170	34.187	34.341		✓
200	32.954	33.007		✓
230	32.726	32.768		✓
Fines Collector 1	21.264			
Fines Collector 2	21.261			
Fines Collector 3	21.264	21.315		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-006
Sampling Date: 10/9/10
Analysis Date: 4/18/11

Container wt.: 6.153
Total wt.: 16.701
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.270	46.393	some clumps sand shell frags	
20	43.165	43.176		
25	45.560	45.583		
30	43.117	43.152		
35	41.482	41.554		
40	39.557	39.674		
45	38.675	38.998	mica little	
50	38.869	39.631	" —	
60	37.738	39.440	" little	
70	35.872	37.938	" "	
80	36.293	38.190	—	✓
100	34.229	35.576	mica little	✓
120	35.290	36.406	—	✓
140	34.630	35.294		✓
170	34.195	34.390		✓
200	32.959	33.035		✓
230	32.726	32.780		✓
Fines Collector 1	21.264			
Fines Collector 2	21.258			
Fines Collector 3	21.265	21.327		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-010
Sampling Date: 10/9/10
Analysis Date: 4/18/11

Container wt.: 6.152
Total wt.: 19.246
Sample wt.:

Observations:

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.270	46.400	clumps	
20	43.163	43.182		
25	45.561	45.588		
30	43.120	43.155		
35	41.483	41.556		
40	39.558	39.686		
45	38.679	39.101		
50	38.974	39.827		
60	37.749	39.926		
70	35.881	38.460	mica	
80	36.316	38.571	" little	
100	34.240	35.906	—	✓
120	35.311	36.618	mica little	✓
140	34.632	35.431	—	✓
170	34.200	34.465		✓
200	32.962	33.055		✓
230	32.731	32.808		
Fines Collector 1	21.264			
Fines Collector 2	21.260			
Fines Collector 3	21.261	21.373		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-014
Sampling Date: 10/9/10
Analysis Date: 4/18/11

Container wt.: 6.153
Total wt.: 21.737
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.274	46.321	always	
20	43.166	43.178		
25	45.564	45.577		
30	43.117	43.148		
35	41.480	41.561		
40	39.552	39.705	mica little	
45	38.678	39.146	—	
50	38.965	39.454	mica S. small A. amt	
60	37.732	40.222	M-SA	
70	35.880	38.859	" "	
80	36.313	39.083	" "	✓
100	34.240	36.133	" "	✓
120	35.302	37.030	" "	✓
140	34.632	35.808	" "	✓
170	34.299	34.607	—	✓
200	32.960	33.100		✓
230	32.731	32.875		✓
Fines Collector 1	21.261			
Fines Collector 2	21.265			
Fines Collector 3	21.264	21.409		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-018
Sampling Date: 10/9/10
Analysis Date: 4/18/11

Container wt.: 6.149
Total wt.: 18.906
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.280	46.296	clumps	
20	43.167	43.174		
25	45.566	45.583		
30	43.120	43.138		
35	41.486	41.523		
40	39.558	39.623		
45	38.678	38.721		
50	38.981	39.608		
60	37.745	39.768		
70	35.803	38.744		
80	36.303	38.745		
100	34.242	35.938	M SA	✓
120	35.301	36.678	" "	✓
140	34.636	35.505	" "	✓
170	34.198	34.485		✓
200	32.961	33.059		✓
230	32.727	32.803		✓
Fines Collector 1	21.265			
Fines Collector 2	21.264			
Fines Collector 3	21.262	21.348		
Sum total				

M: mica
SA small amount

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI1-022
Sampling Date: 10/9/10
Analysis Date: 4/18/11

Container wt.: 6.154
Total wt.: 17.611
Sample wt.:

Observations: clean

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.285	46.286		
20	43.166	43.168		
25	45.568	45.570		
30	43.122	43.128		
35	41.487	41.497		
40	39.559	39.576		
45	38.678	38.785		
50	38.975	39.407	M SA	
60	37.753	39.536	" "	
70	35.904	38.880	" "	
80	36.307	38.984	—	✓
100	34.253	35.810		✓
120	35.314	36.345		✓
140	34.634	35.199		✓
170	34.197	34.361		✓
200	32.960	33.008		
230	32.730	32.756		
Fines Collector 1	21.259			
Fines Collector 2	21.258			
Fines Collector 3	21.264	21.302		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-026
Sampling Date: 10/9/10
Analysis Date: 4/18/11

Container wt.: 6.150
Total wt.: 18.727
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.281	46.469	clumps	
20	43.165	43.173		
25	45.566	45.584		
30	43.123	43.133		
35	41.488	41.506		
40	39.559	39.588		
45	38.677	38.797		
50	38.976	39.348	M SA	
60	37.764	39.354	—	
70	35.915	38.473	M SA	
80	36.326	38.644	" "	✓
100	34.257	35.970	" "	✓
120	35.313	37.020	" "	✓
140	34.639	35.805	—	✓
170	34.201	34.570		✓
200	32.963	33.082		✓
230	32.733	32.823		✓
Fines Collector 1	21.268			
Fines Collector 2	21.265			
Fines Collector 3	21.262	21.415		✓
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CII-030
Sampling Date: 10/9/10
Analysis Date: 1/10/13

Container wt.: 6.153
Total wt.: 22.677
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.410	49.658			
18	1	0.00	46.284	46.590			
20	0.85	0.25	43.162	43.223			
25	0.71	0.50	45.569	45.611			
30	0.6	0.75	43.121	43.152			
35	0.5	1.00	41.487	41.546			
40	0.43	1.25	39.558	39.616			
45	0.36	1.50	38.680	38.865			
50	0.3	1.75	38.980	39.443			
60	0.25	2.00	37.767	39.318			
70	0.21	2.25	35.919	38.209			
80	0.18	2.50	36.323	38.796			
100	0.15	2.75	34.258	36.760			
120	0.13	3.00	35.328	38.293			
140	0.11	3.25	34.642	36.597			
170	0.09	3.50	34.202	34.809			
200	0.08	3.75	32.962	33.159			
230	0.06	4.00	32.731	32.888			
270	0.05	4.25	32.968	33.116			
325	0.05	4.50	32.988	33.124			
400	0.04	4.75	33.100	33.199			
450	0.03	5.00	32.763	32.848			
Fines	<0.03	> 5	122.824	132.901			

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-034
Sampling Date: 10/9/10
Analysis Date: 4/18/11

Container wt.: 6.153
Total wt.: 22.617
Sample wt.:

Observations: floury

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.284	46.838	clumps	
20	43.162	43.223		
25	45.569	45.601		
30	43.121	43.152		
35	41.487	41.546		
40	39.558	39.616		
45	38.680	38.865	M = A	
50	38.980	39.443	" "	
60	37.768	39.318	" "	
70	35.919	38.209	" "	
80	36.323	38.796	"	✓
100	34.258	36.760	"	✓
120	35.328	38.293	—	
140	34.642	36.597		✓
170	34.292	34.809		✓
200	32.962	33.159		✓
230	32.731	32.888		✓
Fines Collector 1	21.271			
Fines Collector 2	21.267			
Fines Collector 3	21.273	21.596		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI1-038
Sampling Date: 10/9/10
Analysis Date: 4/19/11

Container wt.: 6.151
Total wt.: 20.009
Sample wt.:

Observations: flocs

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.289	46.427	clumps	
20	43.171	43.186		
25	45.573	45.595		
30	43.132	43.181		
35	41.498	41.543		
40	39.565	39.630		
45	38.680	38.858	M SA	
50	38.991	39.406	" "	
60	37.794	38.995	" "	
70	35.960	37.707	" "	
80	36.346	38.629	M MA	✓
100	34.280	36.879	" "	
120	35.363	38.154	" "	
140	34.651	36.164	" SA	
170	34.208	34.669	" "	✓
200	32.969	33.091	—	✓
230	32.739	32.829		
Fines Collector 1	21.273			
Fines Collector 2	21.273			
Fines Collector 3	21.280	21.423		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-042
Sampling Date: 10/9/10
Analysis Date: 4/19/11

Container wt.: 6.154
Total wt.: 21.062
Sample wt.:

Observations: clean

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.289	46.310	Med shell frag	
20	43.172	43.175		
25	45.577	45.581		
30	43.153	43.161		
35	41.509	41.525		
40	39.570	39.609	MSA	
45	38.692	38.858	—	
50	38.992	39.468	MSA	
60	37.780	39.353	" "	
70	35.923	38.011	" MA	
80	36.338	38.680	" "	✓
100	34.287	36.726	" SA	✓
120	34.348	38.100	" "	✓
140	34.655	36.515	" "	
170	34.213	34.796	—	✓
200	32.976	33.143		✓
230	32.744	32.839		✓
Fines Collector 1	21.280			
Fines Collector 2	21.268			
Fines Collector 3	21.270	21.389		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-046
Sampling Date: 10/9/10
Analysis Date: 4/19/11

Container wt.: 6.151
Total wt.: 19.001
Sample wt.:

Observations: Clean

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.289	46.306		
20	43.172	43.183		
25	45.574	45.583		
30	43.148	43.164		
35	41.507	41.518		
40	39.563	39.578	MSA	
45	38.685	38.728	" MA	
50	38.987	39.114	" "	
60	37.771	38.286	" LA	
70	35.928	36.801	" "	
80	36.318	36.772	" MA	
100	34.257	35.914	" SA	
120	35.356	38.760	—	
140	34.645	37.724		✓
170	34.206	35.218		✓
200	32.966	33.226		✓
230	32.736	32.825		✓
Fines Collector 1	21.272			
Fines Collector 2	21.270			
Fines Collector 3	21.270	21.383		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI1-050
Sampling Date: 10/9/10
Analysis Date: 4/19/11

Container wt.: 6.149
Total wt.: 23.946
Sample wt.:

Observations: flora

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.296	46.323		
20	43.176	43.193		
25	45.576	45.595		
30	43.169	43.214	1 large mica flake	
35	41.508	41.525	M SA	
40	39.568	39.577	—	
45	38.686	38.706	M MA	
50	38.982	39.032	" LA	
60	37.758	37.988	" LA	
70	35.909	36.260	" "	
80	36.321	37.161	" "	
100	34.276	37.387	" "	
120	35.373	42.439	" SA	
140	34.675	38.767	" "	
170	34.216	35.609	—	
200	32.969	33.211		✓
230	32.736	32.853		✓
Fines Collector 1	21.269			
Fines Collector 2	21.271			
Fines Collector 3	21.269	21.363		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-054
Sampling Date: 10/9/10
Analysis Date: 4/19/11

Container wt.: 6.148
Total wt.: 18.128
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.309	46.321		
20	43.183	43.185		
25	45.580	45.584		
30	43.179	43.194		
35	41.516	41.518	M SA	
40	39.573	89.575	—	
45	38.687	38.688		
50	38.978	38.984	M MA	
60	37.748	37.769	" LA	
70	35.896	35.944	" "	
80	36.316	36.510	" "	
100	34.261	35.250	" "	
120	35.343	39.179	" MA	
140	34.669	39.200	—	
170	34.215	35.874		
200	32.974	33.303		✓
230	32.739	32.862		✓
Fines Collector 1	21.277			
Fines Collector 2	21.268			
Fines Collector 3	21.264	21.380		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-058
Sampling Date: 10/9/10
Analysis Date: 4/19/11

Container wt.: 6.147
Total wt.: 18.255
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.315	46.314		
20	43.183	43.181		
25	45.581	45.581		
30	43.160	43.167	1 large mica flake	
35	41.521	41.520	—	
40	39.572	39.571	MS	
45	38.687	38695	MM	
50	38.977	38.985	ML	
60	37.745	37.763	ML	
70	35.894	35.933	ML	
80	36.303	36.438	ML	
100	34.256	35.010	ML	
120	35.341	38.829	MS	
140	34.680	39.505	—	
170	34.214	36.277		
200	32.969	33.393		✓
230	32.736	32.860		✓
Fines Collector 1	21.269			
Fines Collector 2	21.263			
Fines Collector 3	21.264	21.440		
Sum total				

MS - mica small amt
MM - mica medium amt
ML - mica large amt

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-062
Sampling Date: 10/9/10
Analysis Date: 4/19/11

Container wt.: 6.151
Total wt.: 20.371
Sample wt.:

Observations: flora

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.309	46.325		
20	43.179	43.186		
25	45.577	45.591		
30	43.147	43.176		
35	41.516	41.526		
40	39.568	39.573		
45	38.684	38.692	MS	
50	38.973	38.984	MS	
60	37.739	37.766	ML	
70	35.884	35.938	ML	
80	36.300	36.480	ML	
100	34.256	35.059	ML	
120	35.373	40.133	MS	
140	34.679	40.337	—	
170	34.220	36.111		
200	32.967	33.366		✓
230	32.733	32.903		✓
Fines Collector 1	21.268			
Fines Collector 2	21.267			
Fines Collector 3	21.265	21.428		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-066 Container wt.: 6.150
Sampling Date: 10/9/10 Total wt.: 19.697
Analysis Date: 4/19/11 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.323	46.350	clump	
20	43.188	43.189		
25	44.585	44.590		
30	43.158	43.161		
35	41.523	41.528	MS	
40	39.569	39.574	MS	
45	38.687	38.696	"	
50	38.977	38.995	MC	
60	37.741	37.794	"	
70	35.885	36.047	" +	
80	36.300	36.813	"	
100	34.253	36.018	"	
120	35.349	40.112	MM	
140	34.689	38.908	—	
170	34.234	35.719		
200	32.971	33.215		
230	32.736	32.818		✓
Fines Collector 1	21.272			
Fines Collector 2	21.264			
Fines Collector 3	21.265	21.365		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-070
Sampling Date: 10/9/10
Analysis Date: 4/19/11

Container wt.: 6.150
Total wt.: 18.558
Sample wt.:

Observations:

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.316	46.348		
20	43.184	43.191		
25	45.580	45.594		
30	43.149	43.158		
35	41.521	41.525	MS	
40	39.569	39.573	"	
45	38.682	38.697	MM	
50	38.972	38.992	"	
60	37.736	37.804	ML	
70	35.881	36.115	" +	
80	36.296	36.984	"	
100	34.270	36.056	"	
120	35.358	39.424	MS	
140	34.700	38.509	—	
170	34.223	35.415		
200	32.970	33.221		✓
230	32.734	32.816		✓
Fines Collector 1	21.268			
Fines Collector 2	21.266			
Fines Collector 3	21.269	21.368		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-074
Sampling Date: 10/9/10
Analysis Date: 4/19/11

Container wt.: 6.150
Total wt.: 18.021
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.320	46.372	clumps + Al	
20	43.184	43.191		
25	45.584	45.587		
30	43.148	43.165	Plagioclase flake	
35	41.520	41.531	MS	
40	39.569	39.577	"	
45	38.684	38.700	MM	
50	38.971	38.994	ML	
60	37.735	37.817	" +	
70	35.882	36.142	" "	
80	36.303	36.988	"	
100	34.276	35.958	"	
120	35.359	39.319	MS	
140	34.695	38.245	—	
170	34.224	35.359		
200	32.972	33.183		✓
230	32.735	32.812		✓
Fines Collector 1	21.269			
Fines Collector 2	21.267			
Fines Collector 3	21.269	21.354		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-078
Sampling Date: 10/9/11
Analysis Date: 4/19/11

Container wt.: 6.149
Total wt.: 23.119
Sample wt.:

Observations: flow

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.323	46.383	clumps	
20	43.185	43.198		
25	45.584	45.595	1 large mica flake	
30	43.149	43.191		
35	41.519	41.541	MS	
40	39.569	39.586	"	
45	38.684	38.701	MM	
50	38.972	38.999	"	
60	37.735	37.823	ML	
70	35.884	36.099	~~MM~~ "	
80	36.305	36.996	"	
100	34.269	37.562	"	
120	35.356	42.670	MM	
140	34.699	38.454	—	
170	34.222	35.431		
200	32.969	33.175		
230	32.736	32.807		
Fines Collector 1	21.271			
Fines Collector 2	21.267			
Fines Collector 3	21.272	21.367		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CII-C82
Sampling Date: 10/8/10
Analysis Date: 4/21/11

Container wt.: 6.150
Total wt.: 15.984
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.326	46.477	clumps	
20	43.193	43.208		
25	45.587	45.611		
30	43.172	43.190	2 large mica flakes	
35	41.525	41.548	MS	
40	39.569	39.590	"	
45	38.683	38.707	MM	
50	38.970	38.998	ML	
60	37.737	37.772	"	
70	35.881	35.928	"	
80	36.310	36.411	"	
100	34.266	34.899	"	
120	35.384	36.730	MM	
140	34.700	38.549	—	
170	34.219	35.316		✓
200	32.970	33.154		✓
230	32.736	32.822		
Fines Collector 1	21.267			
Fines Collector 2	21.264			
Fines Collector 3	21.272	21.397	MS	
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-086
Sampling Date: 10/9/10
Analysis Date: 4/27/11

Container wt.: 6.154
Total wt.: 16.567
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.326	46.502	clumps	
20	43.191	43.208		
25	45.588	45.607		
30	43.157	43.172		
35	41.526	41.545	MS	
40	39.571	39.583	"	
45	38.688	38.706	MM	
50	38.973	38.995	"	
60	37.737	37.782	ML	
70	35.884	35.944	"	
80	36.299	36.416	"	
100	34.256	34.864	"	
120	35.354	38.487	MM	
140	34.695	39.059	—	
170	34.216	35.515		
200	32.971	33.198		
230	32.736	32.821		
Fines Collector 1	21.270			
Fines Collector 2	21.265			
Fines Collector 3	21.267	21.383		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI1-090
Sampling Date: 10/9/10
Analysis Date: 4/21/11

Container wt.: 6.154
Total wt.: 19.052
Sample wt.:

Observations:

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.321	46.323	Iclumps	
20	43.189	43.189		
25	45.584	45.590		
30	43.149	43.156	MS	
35	41.523	41.533	"	
40	39.571	39.583	"	
45	38.684	38.736	MM	
50	38.971	39.105	"	
60	37.735	38.218	ML	
70	35.881	36.873	M,M	
80	36.295	38.053	ML	
100	34.256	36.836	"	
120	35.364	38.968	MS	
140	34.704	37.071		
170	34.217	34.812		
200	32.968	33.084		✓
230	32.734	32.902		✓
Fines Collector 1	21.264			
Fines Collector 2	21.267			
Fines Collector 3	21.267	21.359		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-C94
Sampling Date: 10/8/10
Analysis Date: 4/21/11

Container wt.: 6.158
Total wt.: 20.128
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.318	46.324	shell frag mod	
20	42.187	42.190		
25	45.585	45.591		
30	43.145	43.148		
35	41.520	41.527	MS	
40	39.566	39.573	—	
45	38.681	38.719	MS	
50	38.970	39.119	MM	
60	37.738	38.427	"	
70	35.895	37.559	"	
80	36.304	39.203	"	
100	34.277	37.823	—	
120	35.392	38.628	MS	
140	34.693	36.051	—	
170	34.216	34.456		✓
200	32.968	33.024		✓
230	32.735	32.771		✓
Fines Collector 1	21.266			
Fines Collector 2	21.265			
Fines Collector 3	21.268	21.300		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-098
Sampling Date: 10/9/10
Analysis Date: 4/21/11

Container wt.: 6.151
Total wt.: 9.063
Sample wt.:

Observations:

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.320	46.325		
20	43.188	43.189		
25	45.584	45.585		
30	43.142	43.147		
35	41.520	41.524	MS	
40	39.567	39.568	MM	
45	38.685	38.691	MS	
50	38.971	38.997	MM	
60	37.743	37.865	"	
70	35.905	36.309	"	
80	36.312	37.634	ML	
100	34.279	37.605	MS	
120	35.380	40.205	—	
140	34.690	37.004		
170	34.214	34.577		✓
200	32.966	33.015		✓
230	32.737	32.768		✓
Fines Collector 1	21.266			
Fines Collector 2	21.261			
Fines Collector 3	21.267	21.311		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI1-102
Sampling Date: 10/9/10
Analysis Date: 4/23/11

Container wt.: 6.155
Total wt.: 16.715
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.313	46.321		
20	43.182	43.182		
25	45.579	45.584		
30	43.131	43.137		
35	41.517	41.522		
40	39.564	39.569	MS	
45	38.680	38.691	"	
50	38.966	38.994	—	
60	37.734	37.843	MM	
70	35.900	36.271	"	
80	36.323	37.437	"	
100	34.279	36.887	"	
120	35.377	39.302	—	
140	34.686	36.614		
170	34.209	34.535		✓
200	32.964	33.029		✓
230	32.730	32.766		✓
Fines Collector 1	21.271			
Fines Collector 2	21.269			
Fines Collector 3	21.270	21.316		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-106
Sampling Date: 10/9/10
Analysis Date: 4/23/11

Container wt.: 6.152
Total wt.: 18.668
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.313	46.315		
20	43.182	43.184		
25	45.580	45.583		
30	43.130	43.141		
35	41.519	41.527	MS	
40	39.565	39.576	"	
45	38.683	38.719	"	
50	38.966	39.054	"	
60	37.736	38.082	MM	
70	35.889	36.638	MS	
80	36.320	37.956	MM	
100	34.283	37.081	"	
120	35.404	39.594	MS	
140	34.693	36.751	—	
170	34.210	34.615		
200	32.970	33.034		✓
230	32.738	32.770		✓
Fines Collector 1	21.273			
Fines Collector 2	21.268			
Fines Collector 3	21.267	21.317		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-110
Sampling Date: 10/9/10
Analysis Date: 4/23/11

Container wt.: 6.155
Total wt.: 19.512
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.313	46.318		
20	43.181	43.183		
25	45.579	45.585		
30	43.132	43.139		
35	41.513	41.521		
40	39.563	39.570		
45	38.679	38.733	MS	
50	38.966	39.169	—	
60	37.735	38.676	MS	
70	35.889	37.801	"	
80	36.373	39.188	"	
100	34.293	37.205	—	
120	35.395	38.023		
140	34.688	36.009		✓
170	34.208	34.532		✓
200	32.966	33.060		✓
230	32.732	32.779		✓
Fines Collector 1	21.268			
Fines Collector 2	21.265			
Fines Collector 3	21.266	21.298		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-114
Sampling Date: 10/9/10
Analysis Date: 4/23/11

Container wt.: 6.151
Total wt.: 17.251
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.311	46.312		
20	43.180	43.178		
25	45.577	45.578		
30	43.132	43.136		
35	41.514	41.523		
40	39.562	39.569		
45	38.678	38.709		
50	38.966	39.078	MS	
60	37.741	38.398	MM	
70	35.915	37.457	"	
80	36.323	38.534	"	
100	34.286	36.922	MS	
120	35.406	38.070	"	
140	34.681	35.699	—	
170	34.208	34.355		✓
200	32.968	32.995		✓
230	32.732	32.746		
Fines Collector 1	21.266			
Fines Collector 2	21.263			
Fines Collector 3	21.267	21.284		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CII-118
Sampling Date: 10/9/10
Analysis Date: 4/23/11

Container wt.: 6.151
Total wt.: 19.476
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.311	46.318		
20	43.176	43.184		
25	45.575	45.581		
30	43.129	43.134		
35	41.517	41.520		
40	39.567	39.571	MS	
45	38.679	38.708	"	
50	38.966	39.056	"	
60	37.744	38.328	"	
70	35.921	37.574	"	
80	36.343	39.091	MM	
100	34.298	37.515	MS	
120	35.413	38.728	—	
140	34.677	36.019		✓
170	34.206	34.425		✓
200	32.964	33.005		✓
230	32.728	32.754		✓
Fines Collector 1	21.266			
Fines Collector 2	21.267			
Fines Collector 3	21.263	21.292		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CII-122
Sampling Date: 10/9/10
Analysis Date: 4/23/11

Container wt.: 6.153
Total wt.: 20.459
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.313	46.319		
20	43.180	43.185		
25	45.581	45.584		
30	43.130	43.135		
35	41.518	41.526	MS	
40	39.566	39.577	—	
45	38.685	38.724		
50	38.966	39.065	MS	
60	37.751	38.241	MM	
70	35.922	37.479	"	
80	36.335	39.484	"	
100	34.324	37.949	"	
120	35.412	38.993	MS	
140	34.678	36.056	"	
170	34.203	34.429	—	✓
200	32.964	33.016		✓
230	32.729	32.754		✓
Fines Collector 1	21.266			
Fines Collector 2	21.267			
Fines Collector 3	21.266	21.297		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-126
Sampling Date: 10/9/10
Analysis Date: 4/23/11

Container wt.: 6.149
Total wt.: 18.723
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.315	46.315		
20	43.182	43.182		
25	45.583	45.583		
30	43.127	43.136		
35	41.514	41.518		
40	39.561	39.566		
45	38.689	38.706		
50	38.966	39.153		
60	37.748	39.028	MS	
70	35.932	38.342	"	
80	36.347	38.910	"	
100	34.291	36.668	—	
120	35.445	37.528		
140	34.679	35.590		✓
170	34.209	34.344		✓
200	32.965	32.987		✓
230	32.731	32.742		✓
Fines Collector 1	21.265			
Fines Collector 2	21.264			
Fines Collector 3	21.262	21.281		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI1-130
Sampling Date: 10/9/10
Analysis Date: 4/23/11

Container wt.: 6.152
Total wt.: 26.603
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.312	46.315		
20	43.181	43.182		
25	45.580	45.587		
30	43.130	43.135		
35	41.515	41.522		
40	39.565	39.569		
45	38.679	38.712		
50	38.869	39.150	MS	
60	37.767	39.035	"	
70	35.925	38.898	"	
80	36.357	40.050	"	
100	34.302	37.325	—	
120	35.402	37.706	MS	
140	34.681	35.451		✓
170	34.209	34.311		✓
200	32.968	32.988		✓
230	32.732	32.745		✓
Fines Collector 1	21.267			
Fines Collector 2	21.267			
Fines Collector 3	21.265	21.287		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-134
Sampling Date: 10/9/10
Analysis Date: 4/23/11

Container wt.: 6.151
Total wt.: 20.173
Sample wt.:

Observations: Large shell fray taken out before analyzing

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.312	46.325	sml shell frags	
20	43.177	43.184		
25	45.579	45.587		
30	43.180	43.133		
35	41.515	41.526		
40	39.560	39.597		
45	38.681	38.816	MS	
50	38.971	39.378	—	
60	37.776	39.296	MM	
70	35.954	38.417	MS	
80	36.365	39.339	"	
100	32.323	37.100	—	
120	35.389	37.796		
140	34.677	35.663		✓
170	34.206	34.381		✓
200	32.967	33.002		✓
230	32.731	32.748		✓
Fines Collector 1	21.268			
Fines Collector 2	21.769			
Fines Collector 3	21.269	21.286		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-138
Sampling Date: 10/9/10
Analysis Date: 4/23/11

Container wt.: 6.157
Total wt.: 19.920
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.316	46.328		
20	43.181	43.180		
25	45.581	45.587		
30	43.129	43.136		
35	41.516	41.545		
40	39.564	39.637		
45	38.677	39.079	MS	
50	38.971	40.127	—	
60	37.784	41.055		
70	35.941	39.283	MS	
80	36.349	38.744	—	✓
100	34.326	35.845		✓
120	35.408	36.436		✓
140	34.674	35.058		✓
170	34.206	34.270		✓
200	32.966	32.977		✓
230	32.729	32.735		✓
Fines Collector 1	21.267			
Fines Collector 2	21.268			
Fines Collector 3	21.268	21.280		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-142
Sampling Date: 10/9/10
Analysis Date: 5/14/11

Container wt.: 6.151
Total wt.: 16.908
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.376	46.384		
20	43.245	43.249		
25	45.636	45.656		
30	43.199	43.256		
35	41.588	41.674		
40	39.634	39.767		
45	38.752	39.163		
50	39.056	39.963	MS	
60	37.852	40.272	MM	
70	36.038	38.417	"	
80	36.433	38.338	MS	
100	34.364	35.495	"	✓
120	35.452	36.315	—	✓
140	34.738	35.096		✓
170	34.270	34.335		✓
200	33.032	33.053		
230	32.794	32.806		?
Fines Collector 1	21.298			
Fines Collector 2	21.296			
Fines Collector 3	21.298	21.310		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-146
Sampling Date: 10/9/10
Analysis Date: 5/14/11

Container wt.: 6.147
Total wt.: 19.199
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.372	46.404		
20	43.242	43.256		
25	45.634	45.685		
30	43.214	~~43.305~~ ~~40.370~~		
35	41.593	~~42~~ 41.989		
40	39.636	40.280		
45	38.757	39.977	MS	
50	39.074	40.613	—	
60	37.886	40.015	MM	
70	36.032	37.699	MS	
80	36.427	38.064	MM	
100	34.361	35.882	"	
120	35.457	36.953	MS	
140	34.741	35.317	—	✓
170	34.276	34.351		✓
200	33.085	33.048		✓
230	32.797	32.805		✓
Fines Collector 1	21.299			
Fines Collector 2	21.296			
Fines Collector 3	21.292	21.304		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-150
Sampling Date: 10/9/10
Analysis Date: 5/14/11

Container wt.: 6.151
Total wt.: 19.184
Sample wt.:

Observations: SML TO MED SHELL FRAGS

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.370	46.711	sml-shell frags	
20	43.242	43.336		
25	45.639	45.809		
30	43.217	43.431		
35	41.992	42.021	MS	
40	39.641	40.066	"	
45	38.773	39.750	"	
50	39.107	40.877	—	
60	37.896	41.043	MS	
70	36.000	38.128	MM	
80	36.442	37.677	"	
100	34.386	35.124	MS	✓
120	35.446	36.191	"	✓
140	34.736	35.206	"	✓
170	34.267	34.365	—	✓
200	33.032	33.050		?
230	32.793	32.801		?
Fines Collector 1	21.294			
Fines Collector 2	21.289			
Fines Collector 3	21.288	21.361		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI1-154
Sampling Date: 10/9/10
Analysis Date: 5/14/11

Container wt.: C.154
Total wt.: 18.074
Sample wt.:

Observations: med - lrg shell frags

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.379	46.555	shellfrags	
20	43.241	43.284		
25	45.638	45.752		
30	43.206	43.364		
35	41.596	42.046	MS	
40	39.640	40.218	—	
45	38.776	40.109		
50	39.092	41.306		
60	37.875	40.993	MM	
70	36.008	37.729	MS	
80	36.435	37.341	"	
100	34.366	34.888	"	✓
120	35.442	35.774	"	✓
140	34.738	34.908	"	✓
170	34.270	34.316	—	✓
200	33.031	33.045		✓
230	32.795	32.803		
Fines Collector 1	21.280			
Fines Collector 2	21.289			
Fines Collector 3	21.285	21.299		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-158
Sampling Date: 10/9/10
Analysis Date: 5/14/11

Container wt.: 6.152
Total wt.: 18.472
Sample wt.:

Observations: 1 large shell frag

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.366	46.395		
20	43.241	43.251		
25	45.637	45.674		
30	43.202	43.282		
35	41.595	41.839		
40	39.647	40.058		
45	38.793	39.947		
50	39.121	41.353	MS	
60	37.878	41.625	—	
70	36.007	38.396		
80	36.424	37.575		✓
100	34.359	34.844		✓
120	35.438	35.664		✓
140	34.735	34.812		✓
170	34.266	34.287		
200	33.029	33.036		
230	32.794	32.796		
Fines Collector 1	21.289			
Fines Collector 2	21.289			
Fines Collector 3	21.286	21.298		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CII-162
Sampling Date: 10/9/10
Analysis Date: 5/18/11

Container wt.: 6.150
Total wt.: 19.050
Sample wt.:

Observations: sand to med shell frags

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.390	46.909	shell frags	
20	43.267	43.331		
25	45.659	45.824		
30	43.231	43.459		
35	41.623	42.165		
40	39.674	40.292		
45	38.820	40.210		
50	39.151	41.392		
60	37.901	41.364		
70	36.052	38.117		
80	36.454	37.413		✓
100	34.378	34.752		✓
120	35.463	35.637		✓
140	34.760	34.820		✓
170	34.296	34.308		✓
200	33.058	33.063		
230	32.819	32.826		
Fines Collector 1	21.306			
Fines Collector 2	21.305			
Fines Collector 3	21.305	21.311		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI1-166 Container wt.: 6.150
Sampling Date: 10/9/10 Total wt.: 46.437
Analysis Date: 5/18/11 Sample wt.:

Observations: sand, red shell frags

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.389	46.961	sand - red shell frags	
20	43.267	43.368		
25	45.662	45.901		
30	43.234	43.618		
35	41.628	42.412		
40	39.678	40.394		
45	38.851	39.977		
50	39.179	40.581	SM	
60	37.928	40.078	"	
70	36.067	37.500	"	
80	36.445	37.234	"	
100	34.374	34.698	—	✓
120	35.456	35.621		✓
140	34.755	34.822		✓
170	34.293	34.310		
200	33.053	33.064		
230	32.818	32.827		
Fines Collector 1	21.302			
Fines Collector 2	21.305			
Fines Collector 3	21.302	21.313		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-170
Sampling Date: 10/9/10
Analysis Date: 5/18/11

Container wt.: 6.152
Total wt.: 15.668
Sample wt.:

Observations: sand + med shell frags

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.392	46.746	sand - med shell frags	
20	43.266	43.360		
25	45662	45.939		
30	43.232	43.606		
35	41.630	42.522		
40	39.672	40.549	MS	
45	38.836	40.274	—	
50	39 156	40.687		
60	37.911	39.648		
70	36063	37.108		
80	36.452	36.925		
100	34.370	34.568		✓
120	35.457	35.560		✓
140	34.753	34.816		✓
170	34.291	34.317		
200	33.054	33.063		
230	32.819	32.824		
Fines Collector 1	21.305			
Fines Collector 2	21.295			
Fines Collector 3	21.297	21.306		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-174
Sampling Date: 10/9/10
Analysis Date: 2/7/12

Container wt.: 6.135
Total wt.: 15.193
Sample wt.:

Observations: _____

10	49.407	49.940		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.268	46.682		
20	43.149	43.277		
25	45.572	45.897		
30	43.074	43.442		
35	41.443	42.189		
40	39.520	40.231		
45	38.648	39.878		
50	38.925	40.337		
60	37.715	39.270		
70	35.830	36.672		
80	36.226	36.632		
100	34.208	34.387		✓
120	35.268	35.379		✓
140	34.598	34.649		
170	34.166	34.181		
200	32.931	32.934		
230	32.698	32.699		
Fines Collector 1	21.273			
Fines Collector 2	21.268			
Fines Collector 3	21.268	21.271		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-178
Sampling Date: 10/9/10
Analysis Date: 2/7/12

Container wt.: 6.151
Total wt.: 18.142
Sample wt.: _____

Observations: _____

10	49.407	50.622		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.266	46.542		
20	43.148	43.235		
25	45.574	45.733		
30	43.684	43.244		
35	41.447	41.825		
40	39.526	40.047		
45	38.664	39.876		
50	38.950	40.981		
60	37.725	40.622		
70	35.840	37.536		✓
80	36.233	36.971		✓
100	34.200	34.541		✓
120	35.269	35.448		✓
140	34.599	34.662		✓
170	34.168	34.180		✓
200	32.930	32.933		
230	32.697	32.700		
Fines Collector 1	21.268			
Fines Collector 2	21.269			
Fines Collector 3	21.268	21.273		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-182
Sampling Date: 10/9/10
Analysis Date: 2/7/12

Container wt.: 6.157
Total wt.: 19.036
Sample wt.: _____

Observations: _____

10	49.407	49.407		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.263	46.291		
20	43.146	43.167		
25	45.570	45.607		
30	43.082	13.165		
35	41.447	41.861		
40	39.525	40.240		
45	38.663	40.690		✓
50	38.952	41.768		✓
60	37.734	41.188		✓
70	35.839	37.579		✓
80	36.238	36.995		✓
100	34.212	34.587		✓
120	35.268	35.509		✓
140	34.598	34.715		✓
170	34.167	34.894		✓
200	32.931	32.931		✓
230	32.698	32.704		
Fines Collector 1	21.268			
Fines Collector 2	21.268			
Fines Collector 3	21.268	21.275		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-186
Sampling Date: 10/9/16
Analysis Date: 2/7/12

Container wt.: 6.154
Total wt.: 18.136
Sample wt.:

Observations: _____

1C	49.407	49.788		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.262	46.515		
20	43.147	43.229		
25	45.568	45.840		
30	43.081	43.427		
35	41.449	42.234		
40	39.536	40.343		
45	38.677	40.202		✓
50	38.977	40.880		✓
60	37.740	40.174		✓
70	35.849	37.319		✓
80	36.238	37.004		✓
100	34.214	34.634		✓
120	35.269	35.577		✓
140	34.099	34.758		✓
170	34.171	34.208		✓
200	32.931	32.937		✓
230	32.699	32.703		✓
Fines Collector 1	21.268			
Fines Collector 2	21.268			
Fines Collector 3	21.270	21.273		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-19C
Sampling Date: 10/9/10
Analysis Date: 2/7/12

Container wt.: 6.150
Total wt.: 16.234
Sample wt.: _____

Observations: _____

10	49.407	50.789		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.262	46.753		
20	43.147	43.301		
25	45.569	45.928		
30	43.087	43.505		
35	41.451	42.488		
40	39.538	40.523		✓
45	38.689	40.448		✓
50	38.967	40.575		✓
60	37.734	38.950		✓
70	35.871	36.267		✓
80	36.244	36.378		✓
100	34.215	34.265		—
120	35.271	35.298		✓
140	34.600	34.618		
170	34.174	34.182		
200	32.931	32.934		
230	32.698	32.702		
Fines Collector 1	21.268			
Fines Collector 2	21.270			
Fines Collector 3	21.268	21.275		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-194
Sampling Date: 10/4/10
Analysis Date: ~~12~~ 7/12

Container wt.: 6.151
Total wt.: 17.844
Sample wt.: _____

Observations: _____

10	49.407	49.858		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.265	46.847		
20	43.147	43.303		
25	45.571	45.966		
30	43.089	43.586		
35	41.459	42.780		
40	39.542	40.789		
45	38.676	40.990		✓
50	38.961	41.272	SML MICA FLK	✓
60	31.723	39.345		✓
70	35.844	36.347		✓
80	36.237	36.388		✓
100	34.212	34.265		✓
120	35.267	35.309		✓
140	34.597	34.627		✓
170	34.178	34.181		
200	32.931	32.934		
230	32.699	32.700		
Fines Collector 1	21.269			
Fines Collector 2	21.269			
Fines Collector 3	21.269	21.773		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI1-198
Sampling Date: 10/9/10
Analysis Date: 2/7/12

Container wt.: 6.151
Total wt.: 18.398
Sample wt.: _____

Observations: _____

10	419.407	49.519		

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.266	46.347		
20	43.145	43.180		
25	45.567	45.723		
30	43.084	43.413		
35	41.459	42.608		
40	39.551	41.036		✓
45	38.680	41.861		✓
50	38.969	41.984		✓
60	37.725	39.702		✓
70	35.843	36.329		✓
80	36.234	36.354		✓
100	34.210	34.247		✓
120	35.265	35.295		
140	34.595	34.623		
170	34.169	34.178		
200	32.931	32.932		
230	32.698	32.699		
Fines Collector 1	21.270			
Fines Collector 2	21.269			
Fines Collector 3	21.269	21.270		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-202
Sampling Date: 10/9/16
Analysis Date: 2/7/12

Container wt.: 6.150
Total wt.: 19.148
Sample wt.: _____

Observations: _____

10	49.407	49.544		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.265	46.394		
20	43.146	43.215		
25	45.570	45.737		
30	43.082	43.347		
35	41.464	42.306		
40	39.567	40.558		✓
45	38.706	41.075		✓
50	38.989	42.088		✓
60	37.723	40.849		✓
70	35.840	36.967		✓
80	36.231	36.556		✓
100	34.208	34.318		✓
120	35.264	35.351		✓
140	34.596	34.678		✓
170	34.171	34.198		
200	34.921	34.937		
230	32.699	32.703		
Fines Collector 1	21.267			
Fines Collector 2	21.271			
Fines Collector 3	21.270	21.273		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CII-206
Sampling Date: 10/9/10
Analysis Date: 2/7/12

Container wt.: 6.150
Total wt.: 17.074
Sample wt.:

Observations: _____

10	49.409	49.425		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.259	46.390		
20	43.145	43.200		
25	45.571	45.680		
30	42.085	42.259		
35	41.467	41.941		
40	39.558	40.851		✓
45	38.692	40.116		✓
50	38.966	41.288		✓
60	37.728	40.712		✓
70	35.839	37.345		✓
80	36.231	36.841		✓
100	34.206	34.446		✓
120	35.263	35.406		✓
140	34.597	34.680		✓
170	34.174	34.194		
200	32.931	32.936		
230	32.699	32.702		
Fines Collector 1	21.271			
Fines Collector 2	21.271			
Fines Collector 3	21.272	21.278		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CII-210
Sampling Date: 10/9/16
Analysis Date: 2/7/12

Container wt.: 6.182
Total wt.: 19.232
Sample wt.:

Observations: FINE SAND

10	49.409	49.650		1
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.266	46.397		
20	43.146	43.261		
25	45.569	45.708		
30	43.084	43.276		
35	41.452	42.064		
40	39.549	40.298		
45	38.687	40.452		✓
50	38.972	41.700		✓
60	37.724	41.165		✓
70	35.858	37.517		✓
80	36.332	36.929		✓
100	34.205	34.522		✓
120	35.264	35.480		✓
140	34.594	34.721		✓
170	34.173	34.263		✓
200	32.921	32.936		
230	32.699	32.702		
Fines Collector 1	21.271			
Fines Collector 2	21.271			
Fines Collector 3	21.271	21.276		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-214
Sampling Date: 10/9/10
Analysis Date: 2/10/12

Container wt.: 6.152
Total wt.: 16.094
Sample wt.:

Observations: A WHOLE GASTROPOD SHELL

10	49.405	49.635		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.256	46.358		
20	43.142	43.179		
25	45.564	45.646		
30	43.088	43.236		
35	41.451	41.902		
40	39.547	40.162		
45	38.692	40.228		✓
50	38.977	41.462		✓
60	37.728	40.491		✓
70	35.846	36.888		✓
80	36.230	36.547		✓
100	34.202	34.296		✓
120	35.261	35.302		
140	34.593	34.612		
170	34.169	34.175		
200	32.928	32.928		
230	32.695	32.695		
Fines Collector 1	21.274			
Fines Collector 2	21.272			
Fines Collector 3	21.273	21.275		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI1-218
Sampling Date: 10/9/10
Analysis Date: 2/10/12

Container wt.: 6.151
Total wt.: 19.816
Sample wt.:

Observations: _____

10	49.406	49.635		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.256	46.296		
20	43.145	43.167		
25	45.564	45.629		
30	43.081	43.202		
35	41.450	41.813		
40	39.553	40.194		✓
45	38.692	40.503		✓
50	38.982	42.300		✓
60	37.725	41.863		✓
70	35.842	37.644		✓
80	36.230	36.876		✓
100	34.201	34.429		✓
120	35.256	35.383		✓
140	34.592	34.655		
170	34.167	34.182		
200	32.927	32.930		
230	32.695	32.697		
Fines Collector 1	21.273			
Fines Collector 2	21.273			
Fines Collector 3	21.275	21.276		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-222
Sampling Date: 10/9/10
Analysis Date: 2/10/12

Container wt.: 6.15
Total wt.: 21.546
Sample wt.:

Observations: _____

10	49.406	49.594		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.256	46.298		
20	43.143	43.169		
25	45.564	45.604		
30	43.084	43.147		
35	41.451	41.657		
40	39.550	39.952		
45	38.695	40.156		✓
50	38.008	42.400		✓
60	37.740	42.696		✓
70	35.869	38.490		✓
80	36.233	37.369		✓
100	34.201	34.640		✓
120	35.256	35.482		✓
140	34.591	34.691		✓
170	34.167	34.189		
200	32.927	32.931		
230	32.694	32.697		
Fines Collector 1	21.274			
Fines Collector 2	21.274			
Fines Collector 3	21.272	21.283		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI1-226
Sampling Date: 10/9/10
Analysis Date: ~~12~~ 2/10/12

Container wt.: 6.151
Total wt.: 18.903
Sample wt.: _____

Observations: _____

10	49.405	49.406		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.256	46.268		
20	43.143	43.159		
25	45.563	45.583		
30	43.083	43.118		
35	41.452	41.574		
40	39.543	39.830		
45	38.695	39.835		✓
50	38.997	41.765		✓
60	37.725	40.853	~~SAND~~ COUPLE OF MICA FLAKES	✓
70	35.864	38.231		✓
80	36.234	37.262		✓
100	34.201	34.658		✓
120	35.255	35.475		✓
140	34.592	34.690		✓
170	34.167	34.187		✓
200	32.927	32.931		
230	32.694	32.698		
Fines Collector 1	21.273			
Fines Collector 2	21.274			
Fines Collector 3	21.273	21.280		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-230 Container wt.: 6.150
Sampling Date: 10/9/10 Total wt.: 20.076
Analysis Date: 2/10/12 Sample wt.:

Observations: BROWNER THAN (TAN) SAMPLES ON EITHER ~~PREVIOUS AND~~ SIDE (LIGHT GRAY)

10	49.406	49.483		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.254	46.291		
20	43.141	43.162		
25	45.564	45.606		
30	43.086	43.137		
35	41.451	41.638		
40	39.542	39.930		✓
45	38.691	40.004		✓
50	38.977	41.929	SOME MICA	✓
60	37.727	41.118		?
70	35.870	38.344	SOME MICA	✓
80	36.236	37.347		✓
100	34.202	34.681		✓
120	35.258	35.499		✓
140	34.592	34.690		
170	34.166	34.184		
200	32.926	32.928		
230	32.694	32.696		
Fines Collector 1	21.274			
Fines Collector 2	21.274			
Fines Collector 3	21.275	21.279		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI1-234
Sampling Date: 10/9/10
Analysis Date: 2/10/12

Container wt.: 6.150
Total wt.: 18.460
Sample wt.:

Observations: WHOLE GASTROPOD SHELL

10	49.408	49.423		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.253	46.294		
20	43.142	43.152		
25	45.561	45.603		
30	43.090	43.135		
35	41.451	41.638		
40	39.543	39.901		?
45	38.694	39.905	SOME MICA FLAKES	✓
50	38.981	41.528	"	✓
60	37.724	41.335		✓
70	35.872	38.016		✓
80	36.241	37.315		✓
100	34.201	34.728		✓
120	35.257	35.558		✓
140	34.591	34.716		✓
170	34.168	34.192		✓
200	32.926	32.929		
230	32.695	32.695		
Fines Collector 1	21.274			
Fines Collector 2	21.274			
Fines Collector 3	21.274	21.279		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-238
Sampling Date: 10/9/10
Analysis Date: 2/10/12

Container wt.: 6.151
Total wt.: 21.886
Sample wt.:

Observations: _____

10	49.419	49.430		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.253	46.272		
20	43.143	43.146		
25	45.563	45.583		
30	43.084	43.102		
35	41.451	41.517		
40	39.543	39.716		
45	38.692	39.606	SOME MICA	✓
50	38.980	42.095	"	✓
60	37.724	43.104		✓
70	35.855	38.703	SOME MICA	✓
80	36.238	37.545	"	✓
100	34.203	34.975		✓
120	35.257	35.855		✓
140	34.593	34.912		✓
170	34.166	34.233		✓
200	32.927	32.940		✓
230	32.694	32.704		✓
Fines Collector 1	21.274			
Fines Collector 2	21.274			
Fines Collector 3	21.276	21.290		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-242
Sampling Date: 10/9/10
Analysis Date: ~~12~~/10/12

Container wt.: 6.150
Total wt.: 20.571
Sample wt.: _____

Observations: _____

10	49.413	49.412		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.253	46.255		
20	43.142	43.149		
25	45.565	45.578		
30	43.083	43.101		
35	41.448	41.516		
40	39.537	39.750		
45	38.688	39.660	SOME MICA	✓
50	38.985	41.691	"	✓
60	37.723	41.877	"	✓
70	35.859	38.242	"	✓
80	36.237	37.481	"	✓
100	34.204	35.164	"	✓
120	35.264	36.218		✓
140	34.593	35.133	SOME MICA	✓
170	34.166	34.277		✓
200	32.926	32.943		✓
230	32.694	32.704		?
Fines Collector 1	21.274			
Fines Collector 2	21.277			
Fines Collector 3	21.278	21.284		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-246
Sampling Date: 10/9/16
Analysis Date: ~~12~~/10/17

Container wt.: 6.150
Total wt.: 20.676
Sample wt.: _____

Observations: _____

16	49.412	49.414		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.253	46.264		
20	43.141	43.149		
25	45.564	45.575		
30	43.084	43.097		
35	41.449	41.469		
40	39.540	39.582		
45	38.687	38.942	SOME MICA	
50	38.976	~~40~~.205	"	✓
60	37.731	41.235	"	✓
70	35.868	38.737	"	✓
80	36.244	37.995		✓
100	34.207	35.673		✓
120	35.264	37.029		✓
140	34.595	35.783		✓
170	34.168	34.418		✓
200	32.921	32.967		—
230	32.695	32.714		
Fines Collector 1	21.271			
Fines Collector 2	21.276			
Fines Collector 3	21.275	21.295		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-250
Sampling Date: 10/9/10
Analysis Date: 2/10/12

Container wt.: 6.151
Total wt.: 21.763
Sample wt.:

Observations: 1 broken gastropod shell

10	49.411	49.440		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.251	46.268		
20	43.141	43.145		
25	45.565	45.582		
30	43.084	43.113		
35	41.449	41.586		
40	39.537	39.791		?
45	38.680	39.559	SOME MICA	✓
50	38.976	41.238	"	✓
60	37.746	41.428	"	?
70	35.907	38.283	"	✓
80	36.247	37.619	"	✓
100	34.213	35.326	"	✓
120	35.280	36.852		✓
140	34.600	35.903		✓
170	34.170	34.531		✓
200	32.929	32.993		✓
230	32.694	32.724		✓
Fines Collector 1	21.279			
Fines Collector 2	21.279			
Fines Collector 3	21.278	21.299		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-254
Sampling Date: 10/9/10
Analysis Date: 2/14/12

Container wt.: 6.152
Total wt.: 21.175
Sample wt.: _____

Observations: _____

10	49.4[illegible]	49.416		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.243	46.252		
20	43.134	43.136		
25	45.555	45.576		
30	43.075	43.101		
35	41.442	41.607		
40	39.530	39.895		✓
45	38.675	40.153		✓
50	37.981	43.190		✓
60	37.740	43.490	SML MICA	✓
70	35.875	36.802		✓
80	36.242	36.771		✓
100	34.207	34.392		✓
120	35.281	35.438		✓
140	34.596	34.706		
170	34.180	34.193		
200	32.920	32.925		
230	32.686	32.691		
Fines Collector 1	21.281			
Fines Collector 2	21.280			
Fines Collector 3	21.284	21.287		
Sum total				

200. mm

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-258
Sampling Date: 10/9/10
Analysis Date: 2/14/11

Container wt.: 6.151
Total wt.: 82.537
Sample wt.: _____

Observations: _____

10	49.414	49.425		

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.344	46.328		
20	43.133	43.164		
25	45.558	45.662		
30	43.076	43.234		
35	41.443	41.986		
40	39.530	40.250		✓
45	38.692	40.676		✓
50	38.997	43.291		✓
60	37.754	42.899		✓
70	35.891	37.976		✓
80	36.235	34.889		✓
100	34.203	34.430		✓
120	35.265	35.441		✓
140	34.591	34.690		✓
170	34.166	34.185		
200	32.919	32.921		
230	32.688	32.690		
Fines Collector 1	21.278			
Fines Collector 2	21.278			
Fines Collector 3	21.278	21.284		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CII-262
Sampling Date: 10/9/10
Analysis Date: 2/14/12

Container wt.: 6.150
Total wt.: 20.485
Sample wt.: _____

Observations: _____

10	49.413	49.499		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.243	46.282		
20	43.133	43.153		
25	45.556	45.610		
30	43.077	43.184		
35	41.444	41.846	*large mica	
40	39.533	40.089		
45	38.696	40.264	SMZ MBCA	✓
50	39.811	42.519	"	✓
60	37.750	42.386		✓
70	35.869	37.819		✓
80	36.232	36.888		✓
100	34.201	34.474		✓
120	35.262	35.507		✓
140	34.590	34.758		✓
170	34.164	34.196		✓
200	32.919	32.925		
230	32.686	32.690		
Fines Collector 1	21.280			
Fines Collector 2	21.274			
Fines Collector 3	21.280	21.284		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C11-266
Sampling Date: 10/9/10
Analysis Date: 2/14/12

Container wt.: 6.151
Total wt.: 49.284
Sample wt.: _____

Observations: _____

10	49.412	49.418		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.244	46.255		
20	43.136	43.144		
25	45.557	45.570		
30	43.075	43.107		
35	41.445	41.539		
40	39.535	39.718	SML MICA	
45	38.688	39.291	MICA FLAKES	✓
50	38.994	40.741	"	✓
60	37.745	41.842	"	✓
70	35.861	38.763		✓
80	36.233	37.680		✓
100	34.200	34.884		✓
120	35.263	35.829		✓
140	34.588	35.028		✓
170	34.162	34.293		✓
200	32.918	32.958		✓
230	32.686	32.706		✓
Fines Collector 1	21.279			
Fines Collector 2	21.280			
Fines Collector 3	21.281	21.308		
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-270
Sampling Date: 10/9/10
Analysis Date: 1/10/13

Container wt.: 6.152
Total wt.: 16.092
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.409	49.658			
18	1	0.00	46.243	46.594			
20	0.85	0.25	43.134	43.200			
25	0.71	0.50	45.557	45.665			
30	0.6	0.75	43.075	43.154			
35	0.5	1.00	41.444	41.550			
40	0.43	1.25	39.633	39.630			
45	0.36	1.50	38.682	38.891			
50	0.3	1.75	38.992	39.499			
60	0.25	2.00	37.742	39.191			
70	0.21	2.25	35.898	37.260			
80	0.18	2.50	36.241	37.125			
100	0.15	2.75	34.206	34.911			
120	0.13	3.00	35.261	36.421			
140	0.11	3.25	34.589	35.813			
170	0.09	3.50	34.168	34.854			
200	0.08	3.75	32.920	33.307			
230	0.06	4.00	32.686	33.097			
270	0.05	4.25	32.967	33.300			
325	0.05	4.50	32.985	33.197			
400	0.04	4.75	33.098	33.235			
450	0.03	5.00	32.761	32.850			
Fines	<0.03	> 5	122.825	122.867			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C11-274
Sampling Date: 10/9/10
Analysis Date: 1/10/13

Container wt.: 6.160
Total wt.: 12.712
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.408	49.566			
18	1	0.00	46.246	46.612			
20	0.85	0.25	43.140	43.254			
25	0.71	0.50	45.560	45.686			
30	0.6	0.75	43.075	43.162			
35	0.5	1.00	41.445	41.556			
40	0.43	1.25	39.530	39.618			
45	0.36	1.50	38.676	38.786			
50	0.3	1.75	38.980	39.088			
60	0.25	2.00	37.735	37.872			
70	0.21	2.25	35.857	35.989			
80	0.18	2.50	36.236	36.440			
100	0.15	2.75	34.204	34.674			
120	0.13	3.00	35.262	36.470			
140	0.11	3.25	34.593	35.812			
170	0.09	3.50	34.167	34.826			
200	0.08	3.75	32.924	33.298			
230	0.06	4.00	32.692	33.076			
270	0.05	4.25	32.963	33.231			
325	0.05	4.50	32.978	33.171			
400	0.04	4.75	33.095	33.179			
450	0.03	5.00	32.764	32.830			
Fines	<0.03	> 5	122.826	122.853			

Vibracore C12

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-006 Container wt.: 6.1[illegible]50
Sampling Date: 10/9/10 Total wt.: 15.0[illegible]
Analysis Date: 11/18/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.315	46.408	
20	43.208	43.221	
25	45.630	45.667	
30	43.161	43.217	
35	41.520	41.699	
40	39.596	39.849	
45	38.726	39.321	
50	39.004	39.979	
60	37.754	39.492	
70	35.935	37.699	
80	36.335	37.841	
100	34.329	35.198	
120	35.351	35.821	
140	34.693	34.924	
170	34.245	34.317	
200	32.991	33.019	
230	32.764	32.786	
Fines Collector 1	21.236	[illegible]	[illegible]
Fines Collector 2	21.237	[illegible]	[illegible]
Fines Collector 3	21.239	21.282	
Sum total	[illegible]	[illegible]	

increasing heavies ↓

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-010 Container wt.: 6.850
Sampling Date: 10/9/10 Total wt.: 16.754
Analysis Date: 11/18/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.319	46.372	
20	43.212	43.238	
25	45.632	45.676	
30	43.165	43.236	
35	41.525	41.774	
40	39.602	39.915	
45	38.742	39.529	
50	39.013	40.256	
60	37.779	39.897	
70	35.944	38.003	
80	36.332	38.002	
100	34.299	35.264	
120	35.335	35.862	
140	34.683	34.931	
170	34.248	34.320	
200	32.992	33.016	
230	32.763	32.782	
Fines Collector 1	21.239	[redacted]	[redacted]
Fines Collector 2	21.335	[redacted]	[redacted]
Fines Collector 3	21.233	21.270	
Sum total	[redacted]	[redacted]	

increasing heavies, Mica?

Grain-size [illegible]is
Data Sh[illegible]t
Project: Cedar [illegible] Breach

Page : _____

Sample No: CIB-C12-014 C[illegible]ner wt.: 6.152
Sampling Date: 10/19/10 [illegible]l wt.: 18.219
Analysis Date: 11/18/10 [illegible]le wt.: _____

Standard Sieve	TARE Weight	Weigl[illegible]sieving	Sample Weight
18	46.319	46.325	
20	43.211	43.217	
25	45.630	45.646	
30	43.159	43.180	
35	41.524	41.629	
40	39.601	39.764	
45	38.746	39.355	
50	39.025	40.555	
60	37.780	40.965	
70	35.965	38.706	
80	36.338	38.224	
100	34.294	35.271	
120	35.333	35.799	
140	34.674	34.886	
170	34.240	34.314	
200	32.989	33.016	
230	32.760	32.780	
Fines Collector 1	21.330	[redacted]	[redacted]
Fines Collector 2	21.231	[redacted]	[redacted]
Fines Collector 3	21.236	21.265	
Sum total	[redacted]	[redacted]	

circumference

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Project: Cedar Isl Breach

Page : _____

Sample No: CIB-C12-018 C wt.: 6.149
Sampling Date: 10/9/10 wt.: 16.495
Analysis Date: 11/18/10 S wt.: _____

Standard Sieve	TARE Weight	Weight ving	Sample Weight
18	46.318	46.379	
20	43.208	43.235	
25	45.626	45.691	
30	43.163	43.240	
35	41.526	41.760	
40	39.601	39.945	
45	38.750	39.610	
50	39.037	40.405	
60	37.604	40.045	
70	35.978	37.946	
80	36.344	37.829	
100	34.303	35.122	
120	35.328	35.734	
140	34.676	34.856	
170	34.242	34.295	
200	32.991	33.004	
230	32.763	32.772	
Fines Collector 1	21.233	[redacted]	[redacted]
Fines Collector 2	21.231	[redacted]	[redacted]
Fines Collector 3	21.232	21.251	
Sum total	[redacted]	[redacted]	

Grain-size a
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Project: Cedar Isl ıch

Page : _____

Sample No: CIB-C12-022 Co ıt.: 6.151
Sampling Date: 10/9/10 t.: 19.159
Analysis Date: 11/18/10 S t.: _____

Standard Sieve	TARE Weight	Weight ıng	Sample Weight
18	46.317	46.480	
20	43.207	43.250	
25	45.625	45.741	
30	43.166	43.270	
35	41.523	41.855	
40	39.606	40.058	
45	38.760	39.889	
50	39.040	40.829	
60	37.806	40.690	
70	35.983	38.559	
80	36.346	38.171	
100	34.302	35.206	
120	35.325	35.782	
140	34.676	34.879	
170	34.245	34.290	
200	32.994	33.000	
230	32.764	32.765	
Fines Collector 1	21.235	[illegible]	[illegible]
Fines Collector 2	21.230	[illegible]	[illegible]
Fines Collector 3	21.233	21.336	
Sum total	[illegible]	[illegible]	

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Project: Cedar Is ch

Page : _____

Sample No: CIB-C12-026 Co t.: 6.155
Sampling Date: 10/9/10 t.: 18.955
Analysis Date: 11/18/10 S t.: _____

Standard Sieve	TARE Weight	Weight	Sample Weight
18	46.315	46.387	
20	43.206	43.250	
25	45.626	45.703	
30	43.165	43.286	
35	41.529	41.831	
40	39.605	39.996	
45	38.762	39.754	
50	39.057	40.641	
60	37.779	40.358	
70	35.972	38.278	
80	36.346	37.944	
100	34.281	35.129	
120	35.320	35.736	
140	34.668	34.841	
170	34.238	34.281	
200	32.986	32.995	
230	32.758	32.761	
Fines Collector 1	21.228		
Fines Collector 2	21.228		
Fines Collector 3	21.227	21.231	
Sum total			

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Project: Ced

Page : _____

Sample No: CIB-C12-C30
Sampling Date: 10/9/10
Analysis Date: 11/18/10

6.150
20.399

Standard Sieve	TARE Weight	W	Sample Weight
18	46.314	46.474	
20	43.204	43.249	
25	45.624	45.722	
30	43.159	43.282	
35	41.526	41.866	
40	39.609	40.042	
45	38.765	39.773	
50	39.050	40.631	
60	37.805	40.349	
70	35.995	38.577	
80	36.335	38.647	
100	34292	35.775	
120	35.321	36.213	
140	34.669	35.081	
170	34.240	34.331	
200	32.989	33.006	
230	32.758	32.765	
Fines Collector 1	21.226		[redacted]
Fines Collector 2	21.227		[redacted]
Fines Collector 3	21.227	21.231	
Sum total	[redacted]		

miscellaneous

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Project: Ce

Page : _____

Sample No: CTB-C12-034 : 6.150
Sampling Date: 10/9/16 17.716
Analysis Date: 11/19/10 :

Standard Sieve	TARE Weight		Sample Weight
18	46.311	46.338	
20	43.200	43.217	
25	45.621	45.662	
30	43.156	43.207	
35	41.521	41.678	
40	39.608	39.718	
45	38.777	39.214	
50	39.056	39.818	
60	37.816	39.349	
70	36.016	38.071	
80	36.361	38.760	
100	34.310	36.133	
120	35.337	36.605	
140	34.670	35.303	
170	34.238	34.358	
200	32.985	33.010	
230	32.757	32.764	
Fines Collector 1	21.231		[redacted]
Fines Collector 2	21.228		[redacted]
Fines Collector 3	21.230	21.233	
Sum total	[redacted]		

nice and heavy

Grain-
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Project: Ce

Page : _____

Sample No: CIB-C12-058 | 6.150
Sampling Date: 10/9/10 | 16.298
Analysis Date: 11/9/10

Standard Sieve	TARE Weight		Sample Weight	
18	46.311	46.440		couple med shell pieces
20	43.201	43.214		
25	45.619	45.689		
30	43.152	43.246		
35	41.524	41.781		
40	39.690	39.918		
45	38.773	39.521		
50	39.068	40.161		
60	37.814	39.660		
70	36.013	37.957		
80	36.367	38.043		
100	34.331	35.337		
120	35.351	35.906		
140	34.681	34.952		micaceous heavies
170	34.240	34.306		
200	32.986	33.002		
230	32.754	32.763		
Fines Collector 1	21.227	[redacted]	[redacted]	
Fines Collector 2	21.225	[redacted]	[redacted]	
Fines Collector 3	21.224	21.232		
Sum total	[redacted]	[redacted]		

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-042
Sampling Date: 10/9/16
Analysis Date: 11/9/20

Container wt.: 6.152
Total wt.: 19.927
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.310	46.386	
20	43.201	43.233	
25	45.621	45.674	
30	43.155	43.225	
35	41.524	41.715	
40	39.605	39.839	
45	38.779	39.347	
50	39.053	39.994	
60	37.828	39.843	
70	35.993	38.866	
80	36.358	39.304	
100	34.327	36.136	
120	35.338	36.416	
140	34.677	35.250	
170	34.237	34.383	
200	32.987	33.017	
230	32.755	32.764	
Fines Collector 1	21.280	[redacted]	[redacted]
Fines Collector 2	21.224	[redacted]	[redacted]
Fines Collector 3	21.224	21.228	
Sum total	[redacted]	[redacted]	

Uncertainty to be carried

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-046
Sampling Date: 10/9/10
Analysis Date: 11/19/10

Container wt.: 6.149
Total wt.: 17.403
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.306	46.316	
20	43.200	43.211	
25	45.617	45.653	
30	43.154	43.207	
35	41.519	41.655	
40	39.598	39.757	
45	38.771	39.189	
50	39.041	39.617	
60	37.828	39.211	
70	36.025	38.220	
80	36.366	38.902	
100	34.329	36.137	
120	35.346	36.540	
140	34.667	35.271	
170	34.233	34.374	
200	32.983	33.015	
230	32.749	32.767	
Fines Collector 1	21.223	[illegible]	[illegible]
Fines Collector 2	21.225	[illegible]	[illegible]
Fines Collector 3	21.224	21.228	
Sum total	[illegible]	[illegible]	

missing weight

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-050 Container wt.: 6.150
Sampling Date: 10/9/10 Total wt.: 17.645
Analysis Date: 11/19/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.306	46.364	
20	43.198	43.217	
25	45.617	45.663	
30	43.157	43.212	
35	41.518	41.685	
40	39.599	39.802	
45	38.765	39.304	
50	39.042	39.970	
60	37.815	39.693	
70	36.014	38.393	
80	36.368	38.660	
100	34.345	35.779	
120	35.340	36.211	
140	34.676	35.106	
170	34.235	34.329	
200	32.982	33.001	
230	32.752	32.759	
Fines Collector 1	21.225	[illegible]	[illegible]
Fines Collector 2	21.222	[illegible]	[illegible]
Fines Collector 3	21.227	21.227	
Sum total	[illegible]	[illegible]	

coyote shell and shell flakes

[illegible] heavier

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-054 Container wt.: 6.148
Sampling Date: 10/9/16 Total wt.: 22.280
Analysis Date: 11/19/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.384	46.635	
20	43.196	43.304	
25	45.618	45.787	
30	43.152	43.347	
35	41.515	42.086	
40	39.596	40.278	
45	38.756	40.413	
50	39.030	41.574	
60	37.803	41.752	
70	35.983	39.002	
80	36.367	38.107	
100	34.353	35.076	
120	35.341	35.611	
140	34.677	34.756	
170	34.234	34.250	
200	32.981	32.981	
230	32.748	32.748	
Fines Collector 1	21.229	[redacted]	[redacted]
Fines Collector 2	21.222	[redacted]	[redacted]
Fines Collector 3	21.223	21.226	
Sum total	[redacted]	[redacted]	

coarse med shell flakes

visually heavier

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-058 Container wt.: 6.150
Sampling Date: 10/9/10 Total wt.: 17.706
Analysis Date: 11/19/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.301	46.379	
20	43.196	43.224	
25	45.618	45.676	
30	43.150	43.214	
35	41.524	41.707	
40	39.614	39.828	
45	38.797	39.396	
50	39.064	40.280	
60	37.834	40.476	
70	36.009	38.856	
80	36.372	38.429	
100	34.324	35.285	
120	35.330	35.733	
140	34.664	34.803	
170	34.229	34.267	
200	32.978	32.992	
230	32.747	32.758	
Fines Collector 1	21.224	[redacted]	[redacted]
Fines Collector 2	21.226	[redacted]	[redacted]
Fines Collector 3	21.227	21.230	
Sum total	[redacted]	[redacted]	

[redacted] received

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIR-CI2-062
Sampling Date: 10/9/10
Analysis Date: 11/19/10

Container wt.: 6.148
Total wt.: 18.387
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.304	46.422	
20	43.195	43.231	
25	45.617	45.660	
30	43.153	43.166	
35	41.525	41.559	
40	39.605	39.646	
45	39.786	39.900	
50	39.072	39.462	
60	37.844	39.240	
70	36.021	38.277	
80	36.379	39.181	
100	34.322	36.574	
120	35.328	37.108	
140	34.665	35.349	
170	34.234	34.330	
200	32.981	33.000	
230	32.752	32.758	
Fines Collector 1	21.225	[redacted]	[redacted]
Fines Collector 2	21.226	[redacted]	[redacted]
Fines Collector 3	21.226	21.231	
Sum total	[redacted]	[redacted]	

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Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-666
Sampling Date: 10/9/16
Analysis Date: 11/19/16

Container wt.: 6.150
Total wt.: 19.182
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.307	46.623	
20	43.199	43.281	
25	45.623	45.768	
30	43.148	43.280	
35	41.521	41.865	
40	39.597	40.001	
45	38.772	39.599	
50	39.052	40.241	
60	37.813	39.870	
70	36.018	38.269	
80	36.369	38.365	
100	34.338	35.667	
120	35.341	36.449	
140	34.670	35.251	
170	34.229	34.360	
200	32.979	33.009	
230	32.748	32.764	
Fines Collector 1	21.221	[illegible]	[illegible]
Fines Collector 2	21.224	[illegible]	[illegible]
Fines Collector 3	21.224	21.247	
Sum total	[illegible]	[illegible]	

[illegible]

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-070
Sampling Date: 10/01/10
Analysis Date: 11/29/10

Container wt.: 6.158
Total wt.: 20.163
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.306	46.415	
20	43.197	43.225	
25	45.625	45.734	
30	43.152	43.308	
35	41.521	41.956	
40	39.604	40.092	
45	38.771	39.828	
50	39.051	40.509	
60	37.821	40.035	
70	36.015	38.189	
80	36.363	38.549	
100	34.328	35.963	
120	35.354	36.473	
140	34.673	35.205	
170	34.232	34.347	
200	32.981	33.012	
230	32.752	32.772	
Fines Collector 1	21.230		
Fines Collector 2	21.229		
Fines Collector 3	21.234	21.259	
Sum total			

increasing heavies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-074 Container wt.: 6.150
Sampling Date: 10/9/10 Total wt.: 16.881
Analysis Date: 11/20/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.390	46.815	
20	43.194	43.249	
25	45.622	45.730	
30	43.150	43.285	
35	41.524	41.855	
40	39.612	40.000	
45	38.785	39.637	
50	39.058	40.199	
60	37.808	39.343	
70	36.900	37.438	
80	36.355	37.810	
100	34.324	35.609	
120	35.345	36.281	
140	34.663	35.078	
170	34.230	34.294	
200	32.978	32.993	
230	32.750	32.758	
Fines Collector 1	21.227		
Fines Collector 2	21.224		
Fines Collector 3	21.230	21.236	
Sum total			

med sand
shell frag

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-078 Container wt.: 6.149
Sampling Date: 10/9/10 Total wt.: 20.220
Analysis Date: 11/20/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.303	46.706	
20	43.196	43.256	
25	45.624	45.764	
30	43.153	43.340	
35	41.522	42.061	
40	39.605	40.321	
45	38.770	40.356	
50	39.050	41.155	
60	37.819	40.392	
70	36.034	38.057	
80	36.368	37.859	
100	34.341	35.406	
120	35.358	36.035	
140	34.676	34.963	
170	34.235	34.282	
200	32.984	32.995	
230	32.755	32.760	
Fines Collector 1	21.233		
Fines Collector 2	21.229		
Fines Collector 3	21.228	21.243	
Sum total			

med + sml shell frag

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-082 Container wt.: 6.151
Sampling Date: 10/9/10 Total wt.: 17.989
Analysis Date: 11/20/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.302	46.437	
20	43.198	43.212	
25	45.678	45.689	
30	43.151	43.247	
35	41.527	41.869	
40	39.614	40.158	
45	38.789	40.200	
50	39.060	41.191	
60	37.811	40.574	
70	35.985	38.020	
80	36.358	37.671	
100	34.325	34.961	
120	35.353	35.590	
140	34.663	34.740	
170	34.226	34.242	
200	32.977	32.982	
230	32.749	32.751	
Fines Collector 1	21.221		
Fines Collector 2	21.222		
Fines Collector 3	21.223	21.229	
Sum total			

some med/
small shell fr

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-086 Container wt.: 6.146
Sampling Date: 10/9/10 Total wt.: 20.514
Analysis Date: 11/20/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.302	46.615	
20	43.194	43.264	
25	45.615	45.759	
30	43.152	43.367	
35	41.527	42.122	
40	39.623	40.375	
45	38.790	40.370	
50	39.054	41.118	
60	37.810	40.656	
70	35.980	38.379	
80	36.348	38.172	
100	34.300	35.287	
120	35.336	35.717	
140	34.660	34.763	
170	34.230	34.247	
200	32.979	32.982	
230	32.750	32.751	
Fines Collector 1	21.226	[redacted]	[redacted]
Fines Collector 2	21.226	[redacted]	[redacted]
Fines Collector 3	21.225	21.23[redacted]	
Sum total	[redacted]	[redacted]	

med shell frag

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-090 Container wt.: 6.147
Sampling Date: 10/9/10 Total wt.: 16.319
Analysis Date: 11/20/16 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.305	46.357	
20	43.195	43.215	
25	45.619	45.687	
30	43.151	43.236	
35	41.526	41.782	
40	39.629	39.956	
45	38.779	39.575	
50	39.057	40.250	
60	37.801	39.870	
70	35.983	38.036	
80	36.353	38.668	
100	34.313	35.269	
120	35.332	35.689	
140	34.659	34.754	
170	34.231	34.243	
200	32.983	32.982	
230	32.751	32.746	
Fines Collector 1	21.229		
Fines Collector 2	21.223		
Fines Collector 3	21.224	21.227	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB - C12 094 Container wt.: 6.146
Sampling Date: 10/9/10 Total wt.: 15.737
Analysis Date: 11/20/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.297	46.502	
20	43.187	43.257	
25	45.616	45.749	
30	43.143	43.309	
35	41.504	41.941	
40	39.616	40.068	
45	38.770	39.611	
50	39.045	40.182	
60	37.804	39.549	
70	35.983	37.707	
80	36.346	37.770	
100	34.306	35.142	
120	35.325	36.647	
140	34.656	34.743	
170	34.224	34.241	
200	32.978	32.982	
230	32.749	32.749	
Fines Collector 1	21.224		
Fines Collector 2	21.225		
Fines Collector 3	21.228	21.231	
Sum total			

sand + held fine.

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB - C12 - 098 Container wt.: 6.151
Sampling Date: 10/9/10 Total wt.: 17.760
Analysis Date: 11/20/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.302	46.663	
20	43.188	43.236	
25	45.614	45.740	
30	43.147	43.338	
35	41.529	42.206	
40	39.621	40.079	
45	38.777	39.671	
50	39.047	40.234	
60	37.804	39.799	
70	35.984	38.186	
80	36.349	38.240	
100	34.310	35.437	
120	35.326	35.803	
140	34.657	34.785	
170	34.228	34.245	
200	32.975	32.978	
230	32.747	32.749	
Fines Collector 1	21.226		
Fines Collector 2	21.228		
Fines Collector 3	21.226	21.226	
Sum total			

med/sml shell frag

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-102
Sampling Date: 10/9/10
Analysis Date: 11/20/10

Container wt.: 6.146
Total wt.: 17.537
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.307	46.397	
20	43.195	43.225	
25	45.620	45.677	
30	43.151	43.251	
35	41.533	41.779	
40	39.625	39.927	
45	38.787	39.485	
50	39.059	40.182	
60	37.809	39.970	
70	35.989	38.434	
80	36.349	38.517	
100	34.308	35.525	
120	35.327	35.834	
140	34.658	34.801	
170	34.225	34.350	
200	32.978	32.982	
230	32.747	32.750	
Fines Collector 1	21.226		
Fines Collector 2	21.228		
Fines Collector 3	21.226	21.230	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-106
Sampling Date: 10/9/10
Analysis Date: 11/20/10

Container wt.: 6.147
Total wt.: 17.603
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.308	46.326	
20	43.194	43.215	
25	45.616	45.644	
30	43.145	43.182	
35	41.572	41.615	
40	39.615	39.746	
45	38.780	39.141	
50	39.067	39.813	
60	37.827	39.806	
70	36.073	38.768	
80	36.365	39.165	
100	34.316	35.870	
120	35.322	35.443	
140	34.656	34.833	
170	34.224	34.253	
200	32.975	32.982	
230	32.746	32.753	
Fines Collector 1	21.226		
Fines Collector 2	21.226		
Fines Collector 3	21.228	21.231	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-110 Container wt.: 6.148
Sampling Date: 10/9/10 Total wt.: 16.001
Analysis Date: 11/21/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.299	46.326	
20	43.189	43.~~186~~197	
25	45.613	45.621	
30	42.152	42.157	
35	41.524	41.542	
40	39.616	39.654	
45	38.788	38.914	
50	39.069	39.475	
60	37.859	39.254	
70	36.075	38.276	
80	36.400	39.049	
100	34.328	36.685	
120	35.334	36.177	
140	34.658	34.915	
170	34.230	34.268	
200	32.980	32.988	
230	32.749	32.752	
Fines Collector 1	21.233		
Fines Collector 2	21.229		
Fines Collector 3	21.229	21.234	
Sum total			

inverse

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-114
Sampling Date: 10/9/10
Analysis Date: 11/21/10

Container wt.: 6.150
Total wt.: 18.532
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.301	46.517	
20	43.190	43.241	
25	45.602	45.702	
30	42.151	43.244	
35	41.521	41.665	
40	39.611	39.743	
45	38.781	39.083	
50	39.052	39.706	
60	37.808	39.658	
70	36.016	38.807	
80	36.389	39.482	
100	34.344	36.110	
120	35.348	36.186	
140	34.660	34.905	
170	34.230	34.261	
200	32.979	32.982	
230	32.750	32.758	
Fines Collector 1	21.231		
Fines Collector 2	21.231		
Fines Collector 3	21.231	21.271	
Sum total			

sml shell frags

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CI2-CI2-118
Sampling Date: 10/9/16
Analysis Date: 11/21/16

Container wt.: 6.155
Total wt.: 16.580
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.298	46.427	
20	43.191	43.216	
25	45.612	45.646	
30	43.154	43.177	
35	41.520	41.567	
40	39.609	39.641	
45	38.781	38.843	
50	39.048	39.156	
60	37.811	38.167	
70	36.003	37.062	
80	36.385	36.690	
100	34.352	37.068	
120	35.334	37.601	
140	34.657	35.655	
170	34.225	34.394	
200	32.975	33.015	
230	32.744	32.770	
Fines Collector 1	21.224	[redacted]	[redacted]
Fines Collector 2	21.224	[redacted]	[redacted]
Fines Collector 3	21.229	21.247	
Sum total	[redacted]	[redacted]	

med. shell frags

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CI-C12-122 Container wt.: 6.149
Sampling Date: 10/9/10 Total wt.: 15.746
Analysis Date: 11/24/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.296	46.480	
20	43.189	43.239	
25	45.669	45.663	
30	43.153	43.199	
35	41.520	41.600	
40	39.607	39.687	
45	38.766	38.908	
50	39.040	39.246	
60	37.790	38.244	
70	35.983	36.831	
80	36.388	37.981	
100	34.347	36.543	
120	35.348	37.554	
140	34.668	35.734	
170	34.230	34.426	
200	32.977	33.032	
230	32.746	32.784	
Fines Collector 1	21.233	[redacted]	[redacted]
Fines Collector 2	21.227	[redacted]	[redacted]
Fines Collector 3	21.227	21.269	
Sum total	[redacted]	[redacted]	

small shell frags

missing liquid

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-126 Container wt.: 6.148
Sampling Date: 10/9/10 Total wt.: 15.040
Analysis Date: 11/21/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.295	47.097	
20	43.189	43.301	
25	45.640	45.823	
30	43.147	43.319	
35	41.514	41.800	
40	39.596	39.847	
45	38.749	39.167	
50	39.027	39.575	
60	37.714	38.755	
70	35.961	37.179	
80	36.373	37765	
100	34.375	35.582	
120	35.371	36.198	
140	34.673	35.014	
170	34.235	34.302	
200	32.982	32.999	
230	32.751	32.759	
Fines Collector 1	21.228		
Fines Collector 2	21.224		
Fines Collector 3	21.227	21.244	
Sum total			

Data not shit for us

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-13C
Sampling Date: 10/9/10
Analysis Date: 11/21/10

Container wt.: 6.150
Total wt.: 16.661
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.311	48.201	
20	43.188	43.362	
25	45.608	45.949	
30	42.148	42.429	
35	41.514	42.039	
40	39.596	40.031	
45	38.745	39.505	
50	39.027	40.007	
60	37.773	39.330	
70	35.959	37.359	
80	36.353	~~43.449~~	37.321
100	34.332	~~41.514~~	34.972
120	35.345	~~39.602~~	35.681
140	34.665	~~34.779~~	34.803
170	34.232	34.265	
200	32.976	32.988	
230	32.746	32.758	
Fines Collector 1	21.227		
Fines Collector 2	21.224		
Fines Collector 3	21.224	21.237	
Sum total			

Lots of mud / small shells

incoming fine sand

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-134 Container wt.: 6.151
Sampling Date: 10/9/10 Total wt.: 17.074
Analysis Date: 11/2/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.319	47.087	
20	48.189	43.282	
25	45.612	46.733	
30	42.149	43.286	
35	41.514	41.752	
40	39.602	39.831	
45	38.746	39.254	
50	39.027	39.825	
60	37.775	39.162	
70	35.950	37.250	
80	36.339	37.424	
100	34.316	35.287	
120	35.338	36.940	
140	34.659	35.917	
170	34.224	34.490	
200	32.978	33.016	
230	32.749	32.760	
Fines Collector 1	21.225		
Fines Collector 2	21.224		
Fines Collector 3	21.229	21.241	
Sum total			

Qty of net shell frags

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-138 Container wt.: 6.151
Sampling Date: 10/9/10 Total wt.: 18.421
Analysis Date: 11/22/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.314	46.463	
20	43.195	43.217	
25	45.614	45.655	
30	43.158	43.225	
35	41.525	41.763	
40	39.610	39.981	
45	38.753	39.775	
50	39.034	40.534	
60	37.779	39.616	
70	35.954	37.155	
80	36.344	37.256	
100	34.330	35.453	
120	35.361	37.224	
140	34.682	36.183	
170	34.236	34.554	
200	32.982	33.032	
230	32.754	32.766	
Fines Collector 1	21.236	[illegible]	[illegible]
Fines Collector 2	21.232	[illegible]	[illegible]
Fines Collector 3	21.231	21.242	
Sum total	[illegible]	[illegible]	

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-CL2-142
Sampling Date: 10/9/10
Analysis Date: 11/22/10

Container wt.: 6.150
Total wt.: 18.889
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.312	46.357	
20	43.193	43.219	
25	45.614	45.651	
30	43.159	43.180	
35	41.527	41.675	
40	39.618	39.871	
45	38.762	39.564	
50	39.049	40.366	
60	37.805	39.664	
70	35.958	37.480	
80	36.348	37.508	
100	34.345	35.608	
120	35.401	37.399	
140	34.706	36.458	
170	34.240	34.695	
200	32.984	33.045	
230	32.752	32.766	
Fines Collector 1	21.234		
Fines Collector 2	21.234		
Fines Collector 3	21.232	21.243	
Sum total			

Grain-s[illegible] analysis
Data [illegible]eets
Project: Ced[illegible] Island Breach

Page : _____

Sample No: CIB-C12-146
Sampling Date: 10/9/10
Analysis Date: 11/22/10

[illegible]ntainer wt.: 6,149
Total wt.: 17.771
Sample wt.: _____

Standard Sieve	TARE Weight	[illegible] after sieving	Sample Weight
18	46.307	46.549	
20	43.188	42.227	
25	45.613	45.725	
30	43.157	43.276	
35	41.523	41.812	
40	39.612	39.929	
45	38,766	39.392	
50	39.047	39.931	
60	37.806	39.069	
70	35.973	37.065	
80	36.349	37.343	
100	34.334	35.495	
120	35.381	37.256	
140	34.723	36.598	
170	34.244	34.758	
200	32.986	33.060	
230	32.754	32.767	
Fines Collector 1	21.234		
Fines Collector 2	21.232		
Fines Collector 3	21.232	21.241	
Sum total			

Hey a some
Sibl theli[illegible]

[illegible]

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-150
Sampling Date: 10/9/10
Analysis Date: 11/22/10

Container wt.: 6.148
Total wt.: 17.564
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.313	46.958	
20	43.195	43.376	
25	45.619	46.015	
30	43.155	43.683	
35	41.525	42.798	
40	39.614	40.984	
45	38.757	40.994	
50	39.038	40.835	
60	37.713	39.227	
70	35.960	36.639	
80	36.337	36.698	
100	34.349	34.593	
120	35.399	35.565	
140	34.739	34.806	
170	34.246	34.360	
200	32.918	32.989	
230	32.750	32.753	
Fines Collector 1	21.236		
Fines Collector 2	21.229		
Fines Collector 3	21.232	21.238	
Sum total			

Mud shell fragments

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-104
Sampling Date: 10/9/10
Analysis Date: 11/22/10

Container wt.: 6.150
Total wt.: 17.059
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.309	47.061	
20	43.190	43.316	
25	45.619	45.886	
30	43.157	43.461	
35	41.545	42.236	
40	39.629	40.247	
45	38.713	39.720	
50	39.054	39.926	
60	37.795	38.988	
70	35.949	37.160	
80	36.334	37.305	
100	34.318	35.275	
120	35.366	36.518	
140	34.104	35.393	
170	39.239	39.354	
200	32.984	33.005	
230	32.753	32.763	
Fines Collector 1	21.232		
Fines Collector 2	21.232		
Fines Collector 3	21.234	21.243	
Sum total			

Lots of med shell frags

Mostly sand

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-158
Sampling Date: 10/9/10
Analysis Date: 11/22/10

Container wt.: 6.150
Total wt.: 16.619
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.320	46.485	
20	43.195	43.211	
25	45.619	45.659	
30	43.159	43.205	
35	41.552	41.673	
40	39.630	39.738	
45	38.771	38.976	
50	39.047	39.443	
60	37.793	39.047	
70	35.968	37.777	
80	36.339	37.940	
100	34.330	35.826	
120	35.375	37.212	
140	34.705	35.853	
170	34.236	34.424	
200	32.981	33.012	
230	32.758	32.760	
Fines Collector 1	21.230		
Fines Collector 2	21.224		
Fines Collector 3	21.234	21.242	
Sum total			

Gravel not sent with fines

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CI3-C12-162
Sampling Date: 10/9/10
Analysis Date: 11/22/10

Container wt.: 6.146
Total wt.: 18.831
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.312	46.482	
20	43.189	43.226	
25	45.616	45.713	
30	43.159	43.257	
35	41.541	41.791	
40	39.627	39.889	
45	38.765	39.199	
50	39.040	39.547	
60	37.799	38.819	
70	35.979	37.519	
80	36.344	38.231	
100	34.337	36.357	
120	35.370	37.896	
140	34.766	36.240	
170	34.240	34.499	
200	32.984	33.031	
230	32.753	32.766	
Fines Collector 1	21.234		
Fines Collector 2	21.231		
Fines Collector 3	21.230	21.247	
Sum total			

Small Shell frag

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-166
Sampling Date: 10/9/10
Analysis Date: 11/22/10

Container wt.: 6.151
Total wt.: 20.885
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.310	46.394	
20	43.190	43.221	
25	45.619	45.670	
30	43.157	43.182	
35	41.541	41.619	
40	39.628	39.728	
45	38.763	39.009	
50	39.048	39.464	
60	37.794	38.695	
70	35.973	37.286	
80	36.343	38.282	
100	34.334	37.309	
120	35.403	39.231	
140	34.736	36.846	
170	34.237	34.616	
200	32.979	33.064	
230	32.747	32.797	
Fines Collector 1	21.234	[redacted]	[redacted]
Fines Collector 2	2.234	[redacted]	[redacted]
Fines Collector 3	21.253	21.269	
Sum total	[redacted]	[redacted]	

med/small shell frags

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-170 Container wt.: 6.150
Sampling Date: 10/9/10 Total wt.: 20.46 C
Analysis Date: 11/22/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.314	46.337	
20	43.188	43.197	
25	45.619	45.625	
30	43.156	43.163	
35	41.535	41.557	
40	39.623	39.664	
45	38.761	38.932	
50	39.048	39.648	
60	37.794	39.996	
70	35.980	39.090	
80	36.346	39.515	
100	34.368	36.588	
120	35.413	37.053	
140	34.736	35.529	
170	34.242	34.429	
200	32.984	33.031	
230	32.752	32.768	
Fines Collector 1	21.239		
Fines Collector 2	21.232		
Fines Collector 3	21.233	21.243	
Sum total			

inversion to avoid

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-TY
Sampling Date: 10/9/10
Analysis Date: 11/20/10

Container wt.: 6,151
Total wt.: 18.995
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.311	46.345	
20	43.190	43.205	
25	45.617	45.633	
30	43.158	43.175	
35	41.532	41.568	
40	39.621	39.676	
45	38.761	38.956	
50	39.053	39.606	
60	37.826	39.629	
70	36.025	28.617	
80	36.358	39.004	
100	34.352	36.533	
120	35.409	37.082	
140	34.725	35.466	
170	34.233	34.267	
200	32.979	33.007	
230	32.751	32.759	
Fines Collector 1	21.235		
Fines Collector 2	21.233		
Fines Collector 3	21.234	21.239	
Sum total			

ignoring this one

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: OTP-CI2-178 Container wt.: 6.148
Sampling Date: 10/9/10 Total wt.: 26.688
Analysis Date: 11/22/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.317	47.785	
20	42.189	43.310	
25	45.616	45.854	
30	43.163	43.382	
35	41.532	42.024	
40	39.621	40.007	
45	38.759	39.315	
50	39.058	39.841	
60	37.817	39.474	
70	36.039	37.886	
80	36.378	38.118	
100	34.317	35.985	
120	35.405	37.235	
140	34.732	35.928	
170	34.236	34.484	
200	32.983	33.036	
230	32.748	32.778	
Fines Collector 1	21.231		
Fines Collector 2	21.234		
Fines Collector 3	21.236	21.268	
Sum total			

lots of Mud & Sand shell frag

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-182 Container wt.: 6.151
Sampling Date: 10/9/10 Total wt.: 18.468
Analysis Date: 11/22/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.311	46.522	
20	43.191	43.236	
25	45.623	45.747	
30	43.161	43.328	
35	41.539	42.065	
40	39.621	40.204	
45	38.761	39.647	
50	39.052	39.813	
60	37.814	38.712	
70	36.010	36.945	
80	36.364	37.570	
100	34.261	35.493	
120	35.395	37.655	
140	34.725	36.341	
170	34.231	34.558	
200	32.984	33.033	
230	32.750	32.771	
Fines Collector 1	21.237		
Fines Collector 2	21.236		
Fines Collector 3	21.236	21.260	
Sum total			

sand & shell frags

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-186 Container wt.: 6.150
Sampling Date: 10/9/10 Total wt.: 17.879
Analysis Date: 11/22/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.316	46.533	
20	43.196	43.238	
25	45.626	45.701	
30	43.162	43.258	
35	41.543	41.792	
40	39.633	39.866	
45	38.771	39.076	
50	39.050	39.340	
60	37.804	38.218	
70	36.008	36.604	
80	36.367	37.426	
100	34.377	36.407	
120	35.411	38.701	
140	34.739	36.995	
170	34.239	34.626	
200	32.985	33.039	
230	32.751	32.769	
Fines Collector 1	21.232		
Fines Collector 2	21.234		
Fines Collector 3	21.234	21.252	
Sum total			

fine sand, some
Sand shell frag

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C12-190 Container wt.: 6.150
Sampling Date: 10/9/10 Total wt.: 18.709
Analysis Date: 11/22/10 Sample wt.: _____

MICA ?

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.308	46.790	
20	43.189	43.253	
25	45.624	45.719	
30	43.157	113.220	
35	41.540	41.613	
40	39.623	39.825	
45	38.767	39.224	
50	39.045	39.646	
60	37.800	38.797	
70	35.991	37.252	
80	36.363	37.999	
100	34.388	36.434	
120	35.420	37.944	
140	34.758	36.303	
170	34.246	34.537	
200	32.985	33.040	
230	32.754	32.779	
Fines Collector 1	21.236		
Fines Collector 2	21.235		
Fines Collector 3	21.233	21.265	
Sum total			

sand/mud shell/gravel?

MICA ?

clicking board

Vibracore C13

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C13-002 Container wt.: 6.152
Sampling Date: 10/9/10 Total wt.: 15.750
Analysis Date: 1/30/11 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.251	46.274	
20	43.141	43.147	
25	45.564	45.596	
30	43.088	43.117	
35	41.467	41.624	
40	39.544	39.822	
45	38.866	39.438	
50	38.952	40.181	
60	37.705	39.847	
70	35.883	37.928	
80	36.249	37.704	
100	34.211	34.999	
120	35.267	35.616	
140	34.602	34.753	
170	34.161	34.207	
200	32.921	32.930	
230	32.689	32.701	
Fines Collector 1	21.233		
Fines Collector 2	21.240		
Fines Collector 3	21.233	21.255	
Sum total			

increasing

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C13-006
Sampling Date: 10/9/10
Analysis Date: 1/30/11

Container wt.: 6.155
Total wt.: 15.756
Sample wt.: _____

1 large shell ~3 cm x 2 cm

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.250	46.293	
20	43.139	43.147	
25	45.561	45.583	
30	43.087	43.114	
35	41.463	41.574	
40	39.536	39.728	
45	38.664	39.254	
50	38.955	40.019	
60	37.718	39.811	
70	35.876	38.115	
80	36.251	37.890	
100	34.219	35.110	
120	35.266	35.657	
140	34.598	34.776	
170	34.163	34.220	
200	32.917	32.936	
230	32.687	32.696	
Fines Collector 1	21.233		
Fines Collector 2	21.233		
Fines Collector 3	21.241	21.245	
Sum total			

increasing weight

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C13-010
Sampling Date: 10/9/10
Analysis Date: 1/20/11

Container wt.: 6.153
Total wt.: 16.980
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.250	46.291	
20	43.139	43.149	
25	45.564	45.586	
30	43.091	43.114	
35	41.469	41.584	
40	39.542	39.765	
45	38.676	39.340	
50	38.960	40.202	
60	37.721	40.151	
70	35.886	38.405	
80	36.258	38.088	
100	34.215	35.123	
120	35.264	35.652	
140	34.597	34.761	
170	34.162	34.270	
200	32.915	32.930	
230	32.686	32.692	
Fines Collector 1	21.235		
Fines Collector 2	21.229		
Fines Collector 3	21.232	21.243	
Sum total			

increasing heavier

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C13-014
Sampling Date: 10/9/10
Analysis Date: 12/6/10

Container wt.: 6.152
Total wt.: 17.116
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.226	46.276	
20	43.121	43.142	
25	45.520	45.547	
30	43.078	43.109	
35	41.436	41.518	
40	39.514	39.682	
45	38.640	39.173	
50	38.921	40.113	
60	37.663	40.094	
70	35.800	38.284	
80	36.224	37.994	
100	34.178	35.128	
120	35.240	35.813	
140	34.582	34.976	
170	34.154	34.315	
200	32.914	32.952	
230	32.689	32.701	
Fines Collector 1	21.242		
Fines Collector 2	21.235		
Fines Collector 3	21.234	21.250	
Sum total			

inverting the series

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Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C13-018 Container wt.: 6.151
Sampling Date: 10/9/10 Total wt.: 16.035
Analysis Date: 2/6/11 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.226	46.322	
20	43.120	43.155	
25	45.521	45.572	
30	43.077	43.099	
35	41.435	41.534	
40	39.518	39.686	
45	38.646	39.195	
50	38.925	40.049	
60	37.676	39.919	
70	35.815	38.052	
80	36.232	37.808	
100	34.180	34.975	
120	35.241	35.666	
140	34.579	34.861	
170	34.156	34.276	
200	32.915	32.946	
230	32.687	32.698	
Fines Collector 1	21.236		
Fines Collector 2	21.235		
Fines Collector 3	21.235	21.247	
Sum total			

circular weights

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C13-022
Sampling Date: 10/9/10
Analysis Date: 2/6/11

Container wt.: 6.155
Total wt.: 16.690
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.228	46.269	
20	43.121	43.151	
25	45.521	45.568	
30	43.082	43.138	
35	41.443	41.636	
40	39.524	39.863	
45	38.653	39.497	
50	38.940	40.108	
60	37.680	39.427	
70	35.821	37.563	
80	36.237	37.715	
100	34.189	35.229	
120	35.238	36.092	
140	34.579	35.255	
170	34.156	34.339	
200	32.914	32.949	
230	32.685	32.901	
Fines Collector 1	21.233		
Fines Collector 2	21.235		
Fines Collector 3	21.234	21.250	
Sum total			

+ two varies
↓

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CID-C13-026
Sampling Date: 10/9/10
Analysis Date: 2/6/11

Container wt.: 6.150
Total wt.: 18.349
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.228	46.286	
20	43.118	43.136	
25	45.501	45.549	
30	43.085	43.098	
35	41.437	41.463	
40	39.534	39.571	
45	38.654	38.765	
50	38.939	39.202	
60	37.682	38.422	
70	35.819	36.944	
80	36.237	37.704	
100	34.183	36.050	
120	35.245	38.130	
140	34.584	37.206	
170	34.156	34.862	
200	32.911	33.024	
230	32.686	32.721	
Fines Collector 1	21.235		
Fines Collector 2	21.231		
Fines Collector 3	21.238	21.277	
Sum total			

Beavies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-C13-030
Sampling Date: 10/9/10
Analysis Date: 2/6/11

Container wt.: 6.152
Total wt.: 12.7386
Sample wt.: 6.207

Med shell frag

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.230	46925	
20	43.140	43.188	
25	45.525	45.660	
30	43.083	43.199	
35	41.441	41.661	
40	39.524	39.772	
45	38.648	39.192	
50	38.931	39.858	
60	37.672	39.420	
70	35.819	37.703	
80	36.242	37.758	
100	34.196	35,073	
120	35.267	35.831	
140	34.619	34.973	
170	34.170	34.264	
200	32.916	32.933	
230	32.684	32.690	
Fines Collector 1	21.233		
Fines Collector 2	21.236		
Fines Collector 3	21.234	21.241	
Sum total			

Accurics

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-034
Sampling Date: 5/9/10
Analysis Date: 2/12/11

Container wt.: 6.154
Total wt.: 15.794
Sample wt.: _____

moderate ~~sorted~~ sand to med shell frags

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.221	46.408	
20	43.111	43,133	
25	45.514	45,562	
30	43.076	43.125	
35	41.431	41.561	
40	39.515	39.687	
45	38.643	39.182	
50	38.927	40.034	
60	37.677	39.813	
70	35.816	38.012	
80	36.230	37.881	
100	34.183	35.061	
120	35.244	35.567	
140	34.589	34.712	
170	34.159	34.187	
200	32.905	32.912	
230	32.678	32.688	
Fines Collector 1	21.234		
Fines Collector 2	21.232		
Fines Collector 3	21.232	21.238	
Sum total			

beanies
1

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-038
Sampling Date: 10/9/10
Analysis Date: 2/12/11

Container wt.: 6.151
Total wt.: 15.061
Sample wt.: _____

med - large shell frags

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.221	46.650	
20	43.180	43.138	
25	45.515	45.603	
30	43.072	43.149	
35	41.480	41.572	
40	39.518	39.724	
45	38.640	39.211	
50	38.923	39.949	
60	37.685	39.540	
70	35.817	37.721	
80	36.229	37.659	
100	34.182	34.912	
120	35.237	35.530	
140	34.581	34.692	
170	34.155	34.183	
200	32.905	32.912	
230	32.677	32.677	
Fines Collector 1	21.231		
Fines Collector 2	21.231		
Fines Collector 3	21.237	21.237	
Sum total			

heavies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-042
Sampling Date: 10/9/10
Analysis Date: 2/12/11

Container wt.: 6.152
Total wt.: 15.786
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.242	46.253	
20	43.110	43.131	
25	45.518	45.546	
30	43.074	43.078	
35	41.434	41.455	
40	39.525	39.576	
45	38.652	38.856	
50	38.923	39.453	
60	37.691	39.098	
70	35.827	37.989	
80	36.229	38.712	
100	34.184	35.811	
120	35.232	35.917	
140	34.576	34.793	
170	34.149	34.187	
200	32.903	32.911	
230	32.676	33.678	
Fines Collector 1	21.232		
Fines Collector 2	21.229		
Fines Collector 3	21.234	21.239	
Sum total			

beaniel
1

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-046
Sampling Date: 10/9/10
Analysis Date: 2/12/11

Container wt.: 6.148
Total wt.: 15.959
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.216	46.269	
20	43.104	43.125	
25	45.512	45.540	
30	43.065	43.076	
35	41.425	41.447	
40	39.518	39.548	
45	38.637	38.760	
50	38.917	39.248	
60	37.676	38.698	
70	35.828	37.730	
80	36.239	38.786	
100	34.194	36.190	
120	35.240	36.348	
140	34.577	35.045	
170	34.149	34.240	
200	32.903	32.922	
230	32.674	32.683	
Fines Collector 1	21.233		
Fines Collector 2	21.235		
Fines Collector 3	21.234	21.240	
Sum total			

Mcavies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-C6C
Sampling Date: 10/9/10
Analysis Date: 2/12/11

Container wt.: 6.154
Total wt.: 20.337
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.222	46.251	
20	43.108	43.115	
25	45.517	45.534	
30	43.071	43.087	
35	41.427	41.469	
40	39.516	39.579	
45	38.635	38.832	
50	38.916	39.385	
60	37.672	39.004	
70	35.827	37.965	
80	36.252	38.920	
100	34.203	36.720	
120	35.244	37.747	
140	34.578	36.135	
170	34.148	34.526	
200	32.903	32.992	
230	32.675	32.713	
Fines Collector 1	21.232		
Fines Collector 2	21.234		
Fines Collector 3	21.234	21.258	
Sum total			

Heavies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13 - 054
Sampling Date: 10/9/10
Analysis Date: ~~12~~ 12/11

Container wt.: 6.155
Total wt.: 17.207
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.227	46.236	
20	43.110	43.114	
25	45.518	45.525	
30	43.065	43.084	
35	41.425	41.469	
40	39.510	39.584	
45	38.636	38.689	
50	38.911	39.547	
60	37.669	39.291	
70	35.832	38.152	
80	36.248	38.570	
100	34.228	35.801	
120	35.282	36.415	
140	34.598	35.320	
170	34.146	34.316	
200	32.963	32.938	
230	32.673	32.685	
Fines Collector 1	21.231		
Fines Collector 2	21.228		
Fines Collector 3	21.233	21.242	
Sum total			

Incorrect,

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-058
Sampling Date: 10/9/10
Analysis Date: 2/17/11

Container wt.: 6.163
Total wt.: 18.445
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.229	46.337	
20	43.112	43.132	
25	45.518	45.559	
30	43.080	43.118	
35	41.441	41.574	
40	39.524	39.709	
45	38.645	39.158	
50	38.927	39.966	
60	37.689	39.775	
70	35.857	38.423	
80	36.267	38.805	
100	34.223	35.720	
120	35.273	36.159	
140	34.600	35.049	
170	34.155	34.255	
200	32.911	32.933	
230	32.681	32.692	
Fines Collector 1	21.236		
Fines Collector 2	21.235		
Fines Collector 3	21.237	21.248	
Sum total			

Davies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-062
Sampling Date: 10/9/10
Analysis Date: 2/17/11

Container wt.: 6.154
Total wt.: 19.172
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.229	46.260	
20	43.114	43.130	
25	45.518	45.551	
30	43.078	43.125	
35	41.442	41.531	
40	39.525	39.660	
45	38.650	38.995	
50	38.936	39.703	
60	37.691	39.706	
70	35.869	38.744	
80	36.276	39.305	
100	34.217	36.045	
120	35.289	36.352	
140	34.600	35.126	
170	34.159	34.274	
200	32.915	32.938	
230	32.687	32.693	
Fines Collector 1	21.236	[redacted]	[redacted]
Fines Collector 2	21.236	[redacted]	[redacted]
Fines Collector 3	21.236	21.247	
Sum total	[redacted]	[redacted]	

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Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-666
Sampling Date: 10/4/10
Analysis Date: 2/17/11

Container wt.: 6.151
Total wt.: 18.941
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.232	46.255	
20	43.114	43.117	
25	45.533	45.533	
30	43.089	43.089	
35	41.450	41.464	
40	39.539	39.572	
45	38.651	38.828	
50	38.948	39.673	
60	37.710	40.341	
70	35.876	39.467	
80	36.281	39.164	
100	34.228	35.671	
120	35.287	36.052	
140	34.596	34.921	
170	34.151	34.208	
200	32.900	32.919	
230	32.678	32.681	
Fines Collector 1	21.238		
Fines Collector 2	21.232		
Fines Collector 3	21.235	21.239	
Sum total			

heavier

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-070
Sampling Date: 10/9/10
Analysis Date: 2/19/11

Container wt.: 6.150
Total wt.: 20.574
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.238	46.238	
20	43.122	43.126	
25	45.523	45.534	
30	43.082	43.090	
35	41.444	41.459	
40	39.530	39.555	
45	38.645	38.745	
50	38.939	39.378	
60	37.706	39.617	
70	35.870	39.359	
80	36.283	39.942	
100	34.213	36.580	
120	35.276	36.709	
140	34.591	35.337	
170	34.153	34.289	
200	32.913	32.938	
230	32.682	32.691	
Fines Collector 1	21.235		
Fines Collector 2	21.235		
Fines Collector 3	21.241	21.244	
Sum total			

dearies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-074
Sampling Date: 10/9/10
Analysis Date: 2/19/11

Container wt.: 6.150
Total wt.: 19.655
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.236	46.238	
20	43.123	43.124	
25	45.525	45.527	
30	43.088	43.089	
35	41.451	41.453	
40	39.532	39.536	
45	38.647	38.683	
50	38.938	39.166	
60	37.709	39.204	
70	35.878	39.145	
80	36.274	40.006	
100	34.230	36.537	
120	35.275	36.772	
140	34.598	35.325	
170	34.156	34.289	
200	32.914	32.941	
230	32.685	32.691	
Fines Collector 1	21.239		
Fines Collector 2	21.237		
Fines Collector 3	21.237	21.239	
Sum total			

fines

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-078
Sampling Date: 10/9/10
Analysis Date: 2/19/11

Container wt.: 6.152
Total wt.: 18.366
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.237	46.239	
20	43.1[illegible]	43.118	
25	45.528	45.527	
30	43.084	43.089	
35	41.448	41.450	
40	39.527	39.538	
45	38.644	38.685	
50	38.935	39.198	
60	37.713	39.270	
70	35.882	39.203	
80	36.289	39.687	
100	34.241	36.260	
120	35.315	36.376	
140	34.605	35.081	
170	34.157	34.238	
200	32.913	32.929	
230	32.684	32.690	
Fines Collector 1	21.232	[illegible]	[illegible]
Fines Collector 2	21.234	[illegible]	[illegible]
Fines Collector 3	21.232	21.240	
Sum total	[illegible]	[illegible]	

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Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-C82
Sampling Date: 10/9/10
Analysis Date: 2/19/11

Container wt.: 6.150
Total wt.: 19.100
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.286	46.237	
20	43.123	43.126	
25	45.525	45.52[illegible]	
30	43.083	43.087	
35	41.450	41.454	
40	39.526	39.534	
45	38.645	38.676	
50	38.936	39.144	
60	37.[illegible]701	39.203	
70	35.883	39.199	
80	36.288	39.940	
100	34.239	36.433	
120	35.283	36.536	
140	34.595	35.188	
170	34.154	34.273	
200	32.910	32.940	
230	32.683	32.693	
Fines Collector 1	21.235		
Fines Collector 2	21.231		
Fines Collector 3	21.237	21.243	
Sum total			

duplicate

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-086
Sampling Date: 10/9/10
Analysis Date: 2/19/11

Container wt.: 6.149
Total wt.: 20.024
Sample wt.: _____



Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.236	46.248	
20	43.118	43.126	
25	45.523	45.530	
30	43.086	43.085	
35	41.452	41.450	
40	39.525	39.532	
45	38.642	38.677	
50	38.934	39.145	
60	37.696	39.183	
70	35.887	39.122	
80	36.286	40.077	
100	34.270	36.713	
120	35.284	36.824	
140	34.601	35.376	
170	34.156	34.304	
200	32.915	32.938	
230	32.688	32.689	
Fines Collector 1	21.234		
Fines Collector 2	21.237		
Fines Collector 3	21.238	21.240	
Sum total			

Means

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-090
Sampling Date: 10/9/16
Analysis Date: 2/19/11

Container wt.: 6.156
Total wt.: 18.855
Sample wt.: _____

large oyster shell fra... 1½" ... not sieve...

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.239	46.240	
20	43.120	43.124	
25	45.526	45.526	
30	43.083	43.085	
35	41.448	41.449	
40	39.522	39.524	
45	38.639	38.674	
50	38.922	39.176	
60	37.680	39.209	
70	35.894	39.082	
80	36.294	39.755	
100	34.263	36.406	
120	35.291	36.555	
140	34.607	35.199	
170	34.162	34.258	
200	32.915	32.932	
230	32.686	32.690	
Fines Collector 1	21.230	[illegible]	[illegible]
Fines Collector 2	21.232	[illegible]	[illegible]
Fines Collector 3	21.232	21.241	
Sum total	[illegible]	[illegible]	

licarri

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-094
Sampling Date: 10/9/10
Analysis Date: 2/19/11

Container wt.: 6.452
Total wt.: 16.009
Sample wt.: _____

med - lag shell frags

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.232	46.367	
20	43.117	43.123	
25	45.520	45.548	
30	43.082	43.097	
35	41.448	41.486	
40	39.524	39.579	
45	38.638	38.767	
50	38.923	39.267	
60	37.690	39.040	
70	35.884	38.308	
80	36.293	38.730	
100	34.257	35.733	
120	35.290	36.149	
140	34.606	35.016	
170	34.151	34.224	
200	32.909	32.925	
230	32.683	32.688	
Fines Collector 1	21.235		
Fines Collector 2	21.232		
Fines Collector 3	21.232	21.240	
Sum total			

sml shell frags

lg sands

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-098
Sampling Date: 10/9/10
Analysis Date: 2/19/11

Container wt.: 6.152
Total wt.: 18.987
Sample wt.: _____

med - small shell gravel

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.230	46.276	
20	43.116	43.120	
25	45.521	45.523	
30	43.080	43.088	
35	41.444	41.450	
40	39.522	39.529	
45	38.642	38.665	
50	38.925	39.066	
60	37.694	38.769	
70	35.899	38.633	
80	36.292	39.771	
100	34.257	36.705	
120	35.291	37.011	
140	34.604	35.481	
170	34.158	34.280	
200	32.910	32.926	
230	32.682	32.686	
Fines Collector 1	21.237		
Fines Collector 2	21.235		
Fines Collector 3	21.241	21.243	
Sum total			

heavier little / heavier

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-102
Sampling Date: 10/9/10
Analysis Date: 2/19/11

Container wt.: 6.150
Total wt.: 19.486
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.237	46.243	
20	43.117	43.121	
25	45.520	45.529	
30	43.084	43.086	
35	41.444	41.452	
40	39.521	39.527	
45	38.638	38.658	
50	38.925	39.044	
60	37.699	38.529	
70	35.924	38.059	
80	36.334	39.316	
100	34.278	36.910	
120	35.311	37.857	
140	34.610	36.208	
170	34.155	34.465	
200	32.910	32.944	
230	32.681	32.692	
Fines Collector 1	21.232		
Fines Collector 2	21.257		
Fines Collector 3	21.244	21.253	
Sum total			

beavis

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-106
Sampling Date: 10/9/10
Analysis Date: 2/26/11

Container wt.: 6.153
Total wt.: 19.723
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight	
18	46.241	46.243		
20	43.125	43.126		
25	45.530	45.532		
30	43.089	43.095		
35	41.458	41.460		
40	39.531	39.534		
45	38.646	38.665		
50	38.934	39.029		MICA?
60	37.707	38.333		"
70	35.929	37.345		
80	36.342	38.705		~~MICA~~?
100	34.296	37.079		MICA?
120	35.363	38.831		
140	34.631	36.876		
170	34.181	34.556		HEAVIES
200	32.919	32.961		
230	32.688	32.702		
Fines Collector 1	21.243	[redacted]	[redacted]	
Fines Collector 2	21.241	[redacted]	[redacted]	
Fines Collector 3	21.243	21.255		
Sum total	[redacted]	[redacted]		

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-110
Sampling Date: 10/9/10
Analysis Date: 2/26/11

Container wt.: 6.149
Total wt.: ~~22.355~~ 15.920
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight	
18	46.239	46.239		
20	43.122	43.127		
25	45.527	45.536		
30	43 091	43.092		
35	41.455	41.460		
40	39.528	39.532		
45	38.645	38.653		MICA
50	38.928	38.950		"
60	37.695	37.771		"
70	35.871	36.082		"
80	36.321	36.939		"
100	34.306	35.843		"
120	35.389	38.931		
140	34.685	37.695		
170	34.179	34.741		
200	32.916	32.969		heavies
230	32.686	32.698		"
Fines Collector 1	21.241	[redacted]	[redacted]	
Fines Collector 2	21.236	[redacted]	[redacted]	
Fines Collector 3	21.240	21.253		mica
Sum total	[redacted]	[redacted]		

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: C13-[illegible]14
Sampling Date: 10/9/10
Analysis Date: 2/26/11

Container wt.: 6.149
Total wt.: 16.538
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight	
18	46.235	46.239		
20	43.122	43.122		
25	45.528	45.531		
30	43.080	43.091		
35	41.454	41.457		
40	39.528	39.531		
45	38.642	38.659		MICA
50	38.922	38.950		"
60	37.686	37.785		"
70	35.852	36.177		"
80	36.281	37.169		"
100	34.266	36.161		"
120	35.383	38.934		"
140	34.676	37.558		
170	34.172	34.740		
200	32.914	32.969		heavies
230	32.686	32.701		"
Fines Collector 1	21.238	[illegible]	[illegible]	
Fines Collector 2	21.238	[illegible]	[illegible]	
Fines Collector 3	21.240	21.249		MICA
Sum total	[illegible]	[illegible]		

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-118
Sampling Date: 10/9/10
Analysis Date: 2/26/11

Container wt.: 6.149
Total wt.: 19.834
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.236	46.245		
20	43.121	43.125		
25	45.528	45.537		
30	43.088	43.095		
35	41.452	41.460		
40	39.523	39.536		
45	38.639	38.665		
50	38.923	38.975		
60	37.681	37.890	MICA	
70	35.841	36.738	"	
80	36.285	38.672	"	
100	34.272	37.841	"	
120	35.368	39.074	" "	
140	34.673	36.839		
170	34.184	34.610		✓
200	32.921	32.983		✓
230	32.686	32.711		✓
Fines Collector 1	21.236			
Fines Collector 2	21.239			
Fines Collector 3	21.239	21.261	MICA	
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-122
Sampling Date: 10/9/10
Analysis Date: 2/26/11

Container wt.: 6.150
Total wt.: 16.581
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.239	46.251		
20	43.118	43.132		
25	45.529	45.548		
30	43.090	43.100		
35	41.453	41.476		
40	39.523	39.545		
45	38.641	38.682		
50	38.922	39.006	< MICA	
60	37.673	37.951	"	
70	35.846	36.737	"	
80	36.298	38.901	" "	
100	34.296	37.871	" "	
120	35.380	37.412		
140	34.673	35.264		✓
170	34.188	34.290		✓
200	32.923	32.947		✓
230	32.687	32.697		✓
Fines Collector 1	21.238			
Fines Collector 2	21.236			
Fines Collector 3	21.239	21.252		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-126
Sampling Date: 10/9/10
Analysis Date: 3/30/11

Container wt.: 6.151
Total wt.: 19.443
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.270	46.275		
20	43.127	43.141		
25	45.530	45.553		
30	43.086	43.088		
35	41.454	41.465		
40	39.523	39.545		
45	38.689	38.710		
50	38.922	39.104		
60	37.674	38.387		
70	35.849	37.835	mica	
80	34.309	36.136	some mica	
100	34.275	38.031		
120	35.360	37.273		
140	34.640	35.179		✓
170	34.169	34.251		✓
200	32.920	32.935		✓
230	32.686	32.688		✓
Fines Collector 1	21.236			
Fines Collector 2	21.237			
Fines Collector 3	21.238	21.245		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-130
Sampling Date: 10/9/10
Analysis Date: ~~3~~/3/11

Container wt.: 6.148
Total wt.: 18.545
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.238	46.266		
20	43.121	43.132		
25	45.530	45.541		
30	43.084	43.096		
35	41.452	41.464		
40	39.523	39.544		
45	38.638	38.697		
50	38.921	39.098		
60	37.679	38.245	mica sand	
70	35.865	37.186		
80	36.281	38.882		
100	34.285	37.559		
120	35.333	38.124		
140	34.625	35.807		✓
170	34.162	34.372		✓
200	32.910	32.964		✓
230	32.677	32.700		✓
Fines Collector 1	21.236			
Fines Collector 2	21.237			
Fines Collector 3	21.239	21.247	mica	
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-134
Sampling Date: 10/9/10
Analysis Date: 3/3/11

Container wt.: 6.155
Total wt.: 19.073
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.242	46.265		
20	43.125	43.128		
25	45.530	45.541		
30	43.081	43.088		
35	41.451	41.474		
40	39.521	39.564		
45	38.635	38.782		
50	38.919	39.334		
60	37.682	38.858	some mud	
70	35.868	37.735	" "	
80	36.313	39.010		
100	34.315	37.158		
120	35.406	37.709		
140	34.640	35.640		✓
170	34.174	34.327		✓
200	32.916	32.944		
230	32.685	32.689		
Fines Collector 1	21.236	[redacted]	[redacted]	[redacted]
Fines Collector 2	21.237	[redacted]	[redacted]	[redacted]
Fines Collector 3	21.238	21.239		
Sum total	[redacted]	[redacted]		[redacted]

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-138
Sampling Date: 10/9/10
Analysis Date: 3/3/11

Container wt.: 6.158
Total wt.: 17.626
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.240	46.252		
20	43.120	43.125		
25	45.530	45.535		
30	43.078	43.085		
35	41.445	41.454		
40	39.514	39.529		
45	38.633	38.666		
50	38.922	39.009		
60	37.884	37.978		
70	35.871	36.562		
80	36.312	37.725		
100	34.318	37.156		
120	35.378	39.095		
140	34.637	36.457		✓
170	34.164	34.469		✓
200	32.913	32.961		✓
230	32.674	32.715		✓
Fines Collector 1	21.230	[redacted]	[redacted]	[redacted]
Fines Collector 2	21.234	[redacted]	[redacted]	[redacted]
Fines Collector 3	21.234	21.254		
Sum total	[redacted]	[redacted]		[redacted]

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-142
Sampling Date: 10/9/10
Analysis Date: 3/5/11

Container wt.: 6.151
Total wt.: 18.273
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.242	46.260		
20	43.125	43.128		
25	45.533	45.547		
30	43.090	43.095		
35	41.458	41.468		
40	39.528	39.555		
45	38.642	38.746	SOME MICA	
50	38.928	39.315	" "	
60	37.686	38.993	" "	
70	35.873	37.876		
80	36.323	39.018		
100	34.367	36.938	SOME MICA	
120	35.413	37.305		
140	34.645	35.488		
170	34.183	34.305		✓
200	32.922	32.940		✓
230	32.691	32.691		✓
Fines Collector 1	21.242			
Fines Collector 2	21.240			
Fines Collector 3	21.242	21.249		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-146
Sampling Date: 10/9/10
Analysis Date: 3/5/11

Container wt.: 6.149
Total wt.: 19.241
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.243	46.252		
20	43.125	43.126		
25	45.537	45.543		
30	43.090	43.106		
35	41.459	41.498		
40	39.531	39.611		
45	38.643	38.940		
50	38.932	39.717	same Mica	
60	37.698	39.382	" "	
70	35.873	37.880	" "	
80	36.308	38.776		
100	34.288	36.585		
120	35.368	37.441		
140	34.630	35.498		✓
170	34.171	34.299		✓
200	32.918	32.941		✓
230	32.684	32.699		✓
Fines Collector 1	21.242			
Fines Collector 2	21.238			
Fines Collector 3	21.249	21.253		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-150
Sampling Date: 10/9/10
Analysis Date: 3/19/11

Container wt.: 6.152
Total wt.: 21.041
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.200	46.258		
20	43.141	43.145		
25	45.537	45.544		
30	43.110	13.118		
35	41.465	41.477		
40	39.540	39.561		
45	38.667	38.769	Some mica	
50	38.949	39.262	" "	
60	37.703	38.683	Mica	
70	35.867	37.604	—	
80	36.286	39.088	Some Mica	
100	34.242	37.738	" "	
120	35.324	38.714		
140	34.613	36.215		✓
170	34.174	34.443		✓
200	32.932	32.977		✓
230	32.700	32.725		✓
Fines Collector 1	21.245			
Fines Collector 2	21.244			
Fines Collector 3	21.249	21.248		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-154
Sampling Date: 10/9/10
Analysis Date: 3/19/11

Container wt.: 6.149
Total wt.: 20.281
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.256	46.286		
20	43.140	43.146		
25	45.535	45.557		
30	43.105	43.134		
35	41.462	41.516		
40	39.537	39.642		
45	38.666	39.057	Consolidated	
50	38.955	39.878	" "	
60	37.711	39.834	" "	
70	35.891	38.811	" "	
80	36.305	39.451	" "	
100	34.282	36.577	" "	
120	35.312	36.719	" "	
140	34.623	35.194	" "	
170	34.180	34.267		
200	32.935	32.945		
230	32.704	32.711		
Fines Collector 1	21.248			
Fines Collector 2	21.240			
Fines Collector 3	21.241	21.257		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-158
Sampling Date: 10/9/10
Analysis Date: 3/14/11

Container wt.: 6.154
Total wt.: 18.699
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.254	46.285		
20	43.198	43.149		
25	45.534	45.550		
30	43.105	43.148		
35	41.462	41.519		
40	39.548	39.644		
45	38.670	39.612	some mica	
50	38.950	39.720	" "	
60	37.706	39.336	mica	
70	35.861	37.992	some mica	
80	36.279	38.713	" "	
100	34.246	36.388	" "	
120	35.341	37.051	" "	
140	34.612	35.505	" "	✓
170	34.172	34.337	" "	✓
200	32.931	32.964		✓
230	32.701	32.716		✓
Fines Collector 1	21.246			
Fines Collector 2	21.247			
Fines Collector 3	21.247	21.258		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-162
Sampling Date: 10/9/10
Analysis Date: 3/19/11

Container wt.: 6.152
Total wt.: 20.851
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.262	46.297		
20	43.140	43.153		
25	45.537	45.561		
30	43.103	43.128		
35	41.459	41.554	sample of large Mica flakes (M)	
40	39.533	39.698		
45	38.658	39.201	Some Mica	
50	38.970	40.075		
60	37.706	39.764		
70	35.889	38.587	[redacted]	
80	36.307	39.519	Some Mica	
100	34.244	36.733	" "	
120	35.324	36.792		
140	34.613	35.207		✓
170	34.177	34.274		✓
200	32.934	32.949		✓
230	32.703	32.707		
Fines Collector 1	21.245			
Fines Collector 2	21.241			
Fines Collector 3	21.243	21.255		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-166
Sampling Date: 10/9/10
Analysis Date: 3/19/11

Container wt.: 6.152
Total wt.: 19.152
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.255	46.297	med-dk bull flakes	
20	43.141	43.146		
25	45.536	45.546		
30	43.105	43.122		
35	41.463	41.531		
40	39.541	39.673		
45	38.664	39.009	Mica sand	
50	38.944	39.618		
60	37.701	39.054	Some mica	
70	35.868	37.842	" "	
80	36.271	39.126	" "	
100	34.236	36.899		
120	35.333	37.143	Some mica	
140	34.618	35.409		✓
170	34.179	34.307		✓
200	32.935	32.958		
230	32.704	32.716		✓
Fines Collector 1	21.247			
Fines Collector 2	21.243			
Fines Collector 3	21.243	21.255		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-170
Sampling Date: 10/9/10
Analysis Date: 3/19/11

Container wt.: 6.150
Total wt.: 17.137
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.259	46.292	mod shell frag	
20	43.189	43.149		
25	45.536	45.546		
30	43.100	43.121		
35	41.458	41.504		
40	39,538	39.591		
45	38.664	38.811		
50	38.959	39.260	mica (some)	
60	37.716	38.398	" "	
70	35.814	37.055	Mica	
80	36.289	38.356	"	
100	34.336	36.954		
120	35.341	37.689		
140	34.609	35.696	Some mica	✓
170	34.174	34.348		✓
200	32.931	32.956		✓
230	32.698	32.715		✓
Fines Collector 1	21.244			
Fines Collector 2	21.245			
Fines Collector 3	21.241	21.257		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C13-174
Sampling Date: 10/9/10
Analysis Date: 3/19/11

Container wt.: 6.152
Total wt.: 17.785
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.248	46.278		
20	43.141	43.154		
25	45.534	45.555	black flakes (shell?)	
30	43.093	43.122		
35	41.454	41.497		
40	39.530	39.597		
45	38.651	38.848	Mica	
50	38.928	39.387	"	
60	37.689	38.760	"	
70	35.837	37.314 38.331		39.154
80	36.248	~~37.496~~	some mica	
100	35.287	~~36.698~~ 37.020	" "	
120	34.600	37.364	" "	
140	34.200	35.636		✓
170	34.168	34.330		✓
200	32.937	32.958		✓
230	32.706	32.715		✓
Fines Collector 1	21.248			
Fines Collector 2	21.246			
Fines Collector 3	21.249	21.256		
Sum total				

Vibracore C14

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI4-002
Sampling Date: 10/9/10
Analysis Date: 6/21/12

Container wt.: 6.152
Total wt.: 18.562
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.610	49.622			
18	1	0.00	46.469	46.500	clumps		
20	0.85	0.25	43.303	43.316			
25	0.71	0.50	45.718	45.741			
30	0.6	0.75	43.295	43.324			
35	0.5	1.00	41.618	41.693			
40	0.43	1.25	39.692	39.836			
45	0.36	1.50	38.986	39.377			
50	0.3	1.75	39.101	40.044			✓
60	0.25	2.00	38.039	40.261			✓
70	0.21	2.25	36.032	38.593			✓
80	0.18	2.50	34.475	38.937			✓
100	0.15	2.75	34.357	35.888			✓✓
120	0.13	3.00	35.451	36.607			✓
140	0.11	3.25	34.763	35.335			✓✓
170	0.09	3.50	34.356	34.487			✓✓
200	0.08	3.75	33.090	33.115			
230	0.06	4.00	32.849	32.861			
Fines	<0.06	>4	122.804	122.893			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-006
Sampling Date: 10/9/10
Analysis Date: 6/21/12

Container wt.: 6.151
Total wt.: 20.450
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.608	49.608			
18	1	0.00	46.465	46.464			
20	0.85	0.25	43.305	43.306			
25	0.71	0.50	45.719	45.730			
30	0.6	0.75	43.293	43.333			
35	0.5	1.00	41.616	41.685			
40	0.43	1.25	39.695	39.808			
45	0.36	1.50	38.989	39.333			
50	0.3	1.75	39.110	40.023		✓	✓
60	0.25	2.00	38.087	40.479		✓	✓
70	0.21	2.25	36.057	38.960			✓
80	0.18	2.50	36.490	39.477			✓
100	0.15	2.75	34.360	36.276			✓
120	0.13	3.00	35.452	36.926			✓
140	0.11	3.25	34.761	35.533			✓✓
170	0.09	3.50	34.314	34.495			✓✓
200	0.08	3.75	33.082	33.108			
230	0.06	4.00	32.850	32.858			
Fines	<0.06	> 4	122.802	122.812			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-010
Sampling Date: 10/9/10
Analysis Date: 6/21/12

Container wt.: 6.152
Total wt.: 18.367
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.608	49.617	clump		
18	1	0.00	46.463	46.470			
20	0.85	0.25	43.305	43.304			
25	0.71	0.50	45.720	45.732			
30	0.6	0.75	43.304	43.325			
35	0.5	1.00	41.618	41.673			
40	0.43	1.25	39.694	39.799		✓	
45	0.36	1.50	38.989	39.272			
50	0.3	1.75	39.108	39.906		✓	✓
60	0.25	2.00	38.065	40.057			✓
70	0.21	2.25	34.062	38.581			✓
80	0.18	2.50	36.471	38.959			✓
100	0.15	2.75	34.360	36.086			✓✓
120	0.13	3.00	35.457	36.718			✓✓
140	0.11	3.25	34.757	35.415			✓✓
170	0.09	3.50	34.321	34.461			✓✓
200	0.08	3.75	33.081	33.100			
230	0.06	4.00	32.850	32.857			
Fines	<0.06	> 4	122.803	122.811			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-014
Sampling Date: 10/9/10
Analysis Date: 6/21/12

Container wt.: 6.152
Total wt.: 21.962
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.606	49.632			
18	1	0.00	46.463	46.463			
20	0.85	0.25	43.303	43.305			
25	0.71	0.50	45.719	45.727			
30	0.6	0.75	43.298	43.322			
35	0.5	1.00	41.617	41.682		✓	
40	0.43	1.25	39.691	39.804			
45	0.36	1.50	38.988	39.336			
50	0.3	1.75	39.105	40.122		✓	✓
60	0.25	2.00	38.082	40.674			✓
70	0.21	2.25	36.061	39.335			✓
80	0.18	2.50	34.469	39.766			✓
100	0.15	2.75	34.354	36.537			✓
120	0.13	3.00	35.447	37.042			✓
140	0.11	3.25	34.756	35.533			✓✓
170	0.09	3.50	34.332	34.492			✓✓
200	0.08	3.75	33.085	33.113			
230	0.06	4.00	32.846	32.859			
Fines	<0.06	> 4	122.803	122.812			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-018
Sampling Date: 10/9/10
Analysis Date: 6/21/12

Container wt.: 6.152
Total wt.: 19.183
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.606	49.606			
18	1	0.00	46.460	46.462			
20	0.85	0.25	43.302	43.301			
25	0.71	0.50	45.715	45.723			
30	0.6	0.75	43.297	43.326			
35	0.5	1.00	41.618	41.683			
40	0.43	1.25	39.697	39.797			
45	0.36	1.50	38.988	39.272			
50	0.3	1.75	39.104	39.862		✓	✓
60	0.25	2.00	38.070	40.061			✓
70	0.21	2.25	36.091	38.560			✓
80	0.18	2.50	36.490	39.244			✓
100	0.15	2.75	34.372	36.272			✓
120	0.13	3.00	35.438	36.832			✓✓
140	0.11	3.25	34.754	35.439			✓✓
170	0.09	3.50	34.332	34.488			✓✓
200	0.08	3.75	33.084	33.109			
230	0.06	4.00	32.845	32.858			
Fines	<0.06	> 4	122.804	122.814			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-022
Sampling Date: 10/9/10
Analysis Date: 6/21/12

Container wt.: 6.152
Total wt.: 21.033
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.599	49.600			
18	1	0.00	46.452	46.465			
20	0.85	0.25	43.297	43.300			
25	0.71	0.50	45.710	45.720			
30	0.6	0.75	43.296	43.310			
35	0.5	1.00	41.614	41.676			
40	0.43	1.25	39.688	39.781			
45	0.36	1.50	38.984	39.264			
50	0.3	1.75	39.697	39.840			✓
60	0.25	2.00	38.051	40.080			✓
70	0.21	2.25	36.072	39.038			✓
80	0.18	2.50	36.489	39.634			✓
100	0.15	2.75	34.361	36.625			✓
120	0.13	3.00	35.446	37.218			✓✓
140	0.11	3.25	34.754	35.696			✓✓
170	0.09	3.50	34.324	34.555			✓✓
200	0.08	3.75	33.083	33.126			
230	0.06	4.00	32.847	32.866			
Fines	<0.06	> 4	122.803	122.816			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-026
Sampling Date: 10/9/10
Analysis Date: 6/25/12

Container wt.: 6.152
Total wt.: 20.972
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.600	49.599			
18	1	0.00	46.453	46.467			
20	0.85	0.25	43.295	43.303			
25	0.71	0.50	45.710	45.726			
30	0.6	0.75	43.294	43.323			
35	0.5	1.00	41.618	41.701			
40	0.43	1.25	39.685	39.823			
45	0.36	1.50	38.983	39.349			
50	0.3	1.75	39.097	40.050			✓
60	0.25	2.00	38.117	40.359			✓
70	0.21	2.25	36.064	39.067			✓
80	0.18	2.50	36.459	39.472			✓
100	0.15	2.75	34.356	36.360			✓
120	0.13	3.00	35.463	36.961			✓
140	0.11	3.25	34.748	35.540			✓
170	0.09	3.50	34.322	34.494			✓
200	0.08	3.75	33.083	33.116			
230	0.06	4.00	32.847	32.860			
Fines	<0.06	> 4	122.802	122.817			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-030
Sampling Date: 10/9/10
Analysis Date: 6/21/12

Container wt.: 6.152
Total wt.: 19.800
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.599	49.599			
18	1	0.00	46.451	46.454			
20	0.85	0.25	43.296	43.309			
25	0.71	0.50	45.717	45.723			
30	0.6	0.75	43.291	43.314			
35	0.5	1.00	41.613	41.689			
40	0.43	1.25	39.685	39.812			
45	0.36	1.50	38.981	39.348			
50	0.3	1.75	39.101	40.092		✓	✓
60	0.25	2.00	38.121	40.374			✓
70	0.21	2.25	36.040	38.549			✓
80	0.18	2.50	34.460	39.045			✓
100	0.15	2.75	34.355	36.110			✓✓
120	0.13	3.00	35.441	36.868			✓✓
140	0.11	3.25	34.748	35.567			✓✓
170	0.09	3.50	34.321	34.501			✓✓
200	0.08	3.75	33.084	33.113			
230	0.06	4.00	32.848	32.859			
Fines	<0.06	> 4	122.800	122.816			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-034
Sampling Date: 10/9/10
Analysis Date: 6/21/12

Container wt.: 6.153
Total wt.: 18.728
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.600	49.598			
18	1	0.00	46.451	46.455			
20	0.85	0.25	43.296	43.298			
25	0.71	0.50	45.710	45.713			
30	0.6	0.75	43.290	43.300			
35	0.5	1.00	41.612	41.661			
40	0.43	1.25	39.682	39.764			
45	0.36	1.50	38.982	39.238			
50	0.3	1.75	39.097	39.791		✓	✓
60	0.25	2.00	38.084	39.811		✓	✓
70	0.21	2.25	36.063	38.223			✓
80	0.18	2.50	36.494	38.879			✓✓
100	0.15	2.75	34.355	36.201			✓
120	0.13	3.00	35.441	37.085			✓✓
140	0.11	3.25	34.744	35.752			✓✓
170	0.09	3.50	34.319	34.541			✓✓
200	0.08	3.75	33.084	33.123			
230	0.06	4.00	32.846	32.867			
Fines	<0.06	> 4	122.800	122.817			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI4-088
Sampling Date: 10/9/10
Analysis Date: 6/25/12

Container wt.: 6.152
Total wt.: 20.588
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.605	49.610			
18	1	0.00	46.457	46.463			
20	0.85	0.25	43.301	43.305			
25	0.71	0.50	45.715	45.724			
30	0.6	0.75	43.297	43.334			
35	0.5	1.00	41.619	41.679			
40	0.43	1.25	39.691	39.798			
45	0.36	1.50	38.989	39.298			
50	0.3	1.75	39.104	40.024			✓
60	0.25	2.00	38.138	40.480			✓
70	0.21	2.25	36.057	38.799			✓
80	0.18	2.50	36.481	39.265		✓	✓
100	0.15	2.75	34.363	36.386			✓✓
120	0.13	3.00	35.460	37.230			✓✓
140	0.11	3.25	34.754	35.756			✓✓
170	0.09	3.50	34.327	34.547			✓✓
200	0.08	3.75	33.091	33.124			
230	0.06	4.00	32.856	32.872			
Fines	<0.06	> 4	122.802	122.811			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14 [redacted]-042
Sampling Date: 10/9/10
Analysis Date: 6/25/12

Container wt.: 6.152
Total wt.: 19.519
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.607	49.633			
18	1	0.00	46.460	46.466			
20	0.85	0.25	43.303	43.305			
25	0.71	0.50	45.718	45.731			
30	0.6	0.75	43.307	43.322			
35	0.5	1.00	41.629	41.673			
40	0.43	1.25	39.698	39.778			
45	0.36	1.50	38.991	39.258			
50	0.3	1.75	39.110	39.865		✓	
60	0.25	2.00	38.108	40.157		✓	✓
70	0.21	2.25	36.093	38.579		✓	✓
80	0.18	2.50	36.482	39.164			✓
100	0.15	2.75	34.363	36.280			✓
120	0.13	3.00	35.442	37.085			✓✓
140	0.11	3.25	34.754	35.747			✓✓
170	0.09	3.50	34.326	34.548			✓✓
200	0.08	3.75	33.080	33.121			
230	0.06	4.00	32.856	32.870			
Fines	<0.06	> 4	122.803	122.811			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-046
Sampling Date: 10/9/10
Analysis Date: 6/25/12

Container wt.: 6.152
Total wt.: 18.638
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.623	49.621			
18	1	0.00	46.463	46.468			
20	0.85	0.25	43.303	43.304			
25	0.71	0.50	45.719	45.734			
30	0.6	0.75	43.308	43.335			
35	0.5	1.00	41.624	41.695			
40	0.43	1.25	39.696	39.811			
45	0.36	1.50	38.992	39.322			
50	0.3	1.75	39.107	39.950		✓	✓
60	0.25	2.00	38.086	40.279		✓	✓
70	0.21	2.25	36.051	38.588			✓
80	0.18	2.50	34.509	38.895			✓
100	0.15	2.75	34.375	35.953			✓
120	0.13	3.00	35.465	36.736			✓✓
140	0.11	3.25	34.758	35.477			✓✓
170	0.09	3.50	34.328	34.511			✓✓
200	0.08	3.75	33.089	33.120			✓
230	0.06	4.00	32.857	32.870			
Fines	<0.06	>4	122.802	122.803			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI4-050
Sampling Date: 10/9/10
Analysis Date: 6/25/12

Container wt.: 6.152
Total wt.: 20.235
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.618	49.617			
18	1	0.00	46.461	46.470			
20	0.85	0.25	43.303	43.306			
25	0.71	0.50	45.720	45.726			
30	0.6	0.75	43.303	43.320			
35	0.5	1.00	41.624	41.677			
40	0.43	1.25	39.693	39.789			
45	0.36	1.50	38.988	39.279		✓	
50	0.3	1.75	39.106	39.960			✓
60	0.25	2.00	38.133	40.489			✓
70	0.21	2.25	36.084	39.001		✓	✓
80	0.18	2.50	36.490	39.250			✓
100	0.15	2.75	34.373	36.240			✓✓
120	0.13	3.00	35.445	36.945			✓✓
140	0.11	3.25	34.752	35.600			✓✓
170	0.09	3.50	34.339	34.550			✓✓
200	0.08	3.75	33.089	33.130			
230	0.06	4.00	32.854	32.870			
Fines	<0.06	> 4	122.803	122.814			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-054
Sampling Date: 10/9/10
Analysis Date: 6/25/12

Container wt.: 6.152
Total wt.: 21.055
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.617	49.660			
18	1	0.00	46.462	46.469			
20	0.85	0.25	43.302	43.302			
25	0.71	0.50	45.718	45.720			
30	0.6	0.75	43.299	43.315			
35	0.5	1.00	41.619	41.653			
40	0.43	1.25	39.689	39.766			
45	0.36	1.50	38.987	39.238			✓
50	0.3	1.75	39.102	39.873			✓
60	0.25	2.00	38.073	40.376			✓
70	0.21	2.25	36.062	38.950			✓
80	0.18	2.50	36.490	39.525		✓	✓
100	0.15	2.75	34.367	36.464			✓
120	0.13	3.00	35.476	37.334			✓
140	0.11	3.25	34.754	35.850			✓✓
170	0.09	3.50	34.330	34.578			✓✓
200	0.08	3.75	33.089	33.130			
230	0.06	4.00	32.855	32.873			
Fines	<0.06	> 4	122.800	122.816			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-C58
Sampling Date: 10/9/10
Analysis Date: 6/25/12

Container wt.: 6.152
Total wt.: 19.784
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.611	49.612			
18	1	0.00	46.459	46.462			
20	0.85	0.25	43.299	43.301			
25	0.71	0.50	45.714	45.724			
30	0.6	0.75	43.306	43.318			
35	0.5	1.00	41.619	41.671			
40	0.43	1.25	39.691	39.769			
45	0.36	1.50	38.988	39.259			
50	0.3	1.75	39.104	39.893			✓
60	0.25	2.00	38.084	40.303			✓
70	0.21	2.25	36.077	38.905			✓
80	0.18	2.50	36.486	39.180			✓✓
100	0.15	2.75	34.377	36.180			✓✓
120	0.13	3.00	35.451	34.977			✓✓
140	0.11	3.25	34.751	35.667			✓✓
170	0.09	3.50	34.327	34.575			✓✓
200	0.08	3.75	33.088	33.133			
230	0.06	4.00	32.852	32.871			
Fines	<0.06	>4	122.802	122.816			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-062
Sampling Date: 10/9/10
Analysis Date: 6/25/12

Container wt.: 6.152
Total wt.: 18.890
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.613	49.651			
18	1	0.00	46.459	46.463			
20	0.85	0.25	43.298	43.307			
25	0.71	0.50	45.714	45.720			
30	0.6	0.75	43.300	43.314			
35	0.5	1.00	41.617	41.678			
40	0.43	1.25	39.689	39.785			
45	0.36	1.50	38.987	39.256			
50	0.3	1.75	39.108	39.836		✓	✓
60	0.25	2.00	38.137	40.119			✓
70	0.21	2.25	36.063	38.633			✓
80	0.18	2.50	36.493	38.935			✓
100	0.15	2.75	34.369	36.124			✓
120	0.13	3.00	35.446	36.926			✓✓
140	0.11	3.25	34.750	35.601			✓✓
170	0.09	3.50	34.325	34.547			✓✓
200	0.08	3.75	33.087	33.126			
230	0.06	4.00	32.851	32.870			
Fines	<0.06	> 4	122.802	122.811			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-066
Sampling Date: 10/9/10
Analysis Date: 6/25/12

Container wt.: 6.152
Total wt.: 22.226
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.616	49.615			
18	1	0.00	46.457	46.460			
20	0.85	0.25	43.299	43.301			
25	0.71	0.50	45.715	45.736			
30	0.6	0.75	43.294	43.306			
35	0.5	1.00	41.678	41.672			
40	0.43	1.25	39.689	39.799			
45	0.36	1.50	38.985	39.349			
50	0.3	1.75	39.099	40.096			✓
60	0.25	2.00	38.120	40.751			✓
70	0.21	2.25	36.068	39.288			✓
80	0.18	2.50	36.475	39.588		✓	✓
100	0.15	2.75	34.383	36.492			✓
120	0.13	3.00	35.453	37.260			✓✓
140	0.11	3.25	34.750	35.822			✓✓
170	0.09	3.50	34.320	34.600			✓✓
200	0.08	3.75	33.085	33.140			
230	0.06	4.00	32.851	32.877			
Fines	<0.06	> 4	122.801	122.818			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-070
Sampling Date: 10/9/10
Analysis Date: 6/25/12

Container wt.: 6.153
Total wt.: 21.216
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.612	49.610			
18	1	0.00	46.456	46.458			
20	0.85	0.25	43.299	43.300			
25	0.71	0.50	45.715	45.717			
30	0.6	0.75	43.295	43.309			
35	0.5	1.00	41.616	41.667			
40	0.43	1.25	39.686	39.794			
45	0.36	1.50	38.982	39.339			
50	0.3	1.75	39.101	40.108			✓
60	0.25	2.00	38.109	40.741			✓
70	0.21	2.25	36.093	39.033			✓
80	0.18	2.50	34.483	39.307			✓
100	0.15	2.75	34.375	36.329			✓
120	0.13	3.00	35.468	37.129			✓✓
140	0.11	3.25	34.749	35.704			✓✓
170	0.09	3.50	34.319	34.576			✓✓
200	0.08	3.75	33.084	33.126			
230	0.06	4.00	32.852	32.868			
Fines	<0.06	> 4	122.802	122.811			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-674
Sampling Date: 10/9/10
Analysis Date: 6/25/12

Container wt.: 6.152
Total wt.: 16.738
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.610	49.623			
18	1	0.00	46.457	46.484	SOME CLUMPS		
20	0.85	0.25	43.297	43.305			
25	0.71	0.50	45.714	45.731			
30	0.6	0.75	43.294	43.311			
35	0.5	1.00	41.614	41.692			
40	0.43	1.25	39.687	39.824			
45	0.36	1.50	38.983	39.409			✓
50	0.3	1.75	39.102	40.101			✓
60	0.25	2.00	38.099	40.231			✓
70	0.21	2.25	36.096	38.175			✓
80	0.18	2.50	36.504	38.328			✓
100	0.15	2.75	34.385	35.554			✓
120	0.13	3.00	35.450	36.281			✓
140	0.11	3.25	34.749	35.193			✓
170	0.09	3.50	34.318	34.425			✓
200	0.08	3.75	33.083	33.102			
230	0.06	4.00	32.848	32.858			
Fines	<0.06	> 4	122.802	122.808			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-C78
Sampling Date: 10/9/10
Analysis Date: 6/26/12

Container wt.: 6.152
Total wt.: 20.169
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.594	49.592			
18	1	0.00	46.437	46.437			
20	0.85	0.25	43.284	43.295			
25	0.71	0.50	45.704	45.723			
30	0.6	0.75	43.279	43.313			
35	0.5	1.00	41.602	41.719			
40	0.43	1.25	39.672	39.889			
45	0.36	1.50	38.972	39.591			
50	0.3	1.75	39.087	40.594			
60	0.25	2.00	38.092	41.054			
70	0.21	2.25	36.070	39.089			✓
80	0.18	2.50	36.471	38.836			✓✓
100	0.15	2.75	34.367	35.757			✓✓
120	0.13	3.00	35.432	36.316			✓✓
140	0.11	3.25	34.742	35.188			✓✓
170	0.09	3.50	34.309	34.437			✓✓
200	0.08	3.75	33.074	33.100			
230	0.06	4.00	32.839	32.855			
Fines	<0.06	> 4	122.803	122.812			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIA-082
Sampling Date: 10/9/10
Analysis Date: 6/26/12

Container wt.: 6.153
Total wt.: 18.953
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.593	49.595			
18	1	0.00	46.436	46.448			
20	0.85	0.25	43.284	43.286			
[illegible]	0.71	0.50	45.704	45.717			
[illegible]0	0.6	0.75	43.27[illegible]5	43.294			
[illegible]	0.5	1.00	41.600	41.662			
[illegible]0	0.43	1.25	39.670	39.802			
[illegible]	0.36	1.50	38.974	39.393			
[illegible]0	0.3	1.75	39.087	40.064			
[illegible]0	0.25	2.00	38.124	40.122			✓
[illegible]0	0.21	2.25	36.094	38.367			✓
[illegible]0	0.18	2.50	36.466	38.979			✓
[illegible]0	0.15	2.75	34.371	36.171			✓
[illegible]0	0.13	3.00	35.433	36.816			✓✓
[illegible]0	0.11	3.25	34.739	35.470			✓✓
[illegible]0	0.09	3.50	34.309	34.499			✓✓
[illegible]0	0.08	3.75	33.073	33.120			
[illegible]0	0.06	4.00	32.839	32.873			
[illegible]s	<0.06	> 4	122.800	122.825			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-086
Sampling Date: 10/9/10
Analysis Date: 6/24/12

Container wt.: 6.152
Total wt.: 20.626
Sample wt.: _____

Observations: _____

mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
2	-1.00	49.595	49.595			
1	0.00	46.435	46.437			
0.85	0.25	43.284	43.284			
0.71	0.50	45.703	45.708			
0.6	0.75	43.278	43.292			
0.5	1.00	41.603	41.676			
0.43	1.25	39.672	39.907			
0.36	1.50	38.994	39.775			
0.3	1.75	39.087	40.470			✓
0.25	2.00	38.130	40.523		✓	✓
0.21	2.25	36.101	38.577			✓
0.18	2.50	36.469	38.964			✓✓
0.15	2.75	34.373	36.180			✓✓
0.13	3.00	35.466	37.011			✓✓
0.11	3.25	34.738	35.604			✓✓
0.09	3.50	34.307	34.493			✓✓
0.08	3.75	33.073	33.106			
0.06	4.00	32.840	32.859			
<0.06	> 4	122.801	122.815			

Grain-size analysis data sheet
Project: Cedar Island Breach

ple No: C14-090
ampling Date: 10/9/10
nalysis Date: 6/26/12

Container wt.: 6.153
Total wt.: 20.106
Sample wt.: _____

rvations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
	2	-1.00	49.593	49.592			
	1	0.00	46.431	46.463			
	0.85	0.25	43.280	43.298			
5	0.71	0.50	45.701	45.747			
	0.6	0.75	43.276	43.351			
	0.5	1.00	41.601	41.871			
	0.43	1.25	39.672	40.047			
	0.36	1.50	38.978	39.952		✓	✓
	0.3	1.75	39.094	40.705		✓	✓
	0.25	2.00	38.092	40.598			✓
	0.21	2.25	36.079	38.633			✓
	0.18	2.50	36.490	38.834			✓
	0.15	2.75	34.370	35.952			✓
	0.13	3.00	35.443	36.416			✓✓
	0.11	3.25	34.740	35.120			✓✓
	0.09	3.50	34.308	34.374			✓✓
	0.08	3.75	33.073	33.084			
	0.06	4.00	32.838	32.844			
	<0.06	>4	22.800	22.811			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI4-094
Sampling Date: 10/9/10
Analysis Date: 6/20/12

Container wt.: 6.150
Total wt.: 21.180
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.589	49.645			
18	1	0.00	46.431	46.454			
20	0.85	0.25	43.281	43.295			
25	0.71	0.50	45.701	45.748			
30	0.6	0.75	43.271	43.330			
35	0.5	1.00	41.600	41.805		✓	
40	0.43	1.25	39.669	39.967			
45	0.36	1.50	38.981	39.807		✓	✓
50	0.3	1.75	39.094	40.699		✓	✓
60	0.25	2.00	38.079	41.043			✓
70	0.21	2.25	36.069	39.315			✓
80	0.18	2.50	34.471	39.146			✓
100	0.15	2.75	34.372	35.942			✓✓
120	0.13	3.00	35.431	36.251			✓✓
140	0.11	3.25	34.736	35.107			✓✓
170	0.09	3.50	34.304	34.402			✓✓
200	0.08	3.75	33.069	33.089			
230	0.06	4.00	32.837	32.847			
Fines	<0.06	> 4	122.802	122.808			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-098
Sampling Date: 10/9/10
Analysis Date: 6/26/12

Container wt.: 0.152
Total wt.: 21.212
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.589	49.641			
18	1	0.00	46.428	46.540			
20	0.85	0.25	43.283	43.312			
25	0.71	0.50	45.706	45.743			
30	0.6	0.75	43.269	43.334			
35	0.5	1.00	41.597	41.791		✓	
40	0.43	1.25	39.668	39.986			
45	0.36	1.50	38.979	39.855		✓	✓
50	0.3	1.75	39.096	40.845			✓
60	0.25	2.00	38.070	41.155			✓
70	0.21	2.25	36.087	39.253			✓
80	0.18	2.50	36.473	39.156			✓✓
100	0.15	2.75	34.381	35.746			✓✓
120	0.13	3.00	35.428	36.102			✓✓
140	0.11	3.25	34.734	35.028			✓✓
170	0.09	3.50	34.304	34.393			✓✓
200	0.08	3.75	33.070	33.086			
230	0.06	4.00	32.836	32.848			
Fines	<0.06	> 4	122.800	122.815			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-102
Sampling Date: 10/9/10
Analysis Date: 6/24/12

Container wt.: 6.152
Total wt.: 18.434
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.589	49.695			
18	1	0.00	46.427	46.467			
20	0.85	0.25	43.277	43.303			
25	0.71	0.50	45.700	45.751		✓	
30	0.6	0.75	43.268	43.351			
35	0.5	1.00	41.597	41.873			
40	0.43	1.25	39.668	40.043			
45	0.36	1.50	38.978	39.904			
50	0.3	1.75	39.095	40.581			✓
60	0.25	2.00	38.062	40.483		✓	✓
70	0.21	2.25	36.066	38.367			✓
80	0.18	2.50	36.499	38.353			✓
100	0.15	2.75	34.376	35.444			✓✓
120	0.13	3.00	35.444	36.059			✓✓
140	0.11	3.25	34.735	35.101			✓✓
170	0.09	3.50	34.303	34.408			✓✓
200	0.08	3.75	33.068	33.082			
230	0.06	4.00	32.835	32.838			
Fines	<0.06	> 4	122.800	122.805			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-106
Sampling Date: 10/9/10
Analysis Date: 6/26/12

Container wt.: 6.152
Total wt.: 18.143
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.590	49.601			
18	1	0.00	46.432	46.467			
20	0.85	0.25	43.281	43.290			
25	0.71	0.50	45.701	45.739			
30	0.6	0.75	43.265	43.298			
35	0.5	1.00	41.598	41.721			
40	0.43	1.25	39.668	39.856		✓	
45	0.36	1.50	38.975	39.553			
50	0.3	1.75	39.087	40.350			✓
60	0.25	2.00	38.099	40.528		✓	✓
70	0.21	2.25	36.053	38.793			✓
80	0.18	2.50	36.490	38.877			✓
100	0.15	2.75	34.371	35.579			✓✓
120	0.13	3.00	35.438	35.961			✓✓
140	0.11	3.25	34.732	34.914			✓✓
170	0.09	3.50	34.298	34.343			✓✓
200	0.08	3.75	33.066	33.076			
230	0.06	4.00	32.834	32.841			
Fines	<0.06	> 4	122.800	122.861			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-110
Sampling Date: 10/9/10
Analysis Date: 6/24/12

Container wt.: 6.151
Total wt.: 19.123
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.589	49.642			
18	1	0.00	46.431	46.485			
20	0.85	0.25	43.283	43.302			
25	0.71	0.50	45.705	45.762			
30	0.6	0.75	43.265	43.336			
35	0.5	1.00	41.597	41.756		✓	
40	0.43	1.25	39.665	39.886			
45	0.36	1.50	38.973	39.587			
50	0.3	1.75	39.091	40.414			✓
60	0.25	2.00	38.837	40.851			✓
70	0.21	2.25	36.087	38.897			✓
80	0.18	2.50	36.478	39.048			✓
100	0.15	2.75	34.380	35.630			✓✓
120	0.13	3.00	35.426	35.978			✓✓
140	0.11	3.25	34.729	34.911			✓✓
170	0.09	3.50	34.297	34.340			✓✓
200	0.08	3.75	33.064	33.081			
230	0.06	4.00	32.832	32.846			
Fines	<0.06	> 4	122.802	122.816			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: P14-114
Sampling Date: 10/9/10
Analysis Date: 6/26/12

Container wt.: 6.151
Total wt.: 19.253
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.589	49.613			
18	1	0.00	46.432	46.480			
20	0.85	0.25	43.279	43.303			
25	0.71	0.50	45.703	45.785			
30	0.6	0.75	43.262	43.368			
35	0.5	1.00	41.594	41.866		✓	
40	0.43	1.25	39.666	40.013		✓	
45	0.36	1.50	38.974	39.824		✓	
50	0.3	1.75	39.084	40.706		✓	
60	0.25	2.00	38.084	40.950			✓
70	0.21	2.25	36.096	38.824			✓
80	0.18	2.50	34.479	38.636			✓
100	0.15	2.75	34.378	35.483			✓
120	0.13	3.00	35.424	35.902			✓✓
140	0.11	3.25	34.731	34.888			✓✓
170	0.09	3.50	34.298	34.336			
200	0.08	3.75	33.066	33.078			
230	0.06	4.00	32.832	32.847			
Fines	<0.06	> 4	122.800	122.822			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14 - 118
Sampling Date: 10/9/10
Analysis Date: 6/26/12

Container wt.: 6.153
Total wt.: 20.590
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.593	49.785			
18	1	0.00	46.430	46.554		✓	
20	0.85	0.25	43.277	43.302			
25	0.71	0.50	45.703	45.770			
30	0.6	0.75	43.262	43.333			
35	0.5	1.00	41.597	41.740		✓	
40	0.43	1.25	39.666	39.833		✓	
45	0.36	1.50	38.975	39.438		✓	
50	0.3	1.75	39.089	40.133		✓	
60	0.25	2.00	38.070	40.594		✓	✓
70	0.21	2.25	36.088	39.256		✓	✓
80	0.18	2.50	34.486	39.620		✓	✓
100	0.15	2.75	34.380	36.164			✓
120	0.13	3.00	35.426	36.297			✓✓
140	0.11	3.25	34.730	35.018			✓✓
170	0.09	3.50	34.297	34.371			✓
200	0.08	3.75	33.064	33.095			
230	0.06	4.00	32.831	32.864			
Fines	<0.06	> 4	122.802	122.830			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-122
Sampling Date: 10/9/10
Analysis Date: 6/26/12

Container wt.: 6.152
Total wt.: 19.142
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.585	49.585			
18	1	0.00	46.422	46.454			
20	0.85	0.25	43.274	43.293			
25	0.71	0.50	45.700	45.726			
30	0.6	0.75	43.259	43.319			
35	0.5	1.00	41.596	41.753			
40	0.43	1.25	39.667	39.897			
45	0.36	1.50	38.972	39.702			
50	0.3	1.75	39.086	40.642		✓	✓
60	0.25	2.00	38.109	41.070		✓	✓
70	0.21	2.25	36.105	39.010			✓
80	0.18	2.50	36.487	38.788			✓
100	0.15	2.75	34.371	35.533			✓✓
120	0.13	3.00	35.425	35.918			✓✓
140	0.11	3.25	34.733	34.878			✓
170	0.09	3.50	34.301	34.330			
200	0.08	3.75	33.067	33.078			
230	0.06	4.00	32.836	32.847			
Fines	<0.06	> 4	122.803	122.814			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-126
Sampling Date: 10/9/10
Analysis Date: 6/26/12

Container wt.: 6.152
Total wt.: 21.466
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.585	49.600			
18	1	0.00	46.422	46.449			
20	0.85	0.25	43.276	43.281			
25	0.71	0.50	45.699	45.716			
30	0.6	0.75	43.256	43.283		✓	
35	0.5	1.00	41.593	41.676			
40	0.43	1.25	39.664	39.802			
45	0.36	1.50	38.977	39.404		✓	
50	0.3	1.75	39.091	40.149			✓
60	0.25	2.00	38.115	40.650		✓	✓
70	0.21	2.25	36.107	39.403			✓
80	0.18	2.50	36.477	40.025			✓
100	0.15	2.75	34.375	36.491			✓
120	0.13	3.00	35.431	34.582			✓
140	0.11	3.25	34.737	35.151			✓
170	0.09	3.50	34.300	34.413			
200	0.08	3.75	33.066	33.112			
230	0.06	4.00	32.835	32.887			
Fines	<0.06	> 4	122.803	122.883			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-130
Sampling Date: 10/9/10
Analysis Date: 6/26/12

Container wt.: 6.152
Total wt.: 20.780
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.583	49.609			
18	1	0.00	46.426	46.437			
20	0.85	0.25	43.278	43.279			
25	0.71	0.50	45.702	45.711			
30	0.6	0.75	43.257	43.269			
35	0.5	1.00	41.595	41.624		✓	
40	0.43	1.25	39.667	39.721		✓	
45	0.36	1.50	38.974	39.209		✓	
50	0.3	1.75	39.082	39.692		✓	
60	0.25	2.00	38.082	39.883		✓	✓
70	0.21	2.25	36.008	38.973		✓	✓
80	0.18	2.50	36.499	40.153			✓
100	0.15	2.75	34.379	36.934			✓
120	0.13	3.00	35.440	37.114			✓
140	0.11	3.25	34.735	35.434			✓
170	0.09	3.50	34.299	34.457			✓
200	0.08	3.75	33.067	33.105			
230	0.06	4.00	32.837	32.861			
Fines	<0.06	> 4	122.802	122.825			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI4-134
Sampling Date: 10/9/10
Analysis Date: 6/26/12

Container wt.: 6.153
Total wt.: 20.254
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.583	49.597	CLUMPS		
18	1	0.00	46.423	46.506			
20	0.85	0.25	43.278	43.298			
25	0.71	0.50	45.703	45.726			
30	0.6	0.75	43.257	43.278			
35	0.5	1.00	41.594	41.641		✓	
40	0.43	1.25	39.663	39.715		✓	
45	0.36	1.50	38.973	39.079		✓	
50	0.3	1.75	39.083	39.311		✓	✓
60	0.25	2.00	38.[illegible]	38.840		✓	✓
70	0.21	2.25	36.215	37.788		✓	✓
80	0.18	2.50	36.900	39.344		✓	✓
100	0.15	2.75	34.400	37.227			✓
120	0.13	3.00	35.445	38.259			✓✓
140	0.11	3.25	34.737	36.464			✓✓
170	0.09	3.50	34.296	34.749			✓✓
200	0.08	3.75	33.067	33.222			
230	0.06	4.00	32.833	32.981			
Fines	<0.06	> 4	122.800	122.958			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-138
Sampling Date: 10/9/10
Analysis Date: 1/10/13

Container wt.: 6.153
Total wt.: 18.300
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.583	49.628			
18	1	0.00	46.423	46.530			
20	0.85	0.25	43.275	43.296			
25	0.71	0.50	45.703	45.730			
30	0.6	0.75	43.255	43.275			
35	0.5	1.00	41.595	41.638			
40	0.43	1.25	39.664	39.712			
45	0.36	1.50	38.972	39.061			
50	0.3	1.75	39.080	39.230			
60	0.25	2.00	38.104	38.433			
70	0.21	2.25	36.221	36.888			
80	0.18	2.50	36.485	37.959			
100	0.15	2.75	34.386	36.588			
120	0.13	3.00	35.439	38.555			
140	0.11	3.25	34.738	37.084			
170	0.09	3.50	34.298	35.028			
200	0.08	3.75	33.071	33.309			
230	0.06	4.00	32.835	33.062			
270	0.05	4.25	32.968	33.116			
325	0.05	4.50	32.988	33.086			
400	0.04	4.75	33.100	33.166			
450	0.03	5.00	32.763	32.806			
Fines	<0.03	> 5	122.800	122.822			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI4-142
Sampling Date: 10/9/10
Analysis Date: 6/26/12

Container wt.: 6.154
Total wt.: 21.783
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.583	49.593	CLUMP		
18	1	0.00	46.424	46.485	"		
20	0.85	0.25	43.276	43.297			
25	0.71	0.50	45.703	45.765			
30	0.6	0.75	43.255	43.309			
35	0.5	1.00	41.594	41.720			
40	0.43	1.25	39.666	39.868		✓	
45	0.36	1.50	38.972	39.413		✓	
50	0.3	1.75	39.080	39.903		✓	✓
60	0.25	2.00	38.070	39.581		✓	✓
70	0.21	2.25	36.208	38.103		✓	✓
80	0.18	2.50	36.477	39.275		✓	✓
100	0.15	2.75	34.386	37.179			✓
120	0.13	3.00	35.455	38.131			✓
140	0.11	3.25	34.754	36.170			✓
170	0.09	3.50	34.304	34.624			✓
200	0.08	3.75	33.074	33.153			✓
230	0.06	4.00	32.837	32.910			
Fines	<0.06	> 4	122.803	122.989			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-146
Sampling Date: 10/9/10
Analysis Date: 6/26/12

Container wt.: 6.154
Total wt.: 20.729
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.583	49.583			
18	1	0.00	46.422	46.434			
20	0.85	0.25	43.276	43.284			
25	0.71	0.50	45.705	45.718			
30	0.6	0.75	43.256	43.275			
35	0.5	1.00	41.595	41.650			
40	0.43	1.25	39.666	39.775		✓	
45	0.36	1.50	38.979	39.325		✓	
50	0.3	1.75	39.083	39.928		✓	✓
60	0.25	2.00	38.071	39.718		✓	✓
70	0.21	2.25	36.721	37.825		+	✓
80	0.18	2.50	36.476	38.273		✓	✓
100	0.15	2.75	34.391	36.372		✓	✓✓
120	0.13	3.00	35.453	37.847			✓
140	0.11	3.25	34.744	37.059			✓
170	0.09	3.50	34.302	35.195			✓
200	0.08	3.75	33.073	33.257			✓
230	0.06	4.00	32.839	32.944			
Fines	<0.06	> 4	122.862	122.906			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-15C
Sampling Date: 10/9/10
Analysis Date: 6/28/12

Container wt.: 6.151
Total wt.: 19.942
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.580	49.574			
18	1	0.00	46.389	46.386			
20	0.85	0.25	43.256	43.261			
25	0.71	0.50	45.673	45.706			
30	0.6	0.75	43.179	43.233			
35	0.5	1.00	41.555	41.705			
40	0.43	1.25	39.635	39.891		✓	
45	0.36	1.50	38.950	39.570		✓	
50	0.3	1.75	39.037	40.476		✓	
60	0.25	2.00	37.904	40.105		✓	✓
70	0.21	2.25	37.463	39.708		✓	✓
80	0.18	2.50	36.388	38.209		✓	✓
100	0.15	2.75	34.314	35.544		✓	✓
120	0.13	3.00	35.385	36.824			✓✓
140	0.11	3.25	34.715	36.216			✓✓
170	0.09	3.50	34.280	34.877			✓✓
200	0.08	3.75	33.054	33.152			
230	0.06	4.00	32.825	32.861			
Fines	<0.06	> 4	122.800	122.813			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI4-154
Sampling Date: 10/9/10
Analysis Date: 6/28/12

Container wt.: 6.151
Total wt.: 20.765
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.560	49.565			
18	1	0.00	46.379	46.415			
20	0.85	0.25	43.259	43.269			
25	0.71	0.50	45.685	45.734		✓	
30	0.6	0.75	43.191	43.313			
35	0.5	1.00	41.562	42.018		✓	
40	0.43	1.25	39.668	40.333		✓	
45	0.36	1.50	38.962	40.488		✓	✓
50	0.3	1.75	39.067	41.484		✓	✓
60	0.25	2.00	37.973	40.669			✓
70	0.21	2.25	37.493	39.517			✓
80	0.18	2.50	36.442	38.005		✓	✓✓
100	0.15	2.75	34.319	35.339			✓✓
120	0.13	3.00	35.407	36.391			✓✓
140	0.11	3.25	34.741	35.478			✓✓
170	0.09	3.50	34.329	34.522			✓✓
200	0.08	3.75	33.064	33.092			
230	0.06	4.00	32.827	32.838			
Fines	<0.06	> 4	122.801	122.807			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-158
Sampling Date: 10/9/10
Analysis Date: 6/28/12

Container wt.: 6.152
Total wt.: 23.689
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.561	49.569			
18	1	0.00	46.383	46.395			
20	0.85	0.25	43.259	43.263			
25	0.71	0.50	45.686	45.693			
30	0.6	0.75	43.208	43.246			
35	0.5	1.00	41.573	41.624		✓	
40	0.43	1.25	39.660	39.746		✓	
45	0.36	1.50	38.967	39.235		✓	
50	0.3	1.75	39.069	39.997		✓	✓
60	0.25	2.00	37.995	40.457		✓	✓
70	0.21	2.25	37.498	41.269		✓	✓
80	0.18	2.50	36.413	40.674			✓
100	0.15	2.75	34.333	36.877			✓✓
120	0.13	3.00	35.410	37.068			✓✓
140	0.11	3.25	34.788	35.616			✓✓
170	0.09	3.50	34.299	34.528			✓✓
200	0.08	3.75	33.062	33.095			
230	0.06	4.00	32.807	32.840			
Fines	<0.06	> 4	122.802	122.811			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-162
Sampling Date: 10/9/10
Analysis Date: 6/28/12

Container wt.: 6.152
Total wt.: 23.560
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.551	49.561			
18	1	0.00	46.391	46.407			
20	0.85	0.25	43.264	43.266			
25	0.71	0.50	45.684	45.719			
30	0.6	0.75	43.211	43.283			
35	0.5	1.00	41.573	41.810			
40	0.43	1.25	39.652	40.096			
45	0.36	1.50	38.962	40.230			✓
50	0.3	1.75	39.067	41.844		✓	✓
60	0.25	2.00	38.025	42.462		✓	✓
70	0.21	2.25	37.345	41.371		✓	✓
80	0.18	2.50	36.435	38.838			✓
100	0.15	2.75	34.326	35.244			✓✓
120	0.13	3.00	35.400	35.809			✓✓
140	0.11	3.25	34.727	34.919			✓✓
170	0.09	3.50	34.298	34.351			✓✓
200	0.08	3.75	33.059	33.072			
230	0.06	4.00	32.826	32.833			
Fines	<0.06	> 4	122.800	122.805			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI4-166
Sampling Date: 10/9/10
Analysis Date: 6/28/12

Container wt.: 6.151
Total wt.: 21.842
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.556	49.559			
18	1	0.00	46.394	46.396			
20	0.85	0.25	43.264	43.269			
25	0.71	0.50	45.692	45.697			
30	0.6	0.75	43.214	43.245			
35	0.5	1.00	41.574	41.621			
40	0.43	1.25	39.668	39.768		✓	
45	0.36	1.50	38.965	39.266		✓	
50	0.3	1.75	39.064	40.066		✓	✓
60	0.25	2.00	38.060	40.354		✓	✓
70	0.21	2.25	37.340	40.478		✓	✓
80	0.18	2.50	36.459	39.576		✓	✓
100	0.15	2.75	34.323	36.549			✓✓
120	0.13	3.00	35.411	37.628			✓✓
140	0.11	3.25	34.733	35.811			✓✓
170	0.09	3.50	34.297	34.653			✓✓
200	0.08	3.75	33,066	33.136			
230	0.06	4.00	32.828	32.877			
Fines	<0.06	> 4	122.802	122.835			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-170
Sampling Date: 10/9/10
Analysis Date: 6/28/12

Container wt.: 6.152
Total wt.: 19.461
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.558	49.559			
18	1	0.00	46.396	46.410			
20	0.85	0.25	43.265	43.267			
25	0.71	0.50	45.693	45.698			
30	0.6	0.75	43.227	43.242			
35	0.5	1.00	41.573	41.664			
40	0.43	1.25	39.658	39.873			
45	0.36	1.50	38.966	39.713			
50	0.3	1.75	39.070	41.004		✓	✓
60	0.25	2.00	38.040	41.182		✓	✓
70	0.21	2.25	37.349	40.161			✓
80	0.18	2.50	36.424	38.188			✓
100	0.15	2.75	34.336	35.232			✓
120	0.13	3.00	35.414	36.105			✓
140	0.11	3.25	34.731	35.228			✓
170	0.09	3.50	34.301	34.506			✓
200	0.08	3.75	33.062	33.125			
230	0.06	4.00	32.828	32.882			
Fines	<0.06	> 4	122.803	122.846			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-174
Sampling Date: 10/9/10
Analysis Date: 6/29/12

Container wt.: 6.151
Total wt.: 20.656
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.556	49.574			
18	1	0.00	46.396	46.411			
20	0.85	0.25	43.264	43.270			
25	0.71	0.50	45.690	45.730			
30	0.6	0.75	43.223	43.322			
35	0.5	1.00	41.576	42.196			
40	0.43	1.25	39.656	40.610			
45	0.36	1.50	38.966	41.073			✓
50	0.3	1.75	39.078	42.388			✓
60	0.25	2.00	38.027	41.719			✓
70	0.21	2.25	37.354	39.491			✓
80	0.18	2.50	36.423	37.371		✓	✓
100	0.15	2.75	34.333	34.624		✓	✓
120	0.13	3.00	35.402	35.519			✓✓
140	0.11	3.25	34.731	34.782			
170	0.09	3.50	34.299	34.312			
200	0.08	3.75	33.061	33.064			
230	0.06	4.00	32.828	32.832			
Fines	<0.06	> 4	122.802	122.805			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-178
Sampling Date: 10/9/10
Analysis Date: 6/29/12

Container wt.: C.152
Total wt.: 18.712
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.588	49.589			
18	1	0.00	46.408	46.466			
20	0.85	0.25	43.270	43.285			
25	0.71	0.50	45.700	45.766			
30	0.6	0.75	43.227	43.309			
35	0.5	1.00	41.585	41.911			
40	0.43	1.25	39.673	40.182			
45	0.36	1.50	38.992	40.255		✓	✓
50	0.3	1.75	39.075	41.563		✓	✓
60	0.25	2.00	38.059	41.001		✓	✓
70	0.21	2.25	37.365	39.615		✓	✓
80	0.18	2.50	36.432	37.681			✓
100	0.15	2.75	34.335	34.871		✓	✓
120	0.13	3.00	35.411	35.726		✓	✓
140	0.11	3.25	34.738	34.932			✓
170	0.09	3.50	34.305	34.376			
200	0.08	3.75	33.069	33.087			
230	0.06	4.00	32.838	32.853			
Fines	<0.06	> 4	122.804	122.814			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-182
Sampling Date: 10/9/10
Analysis Date: 6/29/12

Container wt.: 6.153
Total wt.: 20.885
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.581	49.586			
18	1	0.00	46.422	46.431			
20	0.85	0.25	43.274	43.282			
25	0.71	0.50	45.714	45.728			
30	0.6	0.75	43.227	43.301			
35	0.5	1.00	41.590	41.678			
40	0.43	1.25	39.678	39.816			
45	0.36	1.50	39.001	39.389		✓	
50	0.3	1.75	39.088	40.113		✓	✓
60	0.25	2.00	38.079	39.854		✓	✓
70	0.21	2.25	38.113	40.258		✓	✓
80	0.18	2.50	36.438	38.911		+	✓
100	0.15	2.75	34.346	36.420		–	✓
120	0.13	3.00	35.420	37.655			✓
140	0.11	3.25	34.741	36.344			✓
170	0.09	3.50	34.306	34.729			✓✓
200	0.08	3.75	33.071	33.159			✓✓
230	0.06	4.00	32.840	32.902			
Fines	<0.06	> 4	122.804	122.838			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-186
Sampling Date: 10/9/10
Analysis Date: 6/29/12

Container wt.: 6.152
Total wt.: 72.039
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.583	49.608			
18	1	0.00	46.426	46.501			
20	0.85	0.25	43.275	43.305			
25	0.71	0.50	45.715	45.813			
30	0.6	0.75	43.245	43.387			
35	0.5	1.00	41.591	41.926			
40	0.43	1.25	39.684	40.056		✓	
45	0.36	1.50	38.994	39.764		✓	✓
50	0.3	1.75	39.100	40.555		✓	✓
60	0.25	2.00	38.146	40.461		✓	✓
70	0.21	2.25	38.343	41.033		✓	✓
80	0.18	2.50	36.436	39.145		✓	✓
100	0.15	2.75	34.359	34.363			✓✓
120	0.13	3.00	35.448	37.048			✓✓
140	0.11	3.25	34.766	35.645			✓✓
170	0.09	3.50	34.329	34.520			✓✓
200	0.08	3.75	33.074	33.100			
230	0.06	4.00	32.849	32.864			
Fines	<0.06	> 4	122.802	122.824			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-190
Sampling Date: 10/9/10
Analysis Date: 6/29/12

Container wt.: 6.154
Total wt.: 19.870
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.580	49.586			
18	1	0.00	46.421	46.448			
20	0.85	0.25	43.279	43.280			
25	0.71	0.50	45.714	45.730			
30	0.6	0.75	43.239	43.249			
35	0.5	1.00	41.598	41.634			
40	0.43	1.25	39.693	39.785			
45	0.36	1.50	38.987	39.343		✓	
50	0.3	1.75	39.099	40.221		✓	✓
60	0.25	2.00	38.123	40.440		✓	✓
70	0.21	2.25	38.360	41.029		✓	✓
80	0.18	2.50	36.492	38.900		✓	✓
100	0.15	2.75	34.362	34.008			✓✓
120	0.13	3.00	35.425	36.840			✓✓
140	0.11	3.25	34.746	35.682			✓✓
170	0.09	3.50	34.324	34.590			✓✓
200	0.08	3.75	33.074	33.125			
230	0.06	4.00	32.845	32.890			
Fines	<0.06	> 4	122.800	122.859			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-194
Sampling Date: 10/9/10
Analysis Date: 6/29/12

Container wt.: 6.154
Total wt.: 20.792
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.584	49.584			
18	1	0.00	46.439	46.452			
20	0.85	0.25	43.279	43.285			
25	0.71	0.50	45.720	45.740			
30	0.6	0.75	43.242	43.269			
35	0.5	1.00	41.596	41.636			
40	0.43	1.25	39.683	39.755			
45	0.36	1.50	38.986	39.248		✓	
50	0.3	1.75	39.092	40.067		✓	✓
60	0.25	2.00	38.095	40.345		✓	✓
70	0.21	2.25	38.343	40.886		✓	✓
80	0.18	2.50	36.486	38.709		✓	✓✓
100	0.15	2.75	34.350	36.267		✓	✓✓
120	0.13	3.00	35.421	37.460			✓✓
140	0.11	3.25	34.752	36.234			✓✓
170	0.09	3.50	34.322	34.731			✓✓
200	0.08	3.75	33.073	33.173			
230	0.06	4.00	32.843	32.926			
Fines	<0.06	>4	122.802	122.885			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-198
Sampling Date: 10/9/10
Analysis Date: 6/29/12

Container wt.: 6.152
Total wt.: 20.723
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.582	49.634	CLUMPS & SF		
18	1	0.00	46.431	46.557	" "		
20	0.85	0.25	43.282	43.319			
25	0.71	0.50	45.722	45.766			
30	0.6	0.75	43.248	43.283		✓	
35	0.5	1.00	41.600	41.661		✓	
40	0.43	1.25	39.690	39.760		✓	
45	0.36	1.50	38.984	39.177		✓	
50	0.3	1.75	39.088	39.672		✓	✓
60	0.25	2.00	38.135	39.572		+	✓
70	0.21	2.25	38.344	40.005		+	✓
80	0.18	2.50	36.447	38.217		+	✓
100	0.15	2.75	34.350	36.053		✓	✓
120	0.13	3.00	35.443	37.920		✓	✓
140	0.11	3.25	34.763	37.119			✓
170	0.09	3.50	34.318	35.344			✓
200	0.08	3.75	33.077	33.357			
230	0.06	4.00	32.845	33.111			
Fines	<0.06	> 4	122.802	123.093			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-202
Sampling Date: 10/9/10
Analysis Date: 6/30/12

Container wt.: 6.152
Total wt.: 19.706
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.601	49.685	CLUMPS		
18	1	0.00	46.436	46.545	"		
20	0.85	0.25	43.285	43.303			
25	0.71	0.50	45.717	45.750			
30	0.6	0.75	43.246	43.269			
35	0.5	1.00	41.597	41.641		✓	
40	0.43	1.25	39.681	39.732			
45	0.36	1.50	38.982	39.131		✓	
50	0.3	1.75	39.088	39.600		✓	✓
60	0.25	2.00	38.065	39.792		✓	✓
70	0.21	2.25	38.343	41.104		✓	✓
80	0.18	2.50	36.438	39.141		+	✓
100	0.15	2.75	34.354	35.881		✓	✓✓
120	0.13	3.00	35.459	36.718		✓	✓✓
140	0.11	3.25	34.757	35.925			✓✓
170	0.09	3.50	34.328	34.968			✓✓
200	0.08	3.75	33.080	33.280			
230	0.06	4.00	32.848	33.044			
Fines	<0.06	> 4	122.805	123.055			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI4-206
Sampling Date: 10/9/10
Analysis Date: 6/29/12

Container wt.: 6.154
Total wt.: 20.165
Sample wt.:

Observations: A FEW PLANT FRAGMENTS (PF)

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.596	49.654	PF + SFs + CLUMPS		
18	1	0.00	46.433	46.498	CLUMPS		
20	0.85	0.25	43.284	43.303			
25	0.71	0.50	45.715	45.747			
30	0.6	0.75	43.247	43.262			
35	0.5	1.00	41.599	41.621			
40	0.43	1.25	39.681	39.713			
45	0.36	1.50	38.982	39.099			
50	0.3	1.75	39.088	39.526			
60	0.25	2.00	38.141	39.927			✓
70	0.21	2.25	38.362	41.419			✓
80	0.18	2.50	36.453	39.444			✓✓
100	0.15	2.75	34.347	36.168			✓✓
120	0.13	3.00	35.422	36.858			✓✓
140	0.11	3.25	34.750	35.811			✓✓
170	0.09	3.50	34.331	34.790			✓✓
200	0.08	3.75	33.081	33.241			
230	0.06	4.00	32.854	33.001			
Fines	<0.06	> 4	122.800	122.981			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-210
Sampling Date: 10/9/10
Analysis Date: 6/29/12

Container wt.: 6.153
Total wt.: 20.714
Sample wt.:

Observations: PLANT FRAGMENTS (> C14-206)

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.604	49.627	SFs & ECUMPS		
18	1	0.00	46.434	46.508	" " + PFs		
20	0.85	0.25	43.284	43.298	[redacted]		
25	0.71	0.50	45.724	45.748			
30	0.6	0.75	43.242	43.263			
35	0.5	1.00	41.594	41.630			
40	0.43	1.25	39.677	39.715		✓	
45	0.36	1.50	38.980	39.092		✓	
50	0.3	1.75	39.085	39.492		✓	
60	0.25	2.00	38.124	39.969		+	✓
70	0.21	2.25	38.355	41.482		✓	✓
80	0.18	2.50	36.452	39.431		✓	✓
100	0.15	2.75	34.353	36.227		✓	✓✓
120	0.13	3.00	35.421	36.991		✓	✓✓
140	0.11	3.25	34.745	35.959			✓✓
170	0.09	3.50	34.320	34.829			
200	0.08	3.75	33.080	33.273			
230	0.06	4.00	32.847	33.044			
Fines	<0.06	> 4	122.803	123.039			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI4-214 Container wt.: 6.152
Sampling Date: 10/9/10 Total wt.: 18.614
Analysis Date: 6/29/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.592	49.610	CLUMPS		
18	1	0.00	46.428	46.438	"		
20	0.85	0.25	43.281	43.286			
25	0.71	0.50	45.716	45.722			
30	0.6	0.75	43.243	43.247			
35	0.5	1.00	41.593	41.602			
40	0.43	1.25	39.678	39.696			
45	0.36	1.50	38.981	39.041			
50	0.3	1.75	39.087	39.378		✓	
60	0.25	2.00	38.065	39.636		✓	✓
70	0.21	2.25	38.380	41.355		✓	✓
80	0.18	2.50	36.439	39.097		✓	✓
100	0.15	2.75	34.357	35.889			✓✓
120	0.13	3.00	35.430	36.738			✓✓
140	0.11	3.25	34.749	35.827			✓✓
170	0.09	3.50	34.319	34.795			✓✓
200	0.08	3.75	33.078	33.228			
230	0.06	4.00	32.847	32.981			
Fines	<0.06	> 4	122.803	122.944			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-218
Sampling Date: 10/9/10
Analysis Date: 1/10/13

Container wt.: 6.156
Total wt.: 16.181
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.617	49.750			
18	1	0.00	46.442	46.542			
20	0.85	0.25	43.334	43.353			
25	0.71	0.50	45.769	45.804			
30	0.6	0.75	43.272	43.296			
35	0.5	1.00	41.647	41.706			
40	0.43	1.25	39.724	39.790			
45	0.36	1.50	39.071	39.224			
50	0.3	1.75	39.196	39.513			
60	0.25	2.00	38.439	39.403			
70	0.21	2.25	37.791	39.296			
80	0.18	2.50	36.529	38.193			
100	0.15	2.75	34.459	35.636			
120	0.13	3.00	35.511	36.729			
140	0.11	3.25	34.842	35.991			
170	0.09	3.50	34.368	34.978			
200	0.08	3.75	33.124	33.402			
230	0.06	4.00	32.887	33.135			
270	0.05	4.25	32.968	33.116			
325	0.05	4.50	32.988	33.086			
400	0.04	4.75	33.100	33.166			
450	0.03	5.00	32.763	32.806			
Fines	<0.03	> 5	122.823	122.845			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-722
Sampling Date: 10/9/10
Analysis Date: 8/22/12

Container wt.: 6.155
Total wt.: 20.893
Sample wt.:

Observations: FEW PLANT FRAGMENTS

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.611	49.660			
18	1	0.00	46.437	46.482			
20	0.85	0.25	43.328	43.345			
25	0.71	0.50	45.763	45.798			
30	0.6	0.75	43.256	43.308			
35	0.5	1.00	41.634	41.764			
40	0.43	1.25	39.714	39.876			
45	0.36	1.50	39.063	39.401		✓	
50	0.3	1.75	39.188	39.896		✓	
60	0.25	2.00	38.436	40.469		✓	✓
70	0.21	2.25	37.778	40.580		✓	✓
80	0.18	2.50	36.532	38.923		✓	✓
100	0.15	2.75	34.449	35.977		✓	✓
120	0.13	3.00	35.498	36.984		✓	✓
140	0.11	3.25	34.836	36.123			✓
170	0.09	3.50	34.361	35.071			
200	0.08	3.75	33.119	33.445			
230	0.06	4.00	32.883	33.141			
Fines	<0.06	> 4	122.820	123.073			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-226
Sampling Date: 10/9/10
Analysis Date: 1/10/13

Container wt.: 6.155
Total wt.: 18.384
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.608	49.618			
18	1	0.00	46.424	46.550			
20	0.85	0.25	43.328	43.360			
25	0.71	0.50	45.763	45.811			
30	0.6	0.75	43.253	43.299			
35	0.5	1.00	41.632	41.719			
40	0.43	1.25	39.713	39.814			
45	0.36	1.50	39.064	39.284			
50	0.3	1.75	39.194	39.623			
60	0.25	2.00	38.435	39.417			
70	0.21	2.25	37.763	38.771			
80	0.18	2.50	36.529	37.520			
100	0.15	2.75	34.450	35.571			
120	0.13	3.00	35.489	37.552			
140	0.11	3.25	34.839	37.135			
170	0.09	3.50	34.362	35.537			
200	0.08	3.75	33.117	33.570			
230	0.06	4.00	32.882	33.308			
270	0.05	4.25	32.966	33.290			
325	0.05	4.50	32.990	33.193			
400	0.04	4.75	33.103	33.191			
450	0.03	5.00	32.765	32.808			
Fines	<0.03	> 5	122.821	1~~32~~.843			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-230
Sampling Date: 10/9/10
Analysis Date: 1/10/13

Container wt.: 6.155
Total wt.: 19.060
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.608	49.614			
18	1	0.00	46.434	46.619			
20	0.85	0.25	43.326	43.403			
25	0.71	0.50	45.762	45.874			
30	0.6	0.75	43.250	43.354			
35	0.5	1.00	41.630	41.822			
40	0.43	1.25	39.712	39.920			
45	0.36	1.50	39.062	39.497			
50	0.3	1.75	39.190	39.981			
60	0.25	2.00	38.421	39.933			
70	0.21	2.25	37.762	39.182			
80	0.18	2.50	36.545	37.929			
100	0.15	2.75	34.448	35.875			
120	0.13	3.00	35.492	37.349			
140	0.11	3.25	34.831	36.320			
170	0.09	3.50	34.361	35.006			
200	0.08	3.75	33.117	33.412			
230	0.06	4.00	32.881	33.168			
270	0.05	4.25	32.964	33.169			
325	0.05	4.50	32.993	33.109			
400	0.04	4.75	33.100	33.188			
450	0.03	5.00	32.762	32.794			
Fines	<0.03	> 5	122.820	122.839			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C14-234
Sampling Date: 10/9/10
Analysis Date: 1/10/13

Container wt.: 6.156
Total wt.: 19.963
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.607	49.641			
18	1	0.00	46.433	46.986			
20	0.85	0.25	43.326	43.478			
25	0.71	0.50	45.763	46.031			
30	0.6	0.75	43.251	43.456			
35	0.5	1.00	41.628	41.894			
40	0.43	1.25	39.713	39.919			
45	0.36	1.50	39.065	39.375			
50	0.3	1.75	39.191	39.639			
60	0.25	2.00	38.427	39.214			
70	0.21	2.25	37.773	38.617			
80	0.18	2.50	36.530	37.529			
100	0.15	2.75	34.454	35.859			
120	0.13	3.00	35.491	37.729			
140	0.11	3.25	34.836	36.907			
170	0.09	3.50	34.357	35.444			
200	0.08	3.75	33.116	33.645			
230	0.06	4.00	32.881	33.480			
270	0.05	4.25	32.964	33.586			
325	0.05	4.50	32.993	33.248			
400	0.04	4.75	33.100	33.175			
450	0.03	5.00	32.762	32.817			
Fines	<0.03	> 5	122.821	122.854			

Vibracore C15

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-002
Sampling Date: 3/12/11
Analysis Date: 7/6/12

Container wt.: 6.154
Total wt.: 20.677
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.609	49.801			
18	1	0.00	46.451	46.551			
20	0.85	0.25	43.302	43.329			
25	0.71	0.50	45.734	45.787			
30	0.6	0.75	43.262	43.317			
35	0.5	1.00	41.613	41.740			
40	0.43	1.25	39.697	39.889		~~✓~~	
45	0.36	1.50	~~39.000~~	39.559			✓
50	0.3	1.75	39.107	40.558			✓
60	0.25	2.00	38.078	41.166			✓
70	0.21	2.25	38.379	41.685			✓
80	0.18	2.50	36.491	38.908			✓✓
100	0.15	2.75	34.369	35.556			✓✓
120	0.13	3.00	35.455	36.333			✓✓
140	0.11	3.25	34.768	35.332			✓✓
170	0.09	3.50	34.335	34.513			✓✓
200	0.08	3.75	33.098	33.130			✓✓
230	0.06	4.00	32.868	32.883			
Fines	<0.06	> 4	122.806	122.823			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIS-006
Sampling Date: 3/12/11
Analysis Date: 7/6/12

Container wt.: 6.152
Total wt.: 22.980
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.606	49.776			
18	1	0.00	46.443	46.542			
20	0.85	0.25	43.301	43.339			
25	0.71	0.50	45.733	45.812			
30	0.6	0.75	43263	43.368			
35	0.5	1.00	41.617	41.879			
40	0.43	1.25	39.700	40.063			
45	0.36	1.50	39.005	39.985			✓
50	0.3	1.75	39.110	41.339			✓
60	0.25	2.00	38.113	41.780			✓
70	0.21	2.25	38.400	41.946			✓✓
80	0.18	2.50	34.483	38.800			✓✓
100	0.15	2.75	34.375	35.477			✓✓
120	0.13	3.00	35.450	36.276			✓✓
140	0.11	3.25	34.761	35.318			✓✓
170	0.09	3.50	34.330	34.551			✓✓
200	0.08	3.75	33.093	33.133			
230	0.06	4.00	32.863	32.881			
Fines	<0.06	> 4	122.801	122.828			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-010
Sampling Date: 3/12/11
Analysis Date: 7/6/12

Container wt.: 6.153
Total wt.: 21.546
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.603	49.616			
18	1	0.00	46.442	46.489			
20	0.85	0.25	43.298	43.325			
25	0.71	0.50	45.734	45.793			
30	0.6	0.75	43.262	43.354			
35	0.5	1.00	41.617	41.867			
40	0.43	1.25	39.699	40.056			
45	0.36	1.50	39.014	39.918			
50	0.3	1.75	39.115	41.142			✓
60	0.25	2.00	38.142	41.759			✓
70	0.21	2.25	38.413	41.734			✓
80	0.18	2.50	36.481	38.615			✓✓
100	0.15	2.75	34.368	35.367			✓✓
120	0.13	3.00	35.441	36.145			✓✓
140	0.11	3.25	34.760	35.227			✓✓
170	0.09	3.50	34.326	34.490			✓✓
200	0.08	3.75	33.089	33.122			
230	0.06	4.00	32.860	32.876			
Fines	<0.06	> 4	122.803	122.826			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI5-014
Sampling Date: 3/12/11
Analysis Date: 7/6/12

Container wt.: 6.153
Total wt.: 22.258
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.602	49.883			
18	1	0.00	46.439	46.526			
20	0.85	0.25	43.297	43.322			
25	0.71	0.50	45.733	45.791			
30	0.6	0.75	43.266	43.350			
35	0.5	1.00	41.618	41.902			
40	0.43	1.25	39.696	40.089			
45	0.36	1.50	39.013	40.023			✓
50	0.3	1.75	39.111	41.339			✓
60	0.25	2.00	38.144	41.772			✓
70	0.21	2.25	38.405	41.707			✓
80	0.18	2.50	36.466	38.575			✓✓
100	0.15	2.75	34.364	35.374			✓✓
120	0.13	3.00	35.437	36.169			✓✓
140	0.11	3.25	34.757	35.279			✓✓
170	0.09	3.50	34.314	34.506			✓✓
200	0.08	3.75	33.090	33.121			
230	0.06	4.00	32.860	32.878			
Fines	<0.06	> 4	122.803	122.828			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-C18
Sampling Date: 3/12/11
Analysis Date: 7/6/12

Container wt.: 6.153
Total wt.: 20.461
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.597	49.641			
18	1	0.00	46.441	46.544			
20	0.85	0.25	43.293	43.321			
25	0.71	0.50	45.727	45.794			
30	0.6	0.75	43.263	43.351			
35	0.5	1.00	41.611	41.857			
40	0.43	1.25	39.697	40.052			
45	0.36	1.50	39.004	39.958			
50	0.3	1.75	39.108	41.157			
60	0.25	2.00	38.102	41.447			
70	0.21	2.25	38.415	41.412			✓
80	0.18	2.50	36.461	38.245			✓
100	0.15	2.75	34.363	35.192			✓
120	0.13	3.00	35.434	36.024			✓
140	0.11	3.25	34.755	35.182			✓
170	0.09	3.50	34.311	34.473			✓
200	0.08	3.75	33.089	33.124			
230	0.06	4.00	32.858	32.875			
Fines	<0.06	> 4	122.804	122.826			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-022
Sampling Date: 3/12/11
Analysis Date: 7/6/12

Container wt.: 6.151
Total wt.: 20.025
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.597	49.720			
18	1	0.00	46.438	46.484			
20	0.85	0.25	43.295	43.332			
25	0.71	0.50	45.730	45.787			
30	0.6	0.75	43.260	43.336			
35	0.5	1.00	41.615	41.827			
40	0.43	1.25	39.699	39.995			
45	0.36	1.50	39.004	39.742			
50	0.3	1.75	39.108	40.792			✓
60	0.25	2.00	38.143	41.300			✓
70	0.21	2.25	38.416	41.521			✓
80	0.18	2.50	36.469	38.411			✓✓
100	0.15	2.75	34.358	35.312			✓✓
120	0.13	3.00	35.439	36.086			✓✓
140	0.11	3.25	34.753	35.154			✓✓
170	0.09	3.50	34.311	34.464			✓✓
200	0.08	3.75	33.087	33.117			
230	0.06	4.00	32.853	32.870			
Fines	<0.06	> 4	122.803	122.821			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIB-026
Sampling Date: 3/12/11
Analysis Date: 7/6/12

Container wt.: 6.153
Total wt.: 19.072
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.594	50.007			
18	1	0.00	46.435	46.605			
20	0.85	0.25	43.295	43.352			
25	0.71	0.50	45.929	45.858			
30	0.6	0.75	43.259	43.404			
35	0.5	1.00	41.612	41.951			
40	0.43	1.25	39.696	40.095			
45	0.36	1.50	39.001	39.983			✓
50	0.3	1.75	39.600	40.871			✓
60	0.25	2.00	38.140	40.687			✓
70	0.21	2.25	38.406	40.855			✓
80	0.18	2.50	36.462	38.040			✓✓
100	0.15	2.75	34.362	35.116			✓✓
120	0.13	3.00	35.430	35.983			✓✓
140	0.11	3.25	34.749	35.065			✓✓
170	0.09	3.50	34.310	34.420			✓✓
200	0.08	3.75	33.084	33.104			
230	0.06	4.00	32.855	32.863			
Fines	<0.06	>4	122.802	122.815			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIB-030
Sampling Date: 3/12/11
Analysis Date: 7/6/12

Container wt.: 6.154
Total wt.: 19.436
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.591	49.956			
18	1	0.00	46.433	46.771			
20	0.85	0.25	43.292	43.412			
25	0.71	0.50	45.728	45.924			
30	0.6	0.75	43.257	43.494			
35	0.5	1.00	41.610	42.115			
40	0.43	1.25	39.690	40.202			
45	0.36	1.50	38.999	39.972			
50	0.3	1.75	39.102	40.760			✓
60	0.25	2.00	38.139	40.781			✓
70	0.21	2.25	38.399	40.833			✓
80	0.18	2.50	36.467	38.034			✓✓
100	0.15	2.75	34.358	35.086			✓✓
120	0.13	3.00	34.431	35.907			✓✓
140	0.11	3.25	34.749	35.022			✓✓
170	0.09	3.50	34.309	34.376			✓✓
200	0.08	3.75	33.684	33.093			
230	0.06	4.00	32.852	32.857			
Fines	<0.06	> 4	122.805	122.810			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI5-034
Sampling Date: 3/12/11
Analysis Date: 7/6/12

Container wt.: 6.152
Total wt.: 18.422
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.595	49.871			
18	1	0.00	46.426	46.587			
20	0.85	0.25	43.291	43.374			
25	0.71	0.50	45.726	45.868			
30	0.6	0.75	43.257	43.419			
35	0.5	1.00	41.611	42.005			
40	0.43	1.25	39.692	40.116			
45	0.36	1.50	39.007	39.978			✓
50	0.3	1.75	39.112	40.752			✓
60	0.25	2.00	38.187	40.753			✓
70	0.21	2.25	38.408	40.690			✓
80	0.18	2.50	36.457	37.879			✓✓
100	0.15	2.75	34.360	35.111			✓✓
120	0.13	3.00	35.430	35.929			✓✓
140	0.11	3.25	34.748	35.043			✓✓
170	0.09	3.50	34.307	34.389			
200	0.08	3.75	33.083	33.093			
230	0.06	4.00	32.851	32.853			
Fines	<0.06	> 4	122.804	122.813			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI5-038
Sampling Date: 3/12/11
Analysis Date: 7/6/12

Container wt.: 6.151
Total wt.: 21.349
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.608	49.623			
18	1	0.00	46.430	46.514			
20	0.85	0.25	43.291	43.320			
25	0.71	0.50	45.725	45.806			
30	0.6	0.75	43.256	43.414			
35	0.5	1.00	41.680	42.016			
40	0.43	1.25	39.692	40.176			
45	0.36	1.50	39.609	40.215			
50	0.3	1.75	39.108	41.343			✓
60	0.25	2.00	38.127	41.625			✓
70	0.21	2.25	38.402	41.447			✓
80	0.18	2.50	34.464	38.367			✓✓
100	0.15	2.75	34.358	35.314			✓✓
120	0.13	3.00	35.425	36.009			✓✓
140	0.11	3.25	34.746	35.066			✓✓
170	0.09	3.50	34.306	34.394			✓✓
200	0.08	3.75	33.081	33.092			
230	0.06	4.00	32.850	32.851			
Fines	<0.06	> 4	122.803	122.807			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIS-0412
Sampling Date: 3/12/11
Analysis Date: 7/18/12

Container wt.: 6.152
Total wt.: 22.199
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.630	49.759			
18	1	0.00	46.452	46.549			
20	0.85	0.25	43.313	43.344			
25	0.71	0.50	45.745	45.851			
30	0.6	0.75	43.289	43.480			
35	0.5	1.00	41.639	42.034			
40	0.43	1.25	39.722	40.178			
45	0.36	1.50	39.033	40.235			
50	0.3	1.75	39.145	41.857			✓
60	0.25	2.00	38.148	41.867			✓
70	0.21	2.25	37.618	40.751			✓
80	0.18	2.50	36.496	38.525			✓✓
100	0.15	2.75	34.386	35.264			✓✓
120	0.13	3.00	35.455	35.925			✓✓
140	0.11	3.25	34.773	35.020			✓✓
170	0.09	3.50	34.332	34.397			✓✓
200	0.08	3.75	33.105	33.113			
230	0.06	4.00	32.875	32.876			
Fines	<0.06	> 4	22.806	22.808			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI5-046
Sampling Date: 3/12/11
Analysis Date: 7/18/12

Container wt.: 6.150
Total wt.: 22.371
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.644	49.662			
18	1	0.00	46.461	46.471			
20	0.85	0.25	43.314	43.315			
25	0.71	0.50	45.749	45.772			
30	0.6	0.75	43.308	43.361			
35	0.5	1.00	41.652	41.812			
40	0.43	1.25	39.731	40.087			
45	0.36	1.50	39.039	40.385			
50	0.3	1.75	39.153	43.228			
60	0.25	2.00	38.150	42.741			
70	0.21	2.25	37.654	40.806			
80	0.18	2.50	36.507	37.927			✓
100	0.15	2.75	34.386	34.908			✓✓
120	0.13	3.00	35.455	35.697			✓✓
140	0.11	3.25	34.771	34.902			✓✓
170	0.09	3.50	34.331	34.368			✓✓
200	0.08	3.75	33.105	33.109			
230	0.06	4.00	32.873	32.875			
Fines	<0.06	> 4	122.804	122.809			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI5-050
Sampling Date: 3/12/4
Analysis Date: 7/18/12

Container wt.: 6.152
Total wt.: 22.833
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.634	49.832			
18	1	0.00	46.458	46.595			
20	0.85	0.25	43.312	43.369			
25	0.71	0.50	45.747	45.884			
30	0.6	0.75	43.313	43.555			
35	0.5	1.00	41.659	42.093			
40	0.43	1.25	39.739	40.254			
45	0.36	1.50	39.045	40.693			
50	0.3	1.75	39.165	42.384			
60	0.25	2.00	38.160	42.149			✓
70	0.21	2.25	37.653	40.774			✓
80	0.18	2.50	36.487	38.112			✓
100	0.15	2.75	34.384	35.007			✓✓
120	0.13	3.00	35.450	35.730			✓✓
140	0.11	3.25	34.769	34.892			✓✓
170	0.09	3.50	34.328	34.362			
200	0.08	3.75	33.102	33.110			
230	0.06	4.00	32.870	32.875			
Fines	<0.06	> 4	122.803	122.807			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-054
Sampling Date: 3/12/11
Analysis Date: 7/18/12

Container wt.: 6.152
Total wt.: 22.178
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.635	49.652			
18	1	0.00	46.460	46.554			
20	0.85	0.25	43.311	43.337			
25	0.71	0.50	45.745	45.793			
30	0.6	0.75	43.342	43.403			
35	0.5	1.00	41.654	41.859			
40	0.43	1.25	39.722	40.006			
45	0.36	1.50	39.041	39.762			
50	0.3	1.75	39.152	40.674			
60	0.25	2.00	38.146	41.104			
70	0.21	2.25	37.656	41.015			✓
80	0.18	2.50	36.499	39.074			✓
100	0.15	2.75	34.383	35.996			✓✓
120	0.13	3.00	35.450	36.717			✓✓
140	0.11	3.25	34.769	35.594			✓✓
170	0.09	3.50	34.330	34.554			✓✓
200	0.08	3.75	33.102	33.125			
230	0.06	4.00	32.872	32.877			
Fines	<0.06	> 4	122.804	122.810			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIS-058 Container wt.: 6.153
Sampling Date: 3/12/11 Total wt.: 22.186
Analysis Date: 7/18/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.630	49.813			
18	1	0.00	46.460	46.644			
20	0.85	0.25	43.312	43.375			
25	0.71	0.50	45.745	45.886			
30	0.6	0.75	43.325	43.501			
35	0.5	1.00	41.653	42.166			
40	0.43	1.25	39.725	40.302			
45	0.36	1.50	39.035	40.173			
50	0.3	1.75	39.144	41.132			✓
60	0.25	2.00	38.176	40.963			✓
70	0.21	2.25	37.656	40.880			✓
80	0.18	2.50	36.498	38.648			✓✓
100	0.15	2.75	34.391	35.471			✓✓
120	0.13	3.00	35.457	36.147			✓✓
140	0.11	3.25	34.767	35.202			✓✓
170	0.09	3.50	34.327	34.445			✓✓
200	0.08	3.75	33.101	33.118			
230	0.06	4.00	32.872	32.875			
Fines	<0.06	> 4	122.804	122.810			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-CG2
Sampling Date: 3/12/11
Analysis Date: 7/18/12

Container wt.: 6.152
Total wt.: 20.468
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.629	50.702			
18	1	0.00	46.451	46.930			
20	0.85	0.25	43.306	43.459			
25	0.71	0.50	45.744	46.029			
30	0.6	0.75	43.317	43.622			
35	0.5	1.00	41.657	42.337			
40	0.43	1.25	39.731	40.429			
45	0.36	1.50	39.040	40.476			
50	0.3	1.75	39.146	41.333			✓
60	0.25	2.00	38.182	41.086			✓
70	0.21	2.25	37.658	39.860			✓
80	0.18	2.50	36.489	37.641			✓✓
100	0.15	2.75	34.393	34.795			✓✓
120	0.13	3.00	35.455	35.630			✓✓
140	0.11	3.25	34.767	34.844			✓✓
170	0.09	3.50	34.329	34.348			✓✓
200	0.08	3.75	33.102	33.102			
230	0.06	4.00	32.872	32.871			
Fines	<0.06	> 4	122.805	122.811			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-066
Sampling Date: 3/12/11
Analysis Date: 7/18/12

Container wt.: 6.153
Total wt.: 20.503
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.640	50.046			
18	1	0.00	46.451	46.682			
20	0.85	0.25	43.314	43.387			
25	0.71	0.50	45.743	45.862			
30	0.6	0.75	43.312	43.481			
35	0.5	1.00	41.649	42.076			
40	0.43	1.25	39.725	40.177			
45	0.36	1.50	39.040	40.063			
50	0.3	1.75	39.140	41.154			
60	0.25	2.00	38.182	41.607			✓
70	0.21	2.25	37.653	40.727			✓
80	0.18	2.50	36.498	38.255			✓✓
100	0.15	2.75	34.382	35.032			✓✓
120	0.13	3.00	35.446	35.727			✓✓
140	0.11	3.25	34.766	34.875			✓✓
170	0.09	3.50	34.328	34.353			
200	0.08	3.75	33.099	33.102			
230	0.06	4.00	32.871	32.871			
Fines	<0.06	> 4	122.804	122.810			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI5-070
Sampling Date: 3/12/11
Analysis Date: 7/18/12

Container wt.: 6.153
Total wt.: 21.402
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.626	49.696			
18	1	0.00	46.453	46.535			
20	0.85	0.25	43.309	43.348			
25	0.71	0.50	45.741	45.821			
30	0.6	0.75	43.303	43.426			
35	0.5	1.00	41.649	41.929			
40	0.43	1.25	39.718	40.033			
45	0.36	1.50	39.038	39.873			
50	0.3	1.75	39.139	41.006			
60	0.25	2.00	38.131	41.558			✓
70	0.21	2.25	37.654	41.359			✓
80	0.18	2.50	36.491	38.816			✓
100	0.15	2.75	34.381	35.376			✓✓
120	0.13	3.00	35.444	35.908			✓✓
140	0.11	3.25	34.764	34.980			✓✓
170	0.09	3.50	34.327	34.387			✓✓
200	0.08	3.75	33.099	33.112			
230	0.06	4.00	32.870	32.875			
Fines	<0.06	> 4	122.807	122.820			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIS-074
Sampling Date: 8/12/11
Analysis Date: 7/18/12

Container wt.: 6.153
Total wt.: 22.003
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.624	49.701			
18	1	0.00	46.453	46.579			
20	0.85	0.25	43.309	43.355			
25	0.71	0.50	45.742	45.865			
30	0.6	0.75	43.300	43.455			
35	0.5	1.00	41.652	41.989			
40	0.43	1.25	39.721	40.131			
45	0.36	1.50	39.037	39.985			
50	0.3	1.75	39.141	41.120			✓
60	0.25	2.00	38.151	41.571			✓
70	0.21	2.25	37.682	41.401			✓
80	0.18	2.50	36.481	38.797			✓
100	0.15	2.75	34.382	35.355			✓✓
120	0.13	3.00	35.445	35.866			✓✓
140	0.11	3.25	34.765	34.[redacted]940			✓✓
170	0.09	3.50	34.324	34.376			✓✓
200	0.08	3.75	33.100	33.108			
230	0.06	4.00	32.870	32.874			
Fines	<0.06	> 4	122.805	122.830			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-078
Sampling Date: 3/12/11
Analysis Date: 7/18/12

Container wt.: 6.154
Total wt.: 17.001
Sample wt.:

Observations: PLANT MATERIAL

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.619	49.643			
18	1	0.00	46.454	46.490			
20	0.85	0.25	43.310	43.315			
25	0.71	0.50	45.741	45.770			
30	0.6	0.75	43.297	43 326			
35	0.5	1.00	41.646	41.733			
40	0.43	1.25	39.723	39.845			
45	0.36	1.50	39.036	39.379			
50	0.3	1.75	39.140	40.006			✓
60	0.25	2.00	38.159	40.289			✓
70	0.21	2.25	37.671	40.545			✓
80	0.18	2.50	36.497	38.748			✓
100	0.15	2.75	34.381	35.414			✓
120	0.13	3.00	35.444	35.922			✓
140	0.11	3.25	34.780	34.956			✓✓
170	0.09	3.50	34.326	34.368			✓
200	0.08	3.75	33 098	33.113			
230	0.06	4.00	32.867	32.882			
Fines	<0.06	> 4	122.805	122.853			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI5 - 082
Sampling Date: 3/12/11
Analysis Date: 7/19/12

Container wt.: 6.153
Total wt.: 21.439
Sample wt.: _____

Observations: PLANT MATERIAL + PIECES OF WOOD (~1" IN LENGTH)

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.622	50.855	CLUMPS		
18	1	0.00	46.451	46.815	CLUMPS		
20	0.85	0.25	43.312	43.376			
25	0.71	0.50	45.742	45.806			
30	0.6	0.75	43.300	43.358			
35	0.5	1.00	41.650	41.736		?	
40	0.43	1.25	39.726	39.832		?	
45	0.36	1.50	39.039	39.309			
50	0.3	1.75	39.140	39.781			✓
60	0.25	2.00	38.204	39.770		✓	✓
70	0.21	2.25	37.670	40.428		✓	✓
80	0.18	2.50	36.495	39.456		✓	✓
100	0.15	2.75	34.387	36.417			✓
120	0.13	3.00	35.449	37.128			✓
140	0.11	3.25	34.770	35.418			✓
170	0.09	3.50	34.332	34.483			✓
200	0.08	3.75	33.005	33.164			
230	0.06	4.00	32.872	32.938			
Fines	<0.06	> 4	122.805	122.961			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIS-086
Sampling Date: 3/12/11
Analysis Date: 7/19/12

Container wt.: 6.154
Total wt.: 18.982
Sample wt.:

Observations: PLANT MATERIAL

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.619	49.948	CLUMPS		
18	1	0.00	46.452	46.607	CLUMPS		
20	0.85	0.25	43.316	43328			
25	0.71	0.50	45.746	45.772			
30	0.6	0.75	43.307	43.329			
35	0.5	1.00	41.652	41.680			
40	0.43	1.25	39.727	39.765			
45	0.36	1.50	39.037	39.176			
50	0.3	1.75	39.147	39.640			✓
60	0.25	2.00	38.152	39.703		?	✓
70	0.21	2.25	37.704	40.551		✓	✓
80	0.18	2.50	36.496	39.110			✓
100	0.15	2.75	34.405	36.024			✓
120	0.13	3.00	35.453	36.815			✓✓
140	0.11	3.25	34.770	35.451			✓✓
170	0.09	3.50	34.332	34.542			✓✓
200	0.08	3.75	33.105	33.177			
230	0.06	4.00	32.876	32.947			
Fines	<0.06	> 4	122.803	122.947			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI5-090
Sampling Date: 3/12/11
Analysis Date: 7/19/12

Container wt.: 6.151
Total wt.: 19.620
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.618	49.640			
18	1	0.00	46.451	46.454			
20	0.85	0.25	43.313	43.313			
25	0.71	0.50	45.744	45.744			
30	0.6	0.75	43.271	43.280			
35	0.5	1.00	41.650	41.676			
40	0.43	1.25	39.725	39.794			
45	0.36	1.50	39.037	39.359			
50	0.3	1.75	39.140	40.265			✓
60	0.25	2.00	38.184	40.859			✓
70	0.21	2.25	37.685	41.252			✓
80	0.18	2.50	36.488	38.827			✓✓
100	0.15	2.75	34.399	35.584			✓✓
120	0.13	3.00	35.453	36.276			✓✓
140	0.11	3.25	34.769	35.236			✓✓
170	0.09	3.50	34.329	34.473			✓✓
200	0.08	3.75	33.103	33.139			
230	0.06	4.00	32.870	32.895			
Fines	<0.06	> 4	122.808	122.837			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI5-094
Sampling Date: 3/12/11
Analysis Date: 7/19/12

Container wt.: 6.154
Total wt.: 21.662
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.620	49.620			
18	1	0.00	46.450	46.464			
20	0.85	0.25	43.310	43.313			
25	0.71	0.50	45.742	45.747			
30	0.6	0.75	43.271	43.271			
35	0.5	1.00	41.649	41.662			
40	0.43	1.25	39.722	39.763			
45	0.36	1.50	39.037	39.240			
50	0.3	1.75	39.137	40.080			✓
60	0.25	2.00	38.179	41.591			✓
70	0.21	2.25	37.703	42.097			✓
80	0.18	2.50	36.509	39.371			✓
100	0.15	2.75	34.392	35.857			✓✓
120	0.13	3.00	35.452	36.474			✓✓
140	0.11	3.25	34.768	35.366			✓✓
170	0.09	3.50	34.329	34.518			✓✓
200	0.08	3.75	33.104	33.143			✓✓
230	0.06	4.00	32.870	32.891			
Fines	<0.06	> 4	122.805	122.833			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIS-C98
Sampling Date: 3/12/11
Analysis Date: 7/19/12

Container wt.: 6.153
Total wt.: 22.4115
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.616	49.658	CLUMP		
18	1	0.00	46.450	46.467			
20	0.85	0.25	43.311	43.314			
25	0.71	0.50	45.741	45.750			
30	0.6	0.75	43.264	43.276			
35	0.5	1.00	41.643	41.672			
40	0.43	1.25	39.717	39.764			
45	0.36	1.50	39.031	39.221			
50	0.3	1.75	39.135	39.815			
60	0.25	2.00	38.219	40.710			✓
70	0.21	2.25	37.688	41.750		✓	✓
80	0.18	2.50	34.500	39.880			~
100	0.15	2.75	34.389	36.499			✓
120	0.13	3.00	35.454	36.987			✓✓
140	0.11	3.25	34.769	35.685			✓✓
170	0.09	3.50	34.325	34.631			✓✓
200	0.08	3.75	33.099	33.173			
230	0.06	4.00	32.867	32.909			
Fines	<0.06	> 4	122.806	122.870			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI5-102
Sampling Date: 3/12/11
Analysis Date: 8/16/12

Container wt.: 6.158
Total wt.: 19.360
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.619	49.650			
18	1	0.00	46.441	46.588			
20	0.85	0.25	43.346	43.409			
25	0.71	0.50	45.774	45.892			
30	0.6	0.75	43.285	43.378			
35	0.5	1.00	41.653	41.841			
40	0.43	1.25	39.745	39.985			
45	0.36	1.50	39.660	39.750			
50	0.3	1.75	39.209	40.555			
60	0.25	2.00	38.490	41.232			
70	0.21	2.25	37.779	39.772			✓
80	0.18	2.50	36.557	37.730			✓✓
100	0.15	2.75	34.498	35.104			✓✓
120	0.13	3.00	35.530	36.106			✓✓
140	0.11	3.25	34.830	35.504			✓✓
170	0.09	3.50	34.361	34.996			✓
200	0.08	3.75	33.117	33.557			
230	0.06	4.00	32.883	33.404			
270	0.05	4.25	32.940	33.218			
325	0.05	4.50	32.866	33.084			
400	0.04	4.75	33.050	33.234			
450	0.03	5.00	32.678	32.762			
Fines	<0.03	> 5	122.820	122.930			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-106
Sampling Date: 3/12/11
Analysis Date: 8/16/12

Container wt.: 6.157
Total wt.: 16.467
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.621	50.111			
18	1	0.00	46.439	47.703			
20	0.85	0.25	43.545	43.684			
25	0.71	0.50	45.776	46.158			
30	0.6	0.75	43.284	43.587			
35	0.5	1.00	41.653	41.963			
40	0.43	1.25	39.748	39.952			
45	0.36	1.50	39.105	39.363			
50	0.3	1.75	39.224	39.452			
60	0.25	2.00	38.527	38.811			
70	0.21	2.25	37.790	38.048			✓
80	0.18	2.50	36.556	36.808			✓✓
100	0.15	2.75	34.491	34.737			✓✓
120	0.13	3.00	35.514	35.986			
140	0.11	3.25	34.824	35.769			
170	0.09	3.50	34.359	35.364			
200	0.08	3.75	33120	33848			
230	0.06	4.00	32.883	33720			
270	0.05	4.25	32.943	33.262			
325	0.05	4.50	32.863	33.211			
400	0.04	4.75	33.049	33.396			
450	0.03	5.00	32.678	32.840			
Fines	<0.03	> 5	122.819	123.000			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-110
Sampling Date: 3/12/11
Analysis Date: 8/16/12

Container wt.: 6.158
Total wt.: 19.447
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.628	50.096			
18	1	0.00	46.451	47.081			
20	0.85	0.25	43.351	43.647			
25	0.71	0.50	45.783	46.238			
30	0.6	0.75	43.360	43.727			
35	0.5	1.00	41.660	42.130			
40	0.43	1.25	39.751	40.081			
45	0.36	1.50	39.108	39.534			
50	0.3	1.75	39.221	39.677			
60	0.25	2.00	38.508	39.280			✓
70	0.21	2.25	37.798	38.386			✓
80	0.18	2.50	36.549	37.078			✓
100	0.15	2.75	34.489	34.960			
120	0.13	3.00	35.512	36.307			
140	0.11	3.25	34.823	35.899			
170	0.09	3.50	34.362	35.639			
200	0.08	3.75	33.122	34.007			
230	0.06	4.00	32.884	34.222			
270	0.05	4.25	32.943	33.277			
325	0.05	4.50	32.868	33.318			
400	0.04	4.75	33.047	33.545			
450	0.03	5.00	32.680	32.951			
Fines	<0.03	> 5	122.819	123.130			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI5-114
Sampling Date: 3/12/11
Analysis Date: 8/16/12

Container wt.: 6.155
Total wt.: 14.053
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.620	49.621			
18	1	0.00	46.457	46.496			
20	0.85	0.25	43.349	43.401			
25	0.71	0.50	45.788	45.866			
30	0.6	0.75	43.313	43.357			
35	0.5	1.00	41.671	41.774			
40	0.43	1.25	39.756	39.842		✓	
45	0.36	1.50	39.113	39.231		✓	
50	0.3	1.75	34.229	39.385		✓	
60	0.25	2.00	38.528	38.806			
70	0.21	2.25	37.798	38.204		✓	
80	0.18	2.50	36.553	37.445		✓	✓
100	0.15	2.75	34.488	36.699			✓
120	0.13	3.00	35.515	34.256			✓
140	0.11	3.25	34.824	37.024			
170	0.09	3.50	34.368	35.118			
200	0.08	3.75	33.127	33.548			
230	0.06	4.00	32.888	33.308			
270	0.05	4.25	32.980	33.097			
325	0.05	4.50	32.867	33.022			
400	0.04	4.75	33.041	33.200			
450	0.03	5.00	32.676	32.756			
Fines	<0.03	> 5	122.821	122.991			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-118
Sampling Date: 3/12/11
Analysis Date: 8/13/12

Container wt.: 6.155
Total wt.: 19.206
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.626	49.626			
18	1	0.00	46.436	46.525			
20	0.85	0.25	43.346	43.417			
25	0.71	0.50	45.775	45.890			
30	0.6	0.75	43.290	43.380			
35	0.5	1.00	41.660	41.775		✓	
40	0.43	1.25	39.748	39.824		✓	
45	0.36	1.50	39.109	39.206		✓	
50	0.3	1.75	39.215	39.311		✓	
60	0.25	2.00	38.500	38.641		+	
70	0.21	2.25	37.773	38.022		✓	
80	0.18	2.50	34.563	37.253		✓	✓
100	0.15	2.75	34.482	36.238		✓	✓
120	0.13	3.00	35.501	38.516			✓
140	0.11	3.25	34.810	37.208			✓
170	0.09	3.50	34.351	35.524			
200	0.08	3.75	33.115	33.815			
230	0.06	4.00	32.884	33.764			
270	0.05	4.25	32.938	33.253			
325	0.05	4.50	32.862	33.173			
400	0.04	4.75	33.038	33.313			
450	0.03	5.00	32.678	32.796			
Fines	<0.03	> 5	122.822	122.877			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-122
Sampling Date: 3/12/11
Analysis Date: 8/13/12

Container wt.: 6.155
Total wt.: 19.976
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.624	219.772			
18	1	0.00	46.436	47.069			
20	0.85	0.25	43.339	43.680			
25	0.71	0.50	45.774	46.139			
30	0.6	0.75	43.289	43.581			
35	0.5	1.00	41.658	41.994			
40	0.43	1.25	39.749	39.994			
45	0.36	1.50	39.105	39.387		✓	
50	0.3	1.75	39.212	39.504		✓	
60	0.25	2.00	38.494	38.825		✓	
70	0.21	2.25	37.773	38.118		✓	
80	0.18	2.50	36.558	36.952		✓	✓
100	0.15	2.75	34.478	35.283		✓	✓
120	0.13	3.00	35.507	37.316			✓
140	0.11	3.25	34.807	36.885			
170	0.09	3.50	34.362	35.756			
200	0.08	3.75	33.129	34.119			
230	0.06	4.00	32.894	33.914			
270	0.05	4.25	32.938	33.251			
325	0.05	4.50	32.860	33.312			
400	0.04	4.75	33.039	33.458			
450	0.03	5.00	32.689	32.863			
Fines	<0.03	> 5	122.821	122.949			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-126
Sampling Date: 3/12/11
Analysis Date: 8/13/12

Container wt.: 6.155
Total wt.: 18.019
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.636	49.729			
18	1	0.00	46.455	46.796			
20	0.85	0.25	43.361	43.488			
25	0.71	0.50	45.784	45.990			
30	0.6	0.75	43.298	43.471			
35	0.5	1.00	41.672	41.889			
40	0.43	1.25	39.754	39.919		✓	
45	0.36	1.50	39.116	39.324		✓	
50	0.3	1.75	39.231	39.457		✓	
60	0.25	2.00	38.501	38.808		+	✓
70	0.21	2.25	37.788	38.050		✓	✓
80	0.18	2.50	36.549	36.976		✓	✓
100	0.15	2.75	34.477	35.628		✓	✓
120	0.13	3.00	35.509	37.995			✓
140	0.11	3.25	34.809	36.901			✓
170	0.09	3.50	34.357	35.239			
200	0.08	3.75	33.121	33.622			
230	0.06	4.00	32.889	33.401			
270	0.05	4.25	32.938	33.143			
325	0.05	4.50	32.860	33.138			
400	0.04	4.75	33.038	33.338			
450	0.03	5.00	32.675	32.815			
Fines	<0.03	> 5	122.821	122.941			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-130
Sampling Date: 3/12/11
Analysis Date: 8/13/12

Container wt.: 6.156
Total wt.: 19.034
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.638	49.643			
18	1	0.00	46.451	46.535			
20	0.85	0.25	43.359	43.394			
25	0.71	0.50	45.784	45.861			
30	0.6	0.75	43.297	43.341			
35	0.5	1.00	41.670	41.755		✓	
40	0.43	1.25	39.753	39.819		✓	
45	0.36	1.50	39.113	39.205		+	
50	0.3	1.75	39.219	39.311		+	
60	0.25	2.00	38.504	38.626		+	
70	0.21	2.25	37.781	37.959		+	
80	0.18	2.50	36.549	37.610		✓	✓
100	0.15	2.75	34.476	37.107		✓	✓
120	0.13	3.00	35.516	39.451			✓
140	0.11	3.25	34.814	37.395			
170	0.09	3.50	34.353	35.034			
200	0.08	3.75	33.113	33.299			
230	0.06	4.00	32.885	33.011			
270	0.05	4.25	32.938	32.992			
325	0.05	4.50	32.863	32.907			
400	0.04	4.75	33.037	33.084			
450	0.03	5.00	32.678	32.694			
Fines	<0.03	> 5	122.820	122.861			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-134
Sampling Date: 3/12/11
Analysis Date: 8/13/12

Container wt.: 6.155
Total wt.: 17.594
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	19.626	49.631			
18	1	0.00	46.443	46.509			
20	0.85	0.25	43.346	43.429			
25	0.71	0.50	45.778	45.898			
30	0.6	0.75	43.285	43.378			
35	0.5	1.00	41.658	41.788		✓	
40	0.43	1.25	39.745	39.846		✓	
45	0.36	1.50	39.105	39.243		✓	
50	0.3	1.75	39.206	39.344		✓	
60	0.25	2.00	38.490	38.663		+	
70	0.21	2.25	37.771	37.961		+	
80	0.18	2.50	36.652	36.992		✓	✓
100	0.15	2.75	34.482	35.857			✓✓
120	0.13	3.00	35.518	38.473			✓✓
140	0.11	3.25	34.822	37.149			✓✓
170	0.09	3.50	34.350	35.243			
200	0.08	3.75	33.113	33.535			
230	0.06	4.00	32.880	33.441			
270	0.05	4.25	32.937	33.195			
325	0.05	4.50	32.861	33.141			
400	0.04	4.75	33.037	33.319			
450	0.03	5.00	32.668	32.785			
Fines	<0.03	> 5	122.821	122.983			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-138
Sampling Date: 3/12/11
Analysis Date: 8/14/12

Container wt.: 6.155
Total wt.: 16.929
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.628	49.629			
18	1	0.00	46.444	46.576			
20	0.85	0.25	43347	43.421			
25	0.71	0.50	45.776	45.895			
30	0.6	0.75	43.292	43.369			
35	0.5	1.00	41.662	41.770			
40	0.43	1.25	39.748	39.822			
45	0.36	1.50	39.109	39.198		✓	
50	0.3	1.75	39.210	39.302		✓	
60	0.25	2.00	38.485	38.599		✓	
70	0.21	2.25	37.773	37.949		✓	
80	0.18	2.50	36.553	37.126		✓	✓
100	0.15	2.75	34.488	36.208			✓
120	0.13	3.00	35.523	38.699			
140	0.11	3.25	34.820	36.888			
170	0.09	3.50	34360	35.066			
200	0.08	3.75	33.122	33.481			
230	0.06	4.00	32.887	33.307			
270	0.05	4.25	32.944	33.117			
325	0.05	4.50	32.874	33.046			
400	0.04	4.75	33.053	33.215			
450	0.03	5.00	32.682	32.770			
Fines	<0.03	> 5	122.825	122.914			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-142
Sampling Date: 3/12/11
Analysis Date: 8/14/12

Container wt.: 6.157
Total wt.: 21.361
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.631	49.669			
18	1	0.00	46.446	46.579			
20	0.85	0.25	43.351	43.439			
25	0.71	0.50	45.780	45.931			
30	0.6	0.75	43.294	43.440			
35	0.5	1.00	41.663	42.013			
40	0.43	1.25	39.757	40.149			
45	0.36	1.50	39.109	40.081			✓
50	0.3	1.75	39.212	41.012		✓	✓
60	0.25	2.00	38.482	40.983		✓	✓
70	0.21	2.25	37.778	39.637			✓
80	0.18	2.50	36.556	38.069			✓
100	0.15	2.75	34.499	35.556			✓
120	0.13	3.00	35.550	36.675			✓
140	0.11	3.25	34.828	35.671			✓
170	0.09	3.50	34.363	34.754			
200	0.08	3.75	33.123	33.411			
230	0.06	4.00	32.889	33.261			
270	0.05	4.25	32.944	33.250			
325	0.05	4.50	32.872	33.146			
400	0.04	4.75	33.051	33.307			
450	0.03	5.00	32.683	32.890			
Fines	<0.03	> 5	122.823	122.943			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-146
Sampling Date: 3/12/11
Analysis Date: 8/14/12

Container wt.: 6.157
Total wt.: 19.885
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.629	49.625			
18	1	0.00	46.447	46.457			
20	0.85	0.25	43.351	43.354			
25	0.71	0.50	45.780	45.790			
30	0.6	0.75	43.302	43.309			
35	0.5	1.00	41.666	41.756			
40	0.43	1.25	39.754	39.977			
45	0.36	1.50	39.121	40.034		✓	
50	0.3	1.75	39.230	41.316		.	✓
60	0.25	2.00	38.515	41.658			✓
70	0.21	2.25	37.789	40.353			✓
80	0.18	2.50	36.556	38.090			✓✓
100	0.15	2.75	34.490	35.542			✓✓
120	0.13	3.00	35.523	36.599			✓✓
140	0.11	3.25	34.823	35.495			✓✓
170	0.09	3.50	34.359	34.533			✓✓
200	0.08	3.75	33.123	33.163			
230	0.06	4.00	32.893	32.918			
270	0.05	4.25	32.946	32.955			
325	0.05	4.50	32.869	32.879			
400	0.04	4.75	33.043	33.048			
450	0.03	5.00	32.681	32.684			
Fines	<0.03	> 5	122.824	122.837			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C15-150
Sampling Date: 3/12/11
Analysis Date: 8/14/12

Container wt.: 6.157
Total wt.: 21.627
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.624	49.725			
18	1	0.00	46.444	46.541			
20	0.85	0.25	43.346	43.360			
25	0.71	0.50	45.777	45.797			
30	0.6	0.75	43.289	43.306			
35	0.5	1.00	41.660	41.711			
40	0.43	1.25	39.749	39.833			
45	0.36	1.50	39.119	39.405			
50	0.3	1.75	39.234	40.053			
60	0.25	2.00	38.521	41.025		✓	✓
70	0.21	2.25	37.799	41.704		✓	✓
80	0.18	2.50	36.557	39.747			✓
100	0.15	2.75	34.488	36.347			✓
120	0.13	3.00	35.522	36.828			✓
140	0.11	3.25	34.821	35.459			✓✓
170	0.09	3.50	34.356	34.512			✓
200	0.08	3.75	33.117	33.164			✓
230	0.06	4.00	32.888	32.913			
270	0.05	4.25	32.940	32.953			
325	0.05	4.50	32.865	32.874			
400	0.04	4.75	33.037	33.047			
450	0.03	5.00	32.675	32.677			
Fines	<0.03	> 5	122.822	122.830			

Vibracore C16

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R1-CC2
Sampling Date: 3/12/11
Analysis Date: 5/8/12

Container wt.: 6.154
Total wt.: 21.343
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.585	49.535		
18	46.385	46.367		
20	43.223	43.236		
25	45.628	45.647		
30	43.197	43.255		
35	41.544	41.619		
40	39.624	39.748		
45	38.813	39.170		✓
50	39.053	40.204		✓
60	37.947	41.187		✓
70	35.946	39.551		✓
80	36.380	38.935		✓✓
100	34.296	35.648	LOTS OF HM	✓✓
120	35.389	36.315	" " "	✓✓
140	34.698	35.404	" " "	✓✓
170	34.258	34.560	" " "	✓✓
200	33.027	33.073		✓✓
230	32.781	32.798		✓✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.802	122.809		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R1-006 Container wt.: 6.154
Sampling Date: 3/12/11 Total wt.: 21.092
Analysis Date: 5/8/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.535	49.536		
18	46.345	46.389		
20	43.227	43.247		
25	45.634	45.666		
30	43.198	43.248		
35	41.548	41.646		
40	39.625	39.781		
45	38.819	39.271		
50	38.061	40.443		
60	37.947	41.547		
70	35.949	39.591		✓
80	36.377	38.644		✓✓
100	34.296	35.550	LOTS OF HAIR	✓✓
120	35.390	36.281	" " "	✓✓
140	34.694	35.313	" " "	✓✓
170	34.259	34.538	" " "	✓✓
200	35.025	33.089	" " "	✓✓
230	32.784	32.803		✓✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.809		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R1-010
Sampling Date: 3/12/11
Analysis Date: 5/8/12

Container wt.: 6.152
Total wt.: 19.159
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.533	49.547		
18	46.346	46.410		
20	43.227	43.261		
25	45.436	45.685		
30	43.199	43.239		
35	41.554	41.656		
40	39.634	39.797		✓
45	38.817	39.298		
50	39.055	40.395		✓
60	37.985	41.392		✓
70	36.006	39.316		✓
80	36.393	38.346		✓✓
100	34.307	35.209		✓✓
120	35.378	35.952	2-HM	✓✓
140	34.680	35.050	"	✓✓
170	34.255	34.399	"	✓✓
200	33.024	33.061		✓✓
230	32.784	32.794		✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.808		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R1-014 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 22.867
Analysis Date: 5/8/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.542	49.580		
18	46.352	46.409		
20	43.232	43.256		
25	45.637	45.680		
30	43.197	43.313		
35	41.550	41.669		
40	39.634	39.834		
45	38.817	39.392		
50	39.062	40.867		✓
60	37.983	42.446		✓
70	35.975	40.472		✓
80	36.398	38.687		✓✓
100	34.305	35.463	L-HM	✓✓
120	35.381	36.063	"	✓✓
140	34.694	35.094	"	✓✓
170	34.260	34.424	"	✓✓
200	33.027	33.059		✓✓
230	32.784	32.797		✓✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.867		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R1-C18 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 19.932
Analysis Date: 5/8/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.540	49.568		
18	46.353	46.373		
20	43.231	43.240		
25	45.639	45.659		
30	43.189	43.229		
35	41.542	41.624		
40	39.621	39.723		
45	38.814	39.173		✓
50	39.039	40.053		✓
60	38.007	~~39.647~~ 40.133		✓
70	35.958	40.097		✓
80	34.386	38.921		✓
100	34.288	35.418		✓✓
120	35.372	35.872		✓✓
140	34.680	34.923		✓✓
170	34.257	34.349		✓✓
200	33.020	33.035		
230	32.784	32.791		✓✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.808		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R1-022 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 22.260
Analysis Date: 5/8/12 Sample wt.: _____

Observations: SEVERAL LARGE (>1cm) CLUMPS OF BLACK ORGANIC (?) MATERIAL POSSIBLY PEAT BREAKS APART WHEN PRESSED.

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	419.541	419.552	BLACK ORGANICS?	
18	416.349	416.371	" " (PEAT?)	
20	43.232	43.236		
25	45.635	45.650		
30	43.189	43.221		
35	41.546	41.612		
40	39.623	39.748		✓
45	38.814	39.173		✓
50	39.047	40.122		✓
60	38.024	41.499		✓
70	35.982	40.703		✓
80	36.395	39.497		✓
100	34.299	35.785		✓✓
120	35.368	36.137	LHM	✓✓
140	34.681	35.097	LHM	✓✓
170	34.273	34.452	LHM	✓✓
200	33.020	33.062	LHM	✓✓
230	32.783	32.801	LHM	✓✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.802	122.817		✓
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R1-C26 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 16.249
Analysis Date: 5/21/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.546	49.549		
18	46.366	46.394	SHELL FRAGS	
20	43.244	43 254		
25	45.657	45.666		
30	43.210	43.237		
35	41.561	41.609		
40	39.641	39.715		
45	38.820	39.034		
50	39.079	39.627		
60	38.053	39.931		
70	35.973	38.768		✓
80	36.424	38.623		✓✓
100	34.325	35.436		✓✓
120	35.345	36.022		✓✓
140	34.698	35.054		✓✓
170	34.268	34.414		✓✓
200	33.037	33.076		✓✓
230	32.798	32.813		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.806		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R1-030 Container wt.: 6.150
Sampling Date: 3/12/11 Total wt.: 19.545
Analysis Date: 5/21/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.548	49.859	LRG SHL FRGS	
18	46.366	46.415	SHL FRGS	
20	43.245	43.264		
25	45.656	45.690		
30	43.216	43.268		
35	41.566	41.681		
40	39.653	39.842		
45	38.885	39.353		
50	39.085	40.442		
60	38.037	41.157		
70	36.019	39.295		
80	36.461	38.758		VV
100	34.320	35.320		VV
120	35.392	35.940		VV
140	34.702	35.000		VV
170	34.274	34.397		VV
200	33.047	33.066		VV
230	32.801	32.807		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.801	122.806		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CIB-R1-034 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 19.649
Analysis Date: 5/21/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.549	49.587	LRG SHL FRGS	
18	46.367	46.436	SHL FRGS	
20	43.246	43.277	" "	
25	45.656	45.703		
30	43.221	43.297		
35	41.562	41.703		
40	39.666	39.878		
45	38.837	39.355		
50	39.112	40.443		
60	38.019	41.278		
70	36.049	39.609		✓
80	36.416	38.726		✓
100	34.329	35.371		✓
120	35.384	35.863		✓✓
140	34.698	34.922		✓✓
170	34.288	34.369		✓✓
200	33.042	33.061		✓✓
230	32.802	32.808		✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.809		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R1-038 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 20.647
Analysis Date: 5/21/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.549	49.621	SHL FRGS	
18	46.365	46.487	SHL FRGS	
20	43.246	43.266		
25	45.656	45.694		
30	43.232	43.288		
35	41.562	41.691		
40	39.665	39.841		
45	38.835	39.347		
50	39.093	40.390		✓
60	38.031	41.396		✓
70	36.054	39.790		✓
80	36.444	39.162		✓✓
100	34.338	35.471		✓✓
120	35.384	35.969		✓✓
140	34.700	35.012		✓✓
170	34.292	34.404		✓✓
200	33.042	33.067		✓✓
230	32.801	32.810		✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.810		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R1-042 Container wt.: 6.150
Sampling Date: 3/12/11 Total wt.: 21.100
Analysis Date: 5/21/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.551	49.556		
18	46.365	46.374		
20	43.247	43.250		
25	45.656	45.662		
30	43.233	43.245		
35	41.573	41.594		
40	39.665	39.688		
45	38.836	38.933		
50	39.091	39.536		
60	38.044	40.464		
70	36.014	40.170		
80	38.410	40.185		✓
100	34.388	36.107		✓
120	35.386	36.493		✓✓
140	34.782	35.357		✓✓
170	34.082	34.529		✓✓
200	33.042	33.107		✓✓
230	32.800	32.822		✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.801	122.822		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R1-016 Container wt.: 6,151
Sampling Date: 3/12/11 Total wt.: 20.345
Analysis Date: 5/21/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.553	49.559		
18	46.366	46.397		
20	43.246	43.254		
25	45.654	45.665		
30	43.231	43.244		
35	41.574	41.593		
40	39.667	39.691		
45	38.840	38.916		
50	39.094	39.443		
60	38.044	39.985		
70	36.043	39.768		
80	36.407	39.835		✓
100	34.336	36.255		✓✓
120	35.388	36.710		✓✓
140	34.707	35.543		✓✓
170	34.288	34.623		✓✓
200	33.045	33.138		✓✓
230	32.800	32.829		✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.803	122.832		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CIB-R1-050 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 19.663
Analysis Date: 5/21/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.553	49.579		
18	46.366	46.390		
20	43.246	43.257		
25	45.655	45.683		
30	43.235	43.270		
35	41.574	41.658		
40	39.650	39.767		
45	38.833	39.133		
50	39.083	39.742		
60	38.041	39.965		
70	36.022	38.980		
80	36.414	39.151		✓
100	34.332	36.044		✓✓
120	35.390	36.723		✓✓
140	34.704	35.640		✓✓
170	34.281	34.701		✓✓
200	33.047	33.154		✓✓
230	32.799	32.833		✓✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.799	122.818		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R1-054 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 16.415
Analysis Date: 5/21/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.551	49.615	LRG SHL FRGS	
18	46.364	46.394	SHL FRGS	
20	43.246	43.252		
25	45.655	45.675		
30	43.237	43.261		
35	41.573	41.664		
40	39.650	39.807		
45	38.833	39.242		
50	39.093	39.958	MICA	✓
60	38.032	39.837	"	✓
70	36.040	38.115		✓
80	36.408	38.380		✓
100	34.330	35.562		✓
120	35.409	36.259		✓✓
140	34.707	35.136		✓✓
170	34.288	34.410		✓✓
200	33.047	33.061		✓✓
230	32.798	32.809		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.802		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-006
Sampling Date: 3/12/11
Analysis Date: 5/21/12

Container wt.: 6.151
Total wt.: 17.578
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.550	49.636	LRG SH2 FRGS	
18	46.365	46.422	SHL FRGS	
20	43.247	43.257		
25	45.657	45.695		
30	43.234	43.281		
35	41.569	41.710		
40	39.654	39.828		
45	38.833	39.229		
50	39.081	39.794		✓
60	38.024	39.863		✓
70	36.036	38.697		✓
80	36.420	39.003		✓
100	34.335	35.740		✓
120	35.403	36.181		✓✓
140	34.707	35.020		✓✓
170	34.286	34.348		✓✓
200	33.047	33.060		✓
230	32.800	32.804		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.810		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-010 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 19.191
Analysis Date: 5/21/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.550	49.577	LRG SHL FRGS	
18	46.365	46.398	SHL FRGS	
20	43.244	43.263		
25	45.656	45.699		
30	43.232	43.294		
35	41.569	41.693		
40	39.654	39.832		
45	38.835	39.239		
50	39.085	39.889		
60	38.026	40.281		✓
70	36.057	39.331		
80	36.417	34.479		✓
100	34.328	35.837		✓✓
120	35.406	36.140		✓✓
140	34.711	35.000		✓✓
170	34.284	34.356		✓✓
200	33.046	33.061		
230	32.799	32.805		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.797	122.809		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-014 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 17.359
Analysis Date: 5/22/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.561	49.602	LRG SHLFLK	
18	46.379	46.479	SHL FLKS	
20	43.260	43.293		
25	45.669	45.731		
30	43.245	43.335		
35	41.584	41.752		
40	39.668	39.860		
45	38.848	39.236		
50	39.101	39.838		
60	38.041	39.937		✓
70	36.061	38.490		✓
80	36.432	38.772		✓
100	34.353	35.707		✓✓
120	35.415	36.251		✓✓
140	34.723	35.059		✓✓
170	34.293	34.377		✓✓
200	33.058	33.074		✓
230	32.811	32.819		✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.808		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-018 Container wt.: 6.150
Sampling Date: 3/12/11 Total wt.: 15.775
Analysis Date: 5/22/12 Sample wt.: _____

Observations: _____

_____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.563	49.660	SHL FRGS	
18	46.380	46.434	SHL FRGS	
20	43.259	43.252		
25	45.668	45.715		
30	43.754	43.332		
35	41.584	41.736		
40	39.662	39.830		
45	38.847	39.208		
50	39.117	39.743		✓
60	38.032	39.583	MICA	✓
70	34.034	38.041		✓
80	36.437	38.432		✓
100	34.347	35.601	MICA	✓✓
120	35.405	36.180		✓✓
140	34.722	35.019		✓✓
170	34.295	34.360		✓✓
200	33.058	33.068		✓
230	32.811	32.818		✓
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.804		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CIB-R2-622 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 20.103
Analysis Date: 5/22/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.563	49.687	LRG SHL FLKS	
18	46.379	46.458	SHL FLKS	
20	43.259	43.294	SHL FRGS	
25	45.667	45.741		
30	43.265	43.383		
35	41.581	41.834		
40	39.663	39.931		
45	38.850	39.388		
50	39.105	40.081	MICA	✓
60	38.038	40.563		✓
70	36.039	39.300	MICA	✓
80	36.445	39.259		✓
100	34.348	35.802		✓
120	35.411	36.212		✓✓
140	34.718	35.056		✓✓
170	34.296	34.367		✓
200	33.059	33.069		✓
230	32.813	32.817		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.807		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-026 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 18.486
Analysis Date: 5/22/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.594	49.630	LRG SHL FRGS	
18	46.381	46.458	SHL FRGS	
20	43.260	43.301		
25	45.667	45.769		
30	43.251	43.387		
35	41.581	41.867		
40	39.657	39.945		
45	38.544	39.399		
50	39.104	40.024		✓
60	38.028	40.208		✓
70	36.063	38.781	MICA	✓
80	36.432	38.826		✓
100	34.349	35.667		✓✓
120	35.413	36.154		✓✓
140	34.717	35.012		✓✓
170	34.290	34.344		✓✓
200	33.054	33.064		✓
230	32.810	32.816		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.806	122.808		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-636 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 15.413
Analysis Date: 3/22/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.573	49.580	SHL FRGS	
18	46.380	46.418	SHL FRGS	
20	43.257	43.296	SHL FRGS	
25	45.664	45.740	MICA FLAKE	
30	43.245	43.348		
35	41.579	41.834		
40	39.657	39.922		
45	38.843	39.097		
50	39.109	39.838		
60	38.042	39.747		✓
70	36.095	38.363		✓
80	36.433	38.381		✓
100	34.343	35.499		✓✓
120	35.406	35.728		✓✓
140	34.718	34.808		✓✓
170	34.288	34.303		✓
200	33.055	33.057		
230	32.809	32.809		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.803		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-034 Container wt.: 6.151
Sampling Date: 3/12/12 Total wt.: 18.110
Analysis Date: 5/31/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.598	49.621	SHL FRGS	
18	46.407	46.437	SHL FRGS	
20	43.288	43.312		
25	45.692	45.740		
30	43.279	43.360		
35	41.613	41.851		
40	39.687	39.977		
45	38.878	39.426		
50	39.142	40.117		
60	38.068	40.362		✓
70	36.127	39.288		✓
80	36.491	38.882		✓
100	34.373	35.549		✓✓
120	35.439	35.898		✓✓
140	34.746	34.864		✓✓
170	34.319	34.335		✓✓
200	33.087	33.087		
230	32.842	32.841		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	172.802	172.806		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-038 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 20.352
Analysis Date: 5/31/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.597	49.638	IRG SHL FRGS	
18	46.408	46.458		
20	43.287	43.322		
25	45.688	45.760		
30	43.283	43.419		
35	41.617	41.933		
40	39.688	40.050		
45	38.876	39.542		
50	39.139	40.279		✓
60	38.067	40.659		✓
70	36.114	39.628		✓
80	36.493	39.437		✓
100	34.370	35.736		✓
120	35.432	36.008		✓✓
140	34.742	34.921		✓✓
170	34.316	34.343		✓✓
200	33.083	33.086		
230	32.840	32.840		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.880	122.804		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-RZ-042
Sampling Date: 3/12/11
Analysis Date: 5/31/12

Container wt.: 6.151
Total wt.: 21.669
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.595	49.664	SHL FRGS	
18	46.406	46.473	SHL FRGS	
20	43.288	43.382		
25	45.692	45.787		
30	43.286	43.423		
35	41.622	42.024		
40	39.685	40.179		✓
45	38.584	39.850	MICA	✓
50	39.148	40.732		✓
60	38.065	41.135		✓
70	36.164	39.834		✓
80	36.465	39.157		✓
100	34.376	35.698		✓✓
120	35.433	35.989		✓✓
140	34.743	34.919		✓✓
170	34.318	34.339		✓✓
200	33.081	33.084		
230	32.838	32.838		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.804		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-046 Container wt.: 6.152
Sampling Date: 5/12/11 Total wt.: 18.820
Analysis Date: 5/31/12 Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.592	49.589		
18	46.407	46.477		
20	43.285	43.300		
25	45.692	45.744		
30	43.283	43.373		
35	41.622	41.879		
40	39.648	39.993		
45	38.884	39.492		
50	39.149	40.234		✓
60	38.094	40.413		✓
70	36.186	39.020		✓
80	36.493	38.944		✓
100	34.366	35.662		✓
120	35.432	36.091		✓✓
140	34.740	35.018		✓✓
170	34.311	34.361		✓✓
200	33.078	33.088		
230	32.835	32.840		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.786	122.806		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-C50 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 18.881
Analysis Date: 5/31/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.591	49.619	SHC FRGS	
18	46.406	46.464	SF & MICA-S	
20	43.282	43.309		
25	45.690	45.745		
30	43.278	43.372		
35	41.618	41.870		
40	39.694	40.021		
45	38.888	39.549	MICA	✓
50	39.153	40.277	"	✓
60	38.095	40.417	"	✓
70	36.194	38.491		✓
80	36.493	38.855		✓
100	34.377	35.708		✓✓
120	35.439	36.289		✓✓
140	34.744	35.139		✓✓
170	34.311	34.382		✓✓
200	33.876	33.098		
230	32.836	32.840		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.80	122.80		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-C54 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 20.646
Analysis Date: 5/31/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.590	49.627	SHC FRGS	
18	46.406	46.454	SHC FRGS.	
20	43.284	43.313		
25	45.690	45.748		
30	43.277	43.361		
35	41.619	41.842		
40	39.691	39.968		
45	38.859	39.506		✓
50	39.137	40.324		✓
60	38.084	40.630		✓
70	36.143	39.122		✓✓
80	36.463	39.063		✓
100	34.368	36.068		✓
120	35.444	36.541		✓✓
140	34.742	35.750		✓✓
170	34.310	34.410		✓✓
200	33.077	33.100		
230	32.833	32.842		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.801	122.840		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-C58 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 18.C46
Analysis Date: 5/31/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.588	49.615	2 LIC FRGS	
18	46.402	46.483	SHL FRGS	
20	43.283	43.346		
25	45.689	45.784	MICA	
30	43.278	43.406		
35	41.611	41.940	MICA	
40	39.683	40.059	"	
45	38.878	39.617		✓
50	39.140	40.240		✓
60	38.141	40.328		✓
70	36.137	38.548		✓
80	36.465	38.462		✓
100	34.383	35.528		✓✓
120	35.443	36.129		✓✓
140	34.740	35.034		✓✓
170	34.307	34.359		✓✓
200	33.076	33.085		
230	32.834	32.837		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.800	122.804		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-662 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 17.582
Analysis Date: 5/31/12 Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.588	49.674	V SILT FRG	
18	46.400	46.444	SILT FRGS	
20	43.283	43.298		
25	45.689	45.740		
30	43.275	43.352		
35	41.612	41.816		
40	39.682	39.448		
45	38.881	39.351		
50	39.130	39.876	MICA	✓
60	38.135	39.916	"	✓
70	36.113	38.556		✓
80	36.476	38.727		✓
100	34.376	35.738		✓✓
120	35.434	36.380		✓✓
140	34.740	35.319		✓✓
170	34.308	34.498		✓✓
200	33.074	33.171		✓✓
230	32.831	32.846		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.802	122.811		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-RZ-C66 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 17.947
Analysis Date: 5/31/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.586	49.860	SHC FRGS	
18	46.399	46.475	SHC FRGS	
20	43.282	43.322		
25	45.688	45.785		
30	43.274	43.405		
35	41.612	41.937		
40	39.683	40.058		
45	38.881	39.497	MICA	✓
50	39.123	39.966		✓
60	38.093	39.803	MICA	✓
70	36.097	38.326		✓
80	36.464	38.599		✓
100	34.368	35.711		✓✓
120	35.445	36.312		✓✓
140	34.742	35.165		✓✓
170	34.306	34.419		✓✓
200	33.075	33.102		
230	32.832	32.842		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.801	122.808		
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-B2-C7C
Sampling Date: 3/12/11
Analysis Date: 6/6/12

Container wt.: 6.151
Total wt.: 17.026
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.575	49.709	SF		
18	1	0	46.384	46.482			
20	0.85	0.2	43.765	43.325			
25	0.71	0.5	45.680	45.801			
30	0.6	0.7	43.267	43.430			
35	0.5	1	41.593	41.941			
40	0.43	1.2	39.671	40.048			
45	0.36	1.5	38.878	39.510			
50	0.3	1.7	39.116	39.985			
60	0.25	2	38.105	39.832		✓	✓
70	0.21	2.2	36.154	38.435		✓	✓
80	0.18	2.5	36.491	38.388			✓
100	0.15	2.7	34.380	35.538			✓
120	0.13	3	35.433	36.065			✓✓
140	0.11	3.2	34.731	34.983			✓✓
170	0.09	3.5	34.793	34.334			✓✓
200	0.08	3.7	33.060	33.067			
230	0.06	4	32.820	32.823			
Fines	<0.06	> 4	122.809	122.808			

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-C2-C74
Sampling Date: 3/12/11
Analysis Date: 3/5/12

Container wt.: 6.151
Total wt.: 18.843
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.581	49.593		
18	46.345	46.506	SF	
20	43.276	43.329		
25	45.686	45.814		
30	43.272	43.468		
35	41.609	42.046	~~[illegible]~~	
40	39.678	40.141		
45	38.884	39.687		
50	39.122	40.366		✓
60	38.132	40.530	MICA	✓
70	36.084	38.992	"	✓
80	36.467	38.681		✓
100	34.364	35.440		✓
120	35.429	35.865		✓✓
140	34.737	34.874		✓✓
170	34.300	34.319		
200	33.069	33.072		
230	32.825	32.825		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.802	122.806		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-K2-C78 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 19.238
Analysis Date: 6/4/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.580	49.584		
18	46.395	46.418		
20	43.277	43.293		
25	45.689	45.785		
30	43.279	43.423		
35	41.615	41.936		
40	39.640	40.054		
45	38.889	39.528		✓
50	39.148	40.127		✓
60	38.089	40.380	MICA	✓
70	36.083	39.220		✓
80	36.478	39.207		✓
100	34.371	35.745		✓✓
120	35.428	36.049		✓✓
140	34.735	34.938		✓✓
170	34.298	34.328		✓
200	33.064	33.073		
230	32.825	32.828		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.801	122.804		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C16-R2-C82 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 17.886
Analysis Date: 6/4/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.582	49.584		
18	46.394	46.397		
20	43.276	43.277		
25	45.687	45.696		
30	43.276	43.298		
35	41.621	41.689		
40	39.689	39.784		
45	38.891	39.149		
50	39.135	39.709		
60	38.666	39.891		
70	36.157	39.192		✓
80	36.478	39.217		✓
100	34.384	36.086		✓✓
120	35.431	36.354		✓✓
140	34.736	35.122		✓✓
170	34.300	34.358		✓✓
200	33.069	33.078		
230	32.875	32.829		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.806	122.808		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CIG-122-C86 Container wt.: 6.153
Sampling Date: 3/12/12 Total wt.: 21.439
Analysis Date: 6/4/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.581	49.622	SFs	
18	46.394	46.403		
20	43.274	43.281		
25	45.684	45.702		
30	43.278	43.301		
35	41.613	41.681		
40	39.684	39.783		
45	38.559	39.189		
50	39.125	39.838		
60	38.071	40.491		✓
70	36.151	40.240		✓
80	36.485	40.304		✓
100	34.382	36.425		✓
120	35.432	36.457		✓✓
140	34.735	35.122		✓✓
170	34.360	34.355		✓✓
200	33.068	33.076		
230	32.824	32.828		
Fines Collector 1				
Fines Collector 2				
Fines Collector 3	122.794	122.805		
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-R2-09C
Sampling Date: 3/12/11
Analysis Date: 6/4/12

Container wt.: 6.151
Total wt.: 17.129
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.578	49.579			
18	1	0	46.392	46.407			
20	0.85	0.2	43.274	43.277			
25	0.71	0.5	45.684	45.697			
30	0.6	0.7	43.271	43.292			
35	0.5	1	41.603	41.674			
40	0.43	1.2	39.675	39.766			
45	0.36	1.5	38.889	39.106		✓	
50	0.3	1.7	39.127	39.640		~~✓~~	✓
60	0.25	2	38.111	39.673			✓
70	0.21	2.2	36.132	38.937			✓
80	0.18	2.5	36.498	39.303			✓
100	0.15	2.7	34.385	35.958			✓
120	0.13	3	35.434	36.260			✓✓
140	0.11	3.2	34.735	35.063			✓✓
170	0.09	3.5	34.298	34.346			✓✓
200	0.08	3.7	33.064	33.073			
230	0.06	4	32.829	32.825			
Fines	<0.06	> 4	122.800	122.805			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-122-0901 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 70.857
Analysis Date: 6/4/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.581	49.601	SF		
18	1	0	46.394	46.434	SF		
20	0.85	0.2	43.274	43.288			
25	0.71	0.5	45.685	45.737			
30	0.6	0.7	43.270	43.328		✓	
35	0.5	1	41.607	41.787			
40	0.43	1.2	39.675	34.907			
45	0.36	1.5	38.890	39.434			
50	0.3	1.7	39.127	40.151			
60	0.25	2	38.088	40.463			
70	0.21	2.2	36.125	39.398			✓
80	0.18	2.5	36.579	39.607			✓
100	0.15	2.7	34.367	36.257			✓
120	0.13	3	35.428	36.608			✓✓
140	0.11	3.2	34.730	35.243			✓✓
170	0.09	3.5	31.297	34.381			✓✓
200	0.08	3.7	33.065	33.080			
230	0.06	4	32.523	32.829			
Fines	<0.06	> 4	122.801	122.807			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-RZ-098
Sampling Date: 3/12/11
Analysis Date: 6/4/12

Container wt.: 6.157
Total wt.: 19.154
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.578	49.578			
18	1	0	46.392	46.407	SF		
20	0.85	0.2	43.271	43.278			
25	0.71	0.5	45.682	45.712			
30	0.6	0.7	43.269	43.326			
35	0.5	1	41.599	41.811		✓	
40	0.43	1.2	39.673	39.996			
45	0.36	1.5	38.881	39.624			
50	0.3	1.7	39.113	40.471			✓
60	0.25	2	38.123	40.599		✓	✓
70	0.21	2.2	36.109	38.810		✓	✓
80	0.18	2.5	36.495	38.714			✓
100	0.15	2.7	34.393	35.766			✓
120	0.13	3	35.429	36.338			✓✓
140	0.11	3.2	34.732	35.157			✓✓
170	0.09	3.5	34.295	34.375			✓✓
200	0.08	3.7	33.063	33.080			
230	0.06	4	32.823	32.829			
Fines	<0.06	> 4	122.802	122.810			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-R2 - 102
Sampling Date: 3/12/11
Analysis Date: 6/4/12

Container wt.: 6.151
Total wt.: 18.612
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.578	49.585	SA		
18	1	0	46.390	46.399	SFs		
20	0.85	0.2	43.270	43.284			
25	0.71	0.5	45.681	45.714			
30	0.6	0.7	43.267	43.337			
35	0.5	1	41.597	41.833			
40	0.43	1.2	39.674	40.063			
45	0.36	1.5	38.880	39.721			
50	0.3	1.7	39.122	40.511			✓
60	0.25	2	38.116	40.588		✓	✓
70	0.21	2.2	36.114	38.649			✓
80	0.18	2.5	36.481	38.385			✓
100	0.15	2.7	34.402	35.442			✓
120	0.13	3	35.429	36.036			✓✓
140	0.11	3.2	34.735	35.003			✓✓
170	0.09	3.5	34.298	34.338			✓✓
200	0.08	3.7	33.066	33.070			
230	0.06	4	32.823	32.824			
Fines	<0.06	> 4	122.800	122.808			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-RZ-106
Sampling Date: 3/12/11
Analysis Date: 6/4/12

Container wt.: 6.150
Total wt.: 18.943
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.578	49.576	[redacted]		
18	1	0	46.390	46.393			
20	0.85	0.2	43.270	43.276			
25	0.71	0.5	45.681	45.699			
30	0.6	0.7	43.272	43.303			
35	0.5	1	41.601	41.758			
40	0.43	1.2	39.676	39.931		✓	
45	0.36	1.5	38.858	39.571			✓
50	0.3	1.7	39.120	40.522			✓
60	0.25	2	38.088	40.907		✓	✓
70	0.21	2.2	36.150	38.435			✓
80	0.18	2.5	36.474	38.434			-
100	0.15	2.7	34.381	35.544			-
120	0.13	3	35.428	36.300			-
140	0.11	3.2	34.729	35.195			✓✓
170	0.09	3.5	34.295	34.371			✓✓
200	0.08	3.7	33.060	33.073			
230	0.06	4	32.819	32.825			
Fines	<0.06	> 4	122.809	122.809			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-R2-110
Sampling Date: 3/12/11
Analysis Date: 6/6/12

Container wt.: 6.151
Total wt.: 19.622
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	44.579	49.576			
18	1	0	46.381	46.412			
20	0.85	0.2	43.263	43.296			
25	0.71	0.5	45.675	45.742			
30	0.6	0.7	43.255	43.372			
35	0.5	1	41.589	41.848			
40	0.43	1.2	39.668	40.008			
45	0.36	1.5	38.989	39.711		✓	✓
50	0.3	1.7	39.118	40.415			✓
60	0.25	2	38.149	40.643			✓
70	0.21	2.2	36.128	38.839			✓
80	0.18	2.5	36.489	38.768			✓
100	0.15	2.7	34.408	35.563			✓
120	0.13	3	35.448	36.459			✓✓
140	0.11	3.2	34.736	35.174			✓✓
170	0.09	3.5	34.286	34.371			✓✓
200	0.08	3.7	33.054	33.072			
230	0.06	4	32.815	32.821			
Fines	<0.06	> 4	122.801	122.806			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-RZ-114
Sampling Date: 3/12/11
Analysis Date: 6/6/12

Container wt.: 6.152
Total wt.: 19.463
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.577	49.695			
18	1	0	46.385	46.491			
20	0.85	0.2	43.268	43.317			
25	0.71	0.5	45.676	45.809			
30	0.6	0.7	43.262	43.444			
35	0.5	1	41.594	42.073			
40	0.43	1.2	39.677	40.239			
45	0.36	1.5	38.879	39.973			✓
50	0.3	1.7	39.127	40.601		✓	✓
60	0.25	2	38.074	40.410		✓	✓
70	0.21	2.2	36.140	38.391		✓	✓
80	0.18	2.5	36.487	38.289		✓	✓
100	0.15	2.7	34.387	35.611			✓✓
120	0.13	3	35.426	36.328			✓✓
140	0.11	3.2	34.730	35.173			✓✓
170	0.09	3.5	34.288	34.373			✓✓
200	0.08	3.7	33.061	33.072			
230	0.06	4	32.818	32.822			
Fines	<0.06	> 4	122.799	122.805			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-R2-118
Sampling Date: 3/12/11
Analysis Date: 6/6/12

Container wt.: 6.152
Total wt.: 19.325
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.574	49.582			
18	1	0	46.383	46.404			
20	0.85	0.2	43.266	43.273			
25	0.71	0.5	45.680	45.720			
30	0.6	0.7	43.260	43.310			
35	0.5	1	41.592	41.772			
40	0.43	1.2	39.676	39.964			
45	0.36	1.5	38.884	39.596			
50	0.3	1.7	39.173	40.443			✓
60	0.25	2	38.074	40.516		✓	✓
70	0.21	2.2	36.104	38.686			✓
80	0.18	2.5	36.481	38.691			✓
100	0.15	2.7	34.391	35.884			✓✓
120	0.13	3	35.428	36.507			✓✓
140	0.11	3.2	34.730	35.274			✓✓
170	0.09	3.5	34.289	34.386			✓✓
200	0.08	3.7	33.061	33.075			
230	0.06	4	32.818	32.824			
Fines	<0.06	> 4	122.797	122.806			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: P16-R2-102
Sampling Date: 3/12/11
Analysis Date: 6/6/12

Container wt.: 6.153
Total wt.: 21.378
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.573	49.607			
18	1	0	46.383	46.400			
20	0.85	0.2	43.265	43.274			
25	0.71	0.5	45.677	45.699			
30	0.6	0.7	43.258	43.305			
35	0.5	1	41.591	41.734			
40	0.43	1.2	39.676	39.880			
45	0.36	1.5	38.879	39.379			
50	0.3	1.7	39.118	40.117		✓	✓
60	0.25	2	38.106	40.403		✓	✓
70	0.21	2.2	36.110	38.979			✓
80	0.18	2.5	36.495	39.340			✓
100	0.15	2.7	34.394	36.563			✓
120	0.13	3	35.431	37.231			✓✓
140	0.11	3.2	34.729	35.680			✓✓
170	0.09	3.5	34.288	34.462			✓✓
200	0.08	3.7	33.059	33.089			✓✓
230	0.06	4	32.817	32.831			
Fines	<0.06	> 4	122.800	122.806			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-RZ-126
Sampling Date: 3/12/11
Analysis Date: 6/6/12

Container wt.: 6.151
Total wt.: 20.390
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.580	49.595			
18	1	0	46.379	46.433	BIOTITE? MICA - SAND	✓	
20	0.85	0.2	43.264	43.286			
25	0.71	0.5	45.617	45.720			
30	0.6	0.7	43.256	43.330			
35	0.5	1	41.587	41.834		✓	
40	0.43	1.2	39.670	39.996		✓	
45	0.36	1.5	38.485	34.712			
50	0.3	1.7	39.113	40.325			✓
60	0.25	2	38.151	40.457		✓	✓
70	0.21	2.2	36.112	38.700			✓
80	0.18	2.5	34.497	38.851		✓	✓
100	0.15	2.7	34.404	36.160			✓
120	0.13	3	35.450	36.888			✓✓
140	0.11	3.2	34.736	35.513			✓✓
170	0.09	3.5	34.286	34.420			✓✓
200	0.08	3.7	33.057	33.077			✓✓
230	0.06	4	32.815	32.823			
Fines	<0.06	> 4	122.800	122.807			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-12-130
Sampling Date: 3/12/11
Analysis Date: 6/6/51

Container wt.: 6.151
Total wt.: 18.219
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.575	49.658			
18	1	0	46.380	46.449			
20	0.85	0.2	43.262	43.281			
25	0.71	0.5	45.676	45.739			
30	0.6	0.7	113.253	113332			
35	0.5	1	41.584	41.826			
40	0.43	1.2	39.673	39.698			
45	0.36	1.5	38.993	39.583			✓
50	0.3	1.7	39.118	40.125			✓
60	0.25	2	38.111	39.991			✓
70	0.21	2.2	36.161	38.238			✓
80	0.18	2.5	36.492	38.423			✓
100	0.15	2.7	34.417	35.891			✓
120	0.13	3	35.443	36.691			✓✓
140	0.11	3.2	34.732	35.448			✓✓
170	0.09	3.5	34.288	34.428			✓✓
200	0.08	3.7	33.058	33.084			✓✓
230	0.06	4	32.815	32.827			
Fines	<0.06	> 4	122.799	122.805			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-RZ-134 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 17.717
Analysis Date: 6/7/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.577	49.625			
18	1	0	46.385	46.466			
20	0.85	0.2	43.268	43.281			
25	0.71	0.5	45.678	45.724			
30	0.6	0.7	43.259	43.374			
35	0.5	1	41.594	41.838			
40	0.43	1.2	39.676	40.007			
45	0.36	1.5	38.997	39.694			
50	0.3	1.7	39.116	40.202		✓	✓
60	0.25	2	38.118	40.053		✓	✓
70	0.21	2.2	36.127	38.138		✓	✓
80	0.18	2.5	36.527	38.284			✓
100	0.15	2.7	34.416	35.723			✓
120	0.13	3	35.445	36.531			✓✓
140	0.11	3.2	34.743	35.332			✓✓
170	0.09	3.5	34.294	34.399			✓✓
200	0.08	3.7	33.080	33.075			✓✓
230	0.06	4	32.820	32.826			
Fines	<0.06	> 4	122.800	122.806			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI6-RZ-138 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 21.398
Analysis Date: 6/7/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	219.577	49.606			
18	1	0	46.387	46.406			
20	0.85	0.2	43.269	43.274			
25	0.71	0.5	45.680	45.704			
30	0.6	0.7	43.278	43.310			
35	0.5	1	41.593	41.733			
40	0.43	1.2	39.679	39.884			
45	0.36	1.5	39.008	39.508			
50	0.3	1.7	39.123	40.179		✓	✓
60	0.25	2	38.113	40.465			✓
70	0.21	2.2	36.126	39.042			✓
80	0.18	2.5	36.504	39.373			✓
100	0.15	2.7	34.415	36.527			✓
120	0.13	3	35.436	37.155			✓
140	0.11	3.2	34.734	35.687			✓
170	0.09	3.5	34.293	34.435			✓✓
200	0.08	3.7	33.059	33.083			✓✓
230	0.06	4	32.820	32.830			
Fines	<0.06	> 4	122.800	122.810			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-R2-142 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 21.396
Analysis Date: 6/7/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.576	49.575			
18	1	0	46.386	46.386			
20	0.85	0.2	43.266	43.266			
25	0.71	0.5	45.680	45.685			
30	0.6	0.7	43.271	43.280			
35	0.5	1	41.597	41.645			
40	0.43	1.2	39.675	39.754			
45	0.36	1.5	38.993	39.257			
50	0.3	1.7	39.124	39.888		✓	✓
60	0.25	2	38.159	40.221		✓	✓
70	0.21	2.2	36.137	39.145			✓
80	0.18	2.5	34.516	39.670			✓
100	0.15	2.7	34.413	36.834			✓
120	0.13	3	35.442	37.439			✓✓
140	0.11	3.2	34.734	35.795			✓✓
170	0.09	3.5	34.291	34.455			✓✓
200	0.08	3.7	33.058	33.054			
230	0.06	4	32.820	32.827			
Fines	<0.06	> 4	122.800	122.806			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-RZ-146 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 19.590
Analysis Date: 6/7/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.575	49.573			
18	1	0	46.384	46.383			
20	0.85	0.2	43.265	43.266			
25	0.71	0.5	45.679	45.688			
30	0.6	0.7	43.267	43.301			
35	0.5	1	41.596	41.722			
40	0.43	1.2	39.674	39.902			
45	0.36	1.5	38.988	39.549			
50	0.3	1.7	39.122	40.191		✓	✓
60	0.25	2	38.176	40.110		✓	✓
70	0.21	2.2	36.118	38.280		✓	✓
80	0.18	2.5	36.532	38.759			✓
100	0.15	2.7	34.421	36.437			✓
120	0.13	3	35.466	37.286			✓
140	0.11	3.2	34.737	35.823			✓
170	0.09	3.5	34.291	34.455			✓
200	0.08	3.7	33.060	33.085			
230	0.06	4	32.818	32.875			
Fines	<0.06	> 4	22.800	122.808			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIC-RZ-150
Sampling Date: 3 | 12 | 11
Analysis Date: 6 | 11 | 12

Container wt.: 6.151
Total wt.: 21.751
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.588	49.591			
18	1	0	46.392	46.411			
20	0.85	0.2	43.274	43.276			
25	0.71	0.5	45.688	45.706			
30	0.6	0.7	43.275	43.302			
35	0.5	1	41.603	41.675			
40	0.43	1.2	39.680	39.802			
45	0.36	1.5	38.944	39.301		✓	✓
50	0.3	1.7	39.128	34.783		✓	✓
60	0.25	2	38.129	39.823		✓	✓
70	0.21	2.2	36.139	38.780			✓
80	0.18	2.5	36.517	39.782			✓
100	0.15	2.7	34.433	37.177			✓
120	0.13	3	35.465	37.878			✓
140	0.11	3.2	34.753	34.065			✓
170	0.09	3.5	34.300	34.510			✓
200	0.08	3.7	33.000	33.110			✓
230	0.06	4	32.829	32.845			
Fines	<0.06	> 4	122.803	122.808			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIB-BB-454 Container wt.: 6.152
Sampling Date: 5/12/11 Total wt.: 23.556
Analysis Date: 6/11/12 Sample wt.: _____

Observations: LOTS OF SHL, MED & LRG SHELL FRAGS

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.590	49.842	SHL FRGS		
18	1	0	46 344	46 823	SHL FRGS	✓	
20	0.85	0.2	43 277	43 388			
25	0.71	0.5	45.690	45.948			
30	0.6	0.7	43 278	43 532			
35	0.5	1	41.603	42.192			
40	0.43	1.2	39.685	40.241			
45	0.36	1.5	38.946	40.102			
50	0.3	1.7	39.140	40.926			✓
60	0.25	2	38.125	41.236		✓	✓
70	0.21	2.2	36.118	39 282			✓
80	0.18	2.5	36.570	39.186			✓
100	0.15	2.7	34.434	36.043			✓
120	0.13	3	35.498	36.493			✓✓
140	0.11	3.2	34.758	35.141			✓
170	0.09	3.5	34301	34.358			✓✓
200	0.08	3.7	33.069	33.080			
230	0.06	4	32.830	32.832			
Fines	<0.06	> 4	122.802	122.808			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-R2-158 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 16.537
Analysis Date: 1/14/13 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.587	49.892			
12	1.7	-0.75	48.477	48.572			
14	1.4	-0.50	46.803	46.930			
16	1.18	-0.25	46.227	46.364			
18	1	0.00	46.401	46.573			
20	0.85	0.25	43.274	43.481			
25	0.71	0.50	45.697	46.083			
30	0.6	0.75	43.276	43.627			
35	0.5	1.00	41.606	42.278			
40	0.43	1.25	39.689	40.208			
45	0.36	1.50	39.008	39.717			
50	0.3	1.75	39.150	40.001			
60	0.25	2.00	38.134	39.450			
70	0.21	2.25	36.131	37.618			
80	0.18	2.50	36.521	37.994			
100	0.15	2.75	34.431	35.361			
120	0.13	3.00	35.483	35.908			
140	0.11	3.25	34.752	34.897			
170	0.09	3.50	34.301	34.324			
200	0.08	3.75	33.069	33.074			
230	0.06	4.00	32.829	32.831			
Fines	<0.06	> 4	122.801	122.807			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-CI2-162 Container wt.: 6.152

Sampling Date: 2/12/11 Total wt.: 25.619

Analysis Date: 6/11/12 Sample wt.: _____

Observations: SHELLS

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	44.558	50.295	SHELLS		
18	1	0	46.398	46.986	SF	✓	
20	0.85	0.2	43.778	43.483			
25	0.71	0.5	45.691	46.020			
30	0.6	0.7	43.277	43.596			
35	0.5	1	41.609	42.052		✓	
40	0.43	1.2	39.690	40.007		✓	
45	0.36	1.5	36.006	37.522		✓	✓
50	0.3	1.7	37.141	37.525		✓	✓
60	0.25	2	38.122	39.527		✓	✓
70	0.21	2.2	36.119	38.687		✓	✓
80	0.18	2.5	36.531	40.636			✓
100	0.15	2.7	34.427	37.335			✓
120	0.13	3	35.463	37.035			✓
140	0.11	3.2	34.748	35.239			✓
170	0.09	3.5	34.201	34.353			✓
200	0.08	3.7	33.070	33.078			
230	0.06	4	32.829	32.831			
Fines	<0.06	> 4	122.801	122.866			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-R2-166
Sampling Date: 3/12/11
Analysis Date: 1/14/18

Container wt.: 6.152
Total wt.: 22.371
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.615	50.484			
12	1.7	-0.75	48.481	48.717			
14	1.4	-0.50	46.801	47.079			
16	1.18	-0.25	46.225	46.536			
18	1	0.00	46.397	46.819			
20	0.85	0.25	43.274	43.587			
25	0.71	0.50	45.704	46.299			
30	0.6	0.75	43.284	43.807			
35	0.5	1.00	41.604	42.318			
40	0.43	1.25	39.682	40.126			
45	0.36	1.50	39.000	39.543			
50	0.3	1.75	39.138	39.771			
60	0.25	2.00	38.128	39.335			
70	0.21	2.25	36.160	38.385			
80	0.18	2.50	36.532	40.130			
100	0.15	2.75	34.428	36.571			
120	0.13	3.00	35.456	36.310			
140	0.11	3.25	34.743	34.970			
170	0.09	3.50	34.299	34.334			
200	0.08	3.75	33.067	33.071			
230	0.06	4.00	32.828	32.829			
Fines	<0.06	> 4	122.801	122.807			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-RZ-170
Sampling Date: 3/12/11
Analysis Date: 1/14/13

Container wt.: 6.151
Total wt.: 17.545
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.609	50.274			
12	1.7	-0.75	48.482	48.527			
14	1.4	-0.50	46.798	46.902			
16	1.18	-0.25	46.273	46.376			
18	1	0.00	46.398	46.602			
20	0.85	0.25	43.274	43.538			
25	0.71	0.50	45.708	46.199			
30	0.6	0.75	43.278	43.734			
35	0.5	1.00	41.602	42.277			
40	0.43	1.25	39.082	40.140			
45	0.36	1.50	38.996	39.538			
50	0.3	1.75	39.129	39.599			
60	0.25	2.00	38.128	38.871			
70	0.21	2.25	36.129	37.480			
80	0.18	2.50	36.332	38.978			
100	0.15	2.75	34.432	35.981			
120	0.13	3.00	35.449	35.908			
140	0.11	3.25	34.741	34.841			
170	0.09	3.50	34.295	34.318			
200	0.08	3.75	33.063	33.069			
230	0.06	4.00	32.827	32.829			
Fines	<0.06	> 4	122.802	122.806			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIB-R2-174 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 18.408
Analysis Date: 6/11/12 Sample wt.:

Observations: INCOMPLETE GASTROPOD SHELL

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	419.602	419.725	SFs		
18	1	0	46.401	46.526	SFs		
20	0.85	0.2	43.281	43.303			
25	0.71	0.5	45.700	45.748			
30	0.6	0.7	43.274	43.316			
35	0.5	1	41.605	41.706			
40	0.43	1.2	39.655	39.782		✓	
45	0.36	1.5	28.993	39.190		✓	
50	0.3	1.7	39.126	39.473		✓	
60	0.25	2	38.091	39.221		✓	✓
70	0.21	2.2	36.179	38.886		✓	✓
80	0.18	2.5	36.521	40.936			✓
100	0.15	2.7	34.436	36.538			✓
120	0.13	3	35.447	35.982			✓
140	0.11	3.2	34.739	34.835			✓
170	0.09	3.5	34.297	34.314			✓
200	0.08	3.7	33.065	33.069			
230	0.06	4	32.827	32.828			
Fines	<0.06	> 4	122.801	122.806			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-K2-178 Container wt.: 6.152
Sampling Date: 3/11/11 Total wt.: 26.156
Analysis Date: 6/11/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.600	49.651	SFs		
18	1	0	46.345	46.418	SFs		
20	0.85	0.2	43.276	43.286			
25	0.71	0.5	45.696	45.704		✓	
30	0.6	0.7	43.272	43.286			
35	0.5	1	41.607	41.614			
40	0.43	1.2	39.682	39.697			
45	0.36	1.5	38.992	39.028			
50	0.3	1.7	39.122	39.215			
60	0.25	2	38.112	38.792		✓	✓
70	0.21	2.2	36.141	39.366		✓	✓
80	0.18	2.5	36.547	42.431			✓
100	0.15	2.7	34.432	37.174			✓
120	0.13	3	35.445	36.252			✓✓
140	0.11	3.2	34.736	34.907			✓✓
170	0.09	3.5	34.794	34.333			
200	0.08	3.7	33.063	33.073			
230	0.06	4	32.525	32.830			
Fines	<0.06	> 4	122.502	122.812			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI6-R2-182 Container wt.: 6.152
Sampling Date: 2/12/11 Total wt.: 22.017
Analysis Date: 6/11/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.596	49.707	SIS		
18	1	0	46.393	46.412	SF		
20	0.85	0.2	43.275	43.279			
25	0.71	0.5	45.697	45.711			
30	0.6	0.7	43.269	43.286			
35	0.5	1	41.600	41.621			
40	0.43	1.2	39.679	39.705			
45	0.36	1.5	38.990	39.043		✓	
50	0.3	1.7	39.118	39.241			
60	0.25	2	38.166	38.967		✓	✓
70	0.21	2.2	36.135	39.904			✓
80	0.18	2.5	36.829	43.001			✓
100	0.15	2.7	34.432	37.429			✓
120	0.13	3	35.442	36.217			✓
140	0.11	3.2	34.736	34.893			✓
170	0.09	3.5	34.295	34.329			✓
200	0.08	3.7	33.064	33.072			
230	0.06	4	32.826	32.831			
Fines	<0.06	> 4	122.862	122.812			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-02-186 Container wt.: 6.151
Sampling Date: 2/12/11 Total wt.: 18.142
Analysis Date: 6/11/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.590	49.635	5 Fs		
18	1	0	46.380	46.426	5 Fs		
20	0.85	0.2	43.271	45.293			
25	0.71	0.5	45.695	45.721		✓	
30	0.6	0.7	43.269	43.288			
35	0.5	1	41.598	41.630			
40	0.43	1.2	39.677	39.705			
45	0.36	1.5	38.986	39.036			
50	0.3	1.7	39.116	39.215		✓	
60	0.25	2	38.688	38.734		✓	✓
70	0.21	2.2	36.161	38.749		✓	✓
80	0.18	2.5	36.528	41.516			✓
100	0.15	2.7	34.425	36.861			✓
120	0.13	3	35.446	36.069			✓✓
140	0.11	3.2	34.735	34.846			✓✓
170	0.09	3.5	31.295	34.318			
200	0.08	3.7	33.063	33.068			
230	0.06	4	32.816	32.829			
Fines	<0.06	> 4	122.866	122.866			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-B2-#90 Container wt.: 6.154
Sampling Date: 3/12/11 Total wt.: 19.292
Analysis Date: 6/11/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.591	49.595	SF		
18	1	0	46.383	46.399	SFS		
20	0.85	0.2	43.273	43.281			
25	0.71	0.5	45.695	45.716			
30	0.6	0.7	43.268	43.280			
35	0.5	1	41.594	41.624		✓	
40	0.43	1.2	39.676	39.700		✓	
45	0.36	1.5	38.985	39.028		✓	
50	0.3	1.7	34.112	39.184			
60	0.25	2	38.084	38.482		✓	✓
70	0.21	2.2	36.179	38.558		✓	✓
80	0.18	2.5	36.519	42.166			✓
100	0.15	2.7	34.438	37.663			✓
120	0.13	3	35.441	36.352			✓
140	0.11	3.2	34.735	34.894			✓✓
170	0.09	3.5	34.291	34.327			✓✓
200	0.08	3.7	33.061	33.073			
230	0.06	4	32.824	32.828			
Fines	<0.06	> 4	122.803	122.869			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-RZ-194 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 26.521
Analysis Date: 6/11/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.587	49.587			
18	1	0	46.383	46.398			
20	0.85	0.2	43 273	43.276			
25	0.71	0.5	45.694	45.702			
30	0.6	0.7	43.264	43 271			
35	0.5	1	41.593	41.609			
40	0.43	1.2	34.675	34.684		✓	
45	0.36	1.5	38.954	34.007			
50	0.3	1.7	39.109	39.156		✓	
60	0.25	2	38.094	38.281			✓
70	0.21	2.2	36 148	37.305		✓	✓
80	0.18	2.5	36.512	41,934			✓
100	0.15	2.7	34,480	39.092			✓
120	0.13	3	35.436	37 440			✓
140	0.11	3.2	34.735	35.223			✓
170	0.09	3.5	34.293	34.394			✓✓
200	0.08	3.7	33.064	33.088			✓
230	0.06	4	32.824	32.834			✓
Fines	<0.06	> 4	122.802	122.818			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIG-B2-195 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 82.615
Analysis Date: 6/19/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.538	49.570	SF		
18	1	0	46.369	46.400	SFs		
20	0.85	0.2	43.262	43.270			
25	0.71	0.5	45.669	45.689		✓	
30	0.6	0.7	43.186	43.259		✓	
35	0.5	1	41.562	41.597		✓	
40	0.43	1.2	34.638	34.725		✓	
45	0.36	1.5	38.955	38.999			
50	0.3	1.7	39.647	39.184		✓	
60	0.25	2	37.954	38.217		✓	✓
70	0.21	2.2	35.990	37.168		✓	✓
80	0.18	2.5	36.406	42.571			✓
100	0.15	2.7	34.312	39.762		✓	✓
120	0.13	3	35.390	37.664			✓
140	0.11	3.2	34.717	35.246			✓✓
170	0.09	3.5	34.283	34.354			✓✓
200	0.08	3.7	33.057	33.067			
230	0.06	4	32.825	32.829			
Fines	<0.06	> 4	122.803	122.808			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-R2-202
Sampling Date: 3/12/11
Analysis Date: 6/14/12

Container wt.: 6.152
Total wt.: 47.669
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.576	49.576	SFs		
18	1	0	46.395	46.424	SFs		
20	0.85	0.2	43.266	43.280			
25	0.71	0.5	45.686	45.716		✓	
30	0.6	0.7	43.230	43.268			
35	0.5	1	41.577	41.641			
40	0.43	1.2	39.061	39.743		✓	
45	0.36	1.5	38.963	39.101			
50	0.3	1.7	39.078	39.362			
60	0.25	2	37.476	38.598		✓	✓
70	0.21	2.2	36.022	37.244		✓	✓
80	0.18	2.5	36.466	40.158			✓
100	0.15	2.7	34.329	37.858			✓
120	0.13	3	35.419	36.865			✓
140	0.11	3.2	34.728	34.973			✓✓
170	0.09	3.5	34.285	34.312			✓
200	0.08	3.7	33.061	33.069			
230	0.06	4	32.826	32.826			
Fines	<0.06	> 4	122.801	122.806			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-122-206 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 11.374
Analysis Date: 6/14/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.560	49.708	SFS		
18	1	0	46.401	46.506	SFS		
20	0.85	0.2	43.268	43.365			
25	0.71	0.5	45.688	45.755			
30	0.6	0.7	43 233	43 311			
35	0.5	1	41.584	41.726			
40	0.43	1.2	39.654	39.801		✓	
45	0.36	1.5	38.963	39.181			
50	0.3	1.7	39.076	39.429		✓	✓
60	0.25	2	37.978	38.672		✓	✓
70	0.21	2.2	36.029	37.261		✓	✓
80	0.18	2.5	36.457	39.739		✓	✓
100	0.15	2.7	34.332	37.505		✓	✓
120	0.13	3	35.409	36.683			✓
140	0.11	3.2	34.726	34.937			✓
170	0.09	3.5	34.299	34.314			
200	0.08	3.7	33.056	33.066			
230	0.06	4	32.825	32.827			
Fines	<0.06	> 4	122.802	122.805			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-R2-210 Container wt.: 6.101
Sampling Date: 2/12/11 Total wt.: 16.133
Analysis Date: 6/14/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.558	49.583	GT, MICA-S	✓	
18	1	0	46.400	46.429			
20	0.85	0.2	43.268	43.280			
25	0.71	0.5	45.688	45.705			
30	0.6	0.7	43.231	43.239			
35	0.5	1	41.583	41.631			
40	0.43	1.2	39.656	39.751			
45	0.36	1.5	38.966	39.221			
50	0.3	1.7	39.077	39.867			✓
60	0.25	2	37.982	40.096		✓	✓
70	0.21	2.2	36.024	38.859			✓
80	0.18	2.5	36.441	38.986			✓
100	0.15	2.7	34.335	35.517			✓✓
120	0.13	3	35.413	35.799			✓✓
140	0.11	3.2	34.729	34.853			✓
170	0.09	3.5	34.295	34.329			✓
200	0.08	3.7	33.059	33.062			
230	0.06	4	32.826	32.828			
Fines	<0.06	> 4	122.861	122.866			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 016-122-214
Sampling Date: 3/12/11
Analysis Date: 6/14/12

Container wt.: 6.152
Total wt.: 18.003
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	44.558	49.558			
18	1	0	46.400	46.418			
20	0.85	0.2	43.268	43.218			
25	0.71	0.5	45.640	45.694		✓	
30	0.6	0.7	43.214	43.240			
35	0.5	1	41.515	41.600			
40	0.43	1.2	39.651	39.765			
45	0.36	1.5	38.963	39.113			
50	0.3	1.7	39.075	39.570			✓
60	0.25	2	38.012	39.803		✓	✓
70	0.21	2.2	36.020	39.354			✓
80	0.18	2.5	36.450	39.958			✓
100	0.15	2.7	34.334	56.000			✓
120	0.13	3	35.408	35.968			✓
140	0.11	3.2	34.730	34.868			✓
170	0.09	3.5	34.301	34.339			
200	0.08	3.7	33.051	33.063			
230	0.06	4	32.827	32.827			
Fines	<0.06	> 4	122.801	122.565			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: 16-BZ-018 Container wt.: 6.152
Sampling Date: 3/10/11 Total wt.: 14.969
Analysis Date: 6/14/12 Sample wt.:

Observations: LOTS OF SHELLS AND FRAGS

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	44.559	50.018	SFS		
18	1	0	46.401	46.565	SFS	✓	
20	0.85	0.2	43.266	43.297			
25	0.71	0.5	41.689	45.732		✓	
30	0.6	0.7	43.215	43.267		✓	
35	0.5	1	41.573	41.629		✓	
40	0.43	1.2	39.656	39.707		✓	
45	0.36	1.5	38.964	39.029			
50	0.3	1.7	39.071	39.184		✓	✓
60	0.25	2	38.050	38.397		✓	✓
70	0.21	2.2	36.018	37.083		✓	✓
80	0.18	2.5	36.467	35.640		✓	✓
100	0.15	2.7	34.337	36.747			✓
120	0.13	3	35.405	36.774			✓
140	0.11	3.2	34.733	35.051			✓
170	0.09	3.5	34.297	34.337			✓
200	0.08	3.7	33.095	33.062			
230	0.06	4	32.876	32.826			
Fines	<0.06	> 4	122.502	122.505			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIB-BD-172
Sampling Date: 3/12/11
Analysis Date: 6/14/12

Container wt.: 6.152
Total wt.: 18.746
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	44.596	49.639			
18	1	0	46.424	46.447		✓	
20	0.85	0.2	43.282	45.291		✓	
25	0.71	0.5	45.761	45.767			
30	0.6	0.7	43.243	43.309			
35	0.5	1	41.589	41.618		✓	
40	0.43	1.2	39.667	39.707			
45	0.36	1.5	38.977	39.005			
50	0.3	1.7	39.083	39.188			
60	0.25	2	38.023	38.370		✓	✓
70	0.21	2.2	36.035	37.308		✓	✓
80	0.18	2.5	36.463	40.462			✓
100	0.15	2.7	34.343	38.254			✓
120	0.13	3	35.438	37.543			✓
140	0.11	3.2	34.752	35.233			✓✓
170	0.09	3.5	34.333	34.463			✓✓
200	0.08	3.7	33.074	33.082			
230	0.06	4	32.840	32.841			
Fines	<0.06	> 4	122.802	122.866			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-RZ-226
Sampling Date: 3/12/14
Analysis Date: 6/19/12

Container wt.: 6.152
Total wt.: ~~45.447~~ 20.266
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.592	49.591			
18	1	0	46.428	46.447			
20	0.85	0.2	43.285	43.285			
25	0.71	0.5	45.702	45.708			
30	0.6	0.7	43.268	43.314			
35	0.5	1	41.663	41.626			
40	0.43	1.2	39.677	39.718		✓	
45	0.36	1.5	38.976	39.010		✓	
50	0.3	1.7	39.100	39.165		✓	
60	0.25	2	38.030	38.182		✓	
70	0.21	2.2	36.045	36.846		✓	✓
80	0.18	2.5	36.476	40.437			✓
100	0.15	2.7	34.352	39.399			✓
120	0.13	3	35.466	38.316			✓
140	0.11	3.2	34.748	35.470			✓
170	0.09	3.5	34.328	34.429			✓
200	0.08	3.7	33.075	33.080			✓
230	0.06	4	32.840	32.846			
Fines	<0.06	> 4	122.804	122.801			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CIB-RZ-230 Container wt.: 6.151
Sampling Date: 5/12/11 Total wt.: 23.4169
Analysis Date: 6/19/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	44.589	49.957			
18	1	0.00	46.435	46.576			
20	0.85	0.25	43.287	43.305			
25	0.71	0.50	45.703	45.722			
30	0.6	0.75	43.277	43.358			
35	0.5	1.00	41.602	41.628			
40	0.43	1.25	39.689	39.725		✓	
45	0.36	1.50	38.978	39.026			
50	0.3	1.75	39.096	39.194			
60	0.25	2.00	38.026	38.303		✓	
70	0.21	2.25	36.643	37.155		✓	✓
80	0.18	2.50	36.503	41.370			✓
100	0.15	2.75	34.360	39.943			✓
120	0.13	3.00	35.444	38.878			✓
140	0.11	3.25	34.719	35.723			✓✓
170	0.09	3.50	34.245	34.470			✓✓
200	0.08	3.75	33.076	33.104			✓✓
230	0.06	4.00	32.840	32.850			
Fines	<0.06	> 4	122.803	122.806			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-R2-234 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 21.091
Analysis Date: 6/19/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.571	49.558			
18	1	0.00	46.435	46.441			
20	0.85	0.25	43.285	43.287			
25	0.71	0.50	45.706	45.710			
30	0.6	0.75	43.386	43.386			
35	0.5	1.00	41.600	41.609			
40	0.43	1.25	39.685	39.700		✓	
45	0.36	1.50	38.982	38.998			
50	0.3	1.75	39.100	39.169		✓	
60	0.25	2.00	38.040	38.282		✓	✓
70	0.21	2.25	36.645	36.929		✓	✓
80	0.18	2.50	36.465	39.293			✓
100	0.15	2.75	34.348	39.356			✓
120	0.13	3.00	35.447	39.769			✓
140	0.11	3.25	34.748	35.915			✓
170	0.09	3.50	34.336	34.497			✓
200	0.08	3.75	33.076	33.100			
230	0.06	4.00	32.838	32.849			
Fines	<0.06	> 4	122.801	122.808			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: CI-12-238 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 21.505
Analysis Date: 6/19/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.590	49.604			
18	1	0.00	46.439	46.437			
20	0.85	0.25	43.286	43.287			
25	0.71	0.50	45.704	45.705			
30	0.6	0.75	43.285	43.305		✓	
35	0.5	1.00	41.601	41.608			
40	0.43	1.25	39.682	39.689			
45	0.36	1.50	38.971	38.985		✓	
50	0.3	1.75	39.094	39.129		✓	
60	0.25	2.00	38.035	38.165		✓	
70	0.21	2.25	36.034	36.040		✓	✓
80	0.18	2.50	36.489	39.353		✓	✓
100	0.15	2.75	34.354	39.503			✓
120	0.13	3.00	35.451	40.202			✓
140	0.11	3.25	34.752	36.214			✓
170	0.09	3.50	34.334	34.504			✓
200	0.08	3.75	33.077	33.105			
230	0.06	4.00	32.899	32.852			
Fines	<0.06	> 4	122.809	122.812			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-BB-242 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 20.736
Analysis Date: 6/19/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.587	49.599			
18	1	0.00	46.436	46.459			
20	0.85	0.25	43.285	43.292			
25	0.71	0.50	45.704	45.715			
30	0.6	0.75	43.293	43.305			
35	0.5	1.00	41.603	41.618		✓	
40	0.43	1.25	39.679	39.693		✓	
45	0.36	1.50	38.971	38.997		✓	
50	0.3	1.75	39.088	39.125		✓	
60	0.25	2.00	38.074	38.095		✓	
70	0.21	2.25	36.078	36.254		✓	✓
80	0.18	2.50	36.450	37.583		✓	✓
100	0.15	2.75	34.346	39.080			✓
120	0.13	3.00	35.408	40.785			✓
140	0.11	3.25	34.745	36.822			✓
170	0.09	3.50	34.333	34.683			✓
200	0.08	3.75	33.071	33.139			✓
230	0.06	4.00	32.840	32.876			
Fines	<0.06	> 4	122.800	122.839			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C16-R2-246 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 18.891
Analysis Date: 6/9/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	44.596	44.606			
18	1	0.00	46.447	46.483			
20	0.85	0.25	43.290	43.306			
25	0.71	0.50	45.709	45.731			
30	0.6	0.75	43.283	43.303			
35	0.5	1.00	41.605	41.634			
40	0.43	1.25	34.679	34.710		✓	
45	0.36	1.50	38.972	39.022		✓	
50	0.3	1.75	39.088	39.173		✓	
60	0.25	2.00	38.021	38.200		✓	✓
70	0.21	2.25	36.023	36.383		✓	✓
80	0.18	2.50	36.454	37.877		✓	✓
100	0.15	2.75	34.351	38.195			✓
120	0.13	3.00	35.440	39.782			✓
140	0.11	3.25	34.753	36.502			✓
170	0.09	3.50	34.640	34.666			✓
200	0.08	3.75	33.081	33.142			✓
230	0.06	4.00	32.834	33.570			✓
Fines	<0.06	> 4	122.800	122.824			

Vibracore C17

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-002
Sampling Date: 3/12/11
Analysis Date: 5/7/12

Container wt.: 6.149
Total wt.: 16.964
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.400	49.403		
18	46.~~2~~38	46.257		
20	43.127	43.138		
25	45.558	45.576		
30	43.102	43.120		
35	41.460	41.504		
40	39.544	39.606	MICA	
45	38.689	38.845	"	
50	39.036	39.367	"	
60	37.819	38.925	"	
70	35.902	37.968	"	V
80	36.310	38.988		~
100	34.251	36.174		~~
120	35.312	36.498	PHOTO	~~
140	34.612	35.210	PHOTO	~~
170	34.168	34.39~~6~~	PHOTO	~~
200	32.930	33.043		~~
230	32.694	32.802		~~
Fines Collector 1	21.300			
Fines Collector 2	21.299			
Fines Collector 3	21.299	21.4~~0~~2		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-006
Sampling Date: 3/12/11
Analysis Date: 3/7/12

Container wt.: 6.148
Total wt.: 20.165
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.403	49.408		
18	46.233	46.245		
20	43.130	43.135		
25	45.559	45.579		
30	43.100	43.130		
35	41.458	41.517		
40	39.542	39.620		
45	38.681	38.870		
50	39.024	39.430		
60	37.814	39.174		
70	35.899	38.540	MICA	✓
80	36.311	39.910		✓
100	34.287	36.685		✓
120	35.313	36.902		✓✓
140	34.608	35.425		✓✓
170	34.170	34.477		✓✓
200	32.934	33.093		✓✓
230	32.694	32.829		✓✓
Fines Collector 1	21.300			
Fines Collector 2	21.300			
Fines Collector 3	21.300	21.427		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-C20
Sampling Date: 3/12/11
Analysis Date: 3/7/12

Container wt.: 6.150
Total wt.: 20.160
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.408	49.410		
18	46.233	46.235		
20	43.130	43.137		
25	45.554	45.565		
30	43.000	43.110		
35	41.456	41.492		
40	39.543	39.591	MICA	
45	38.681	38.828		
50	39.018	39.318		
60	37.820	38.895	MICA	✓
70	35.920	38.265	"	✓
80	36.345	39.945		✓
100	34.253	36.932		✓✓
120	35.321	37.146		✓✓
140	34.611	35.572		✓✓
170	34.172	34.521		✓✓
200	32.938	33.121		✓✓
230	32.696	32.883		✓✓
Fines Collector 1	21.302			
Fines Collector 2	21.301			
Fines Collector 3	21.303	21.484		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-014 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 21.817
Analysis Date: 3/7/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.411	49.465	CLUMP / SHELL FRAG	
18	46.234	46.292	SOME CLUMPS	
20	43.132	43.148		
25	45.556	45.576		
30	43.100	43.124		
35	41.456	41.522		
40	39.540	39.629		
45	38.676	38.889		
50	39.018	39.483		✓
60	37.822	39.359		✓
70	35.913	38.918		✓
80	36.336	40.155		✓
100	34.269	37.048		✓
120	35.328	37.080		✓✓
140	34.611	35.537		✓✓
170	34.176	34.525		✓✓
200	32.937	33.108		✓✓
230	32.698	32.845		✓✓
Fines Collector 1	21.302			
Fines Collector 2	21.301			
Fines Collector 3	21.302	21.434		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-018
Sampling Date: 3/12/11
Analysis Date: 3/7/12

Container wt.: 6.152
Total wt.: 20.042
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.412	49.412		
18	46.234	46.247	SOME CLUMPS	
20	43.133	43.142		
25	45.558	45.570		
30	43.100	43.116		
35	41.458	41.506		
40	39.543	39.606		
45	38.679	38.833		
50	39.011	39.342		✓
60	37.822	38.914		✓
70	35.908	38.250		✓
80	36.341	39.976		✓
100	34.268	36.853		✓
120	35.354	37.174		✓✓
140	34.615	35.539		✓✓
170	34.179	34.544		✓✓
200	32.937	33.111		✓✓
230	32.699	32.840		✓✓
Fines Collector 1	21.302			
Fines Collector 2	21.302			
Fines Collector 3	21.302	21.415		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-022
Sampling Date: 3/12/11
Analysis Date: 3/7/12

Container wt.: 6.152
Total wt.: 18.921
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.411	49.425		
18	46.734	46.254		
20	43.132	43.145		
25	45.557	45.572		
30	43.101	43.125		
35	41.455	41.515		
40	39.541	39.618		
45	38.675	38.847		
50	39.009	39.341		✓
60	37.831	38.791	MICA	✓
70	35.917	37.908	"	✓
80	36.344	39.500		✓
100	34.272	36.593		✓
120	35.251	37.065		✓✓
140	34.620	35.545	PHOTO	✓✓
170	34.180	34.584		✓✓
200	32.944	33.132		✓✓
230	32.699	32.874		✓✓
Fines Collector 1	21.304			
Fines Collector 2	21.302			
Fines Collector 3	21.302	21.461		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-026
Sampling Date: 3/12/11
Analysis Date: 3/7/12

Container wt.: 6.152
Total wt.: 16.468
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.413	49.589		
18	46.235	46.285		
20	43.133	43.158		
25	45.557	45.624		
30	43.101	43.161		
35	41.456	41.621		
40	39.541	39.712		
45	38.676	38.989	MICA	
50	39.016	39.578	"	✓
60	37.824	39.167		✓
70	35.916	37.946		✓
80	36.345	38.401		✓
100	34.265	35.717		✓✓
120	35.349	36.255		✓✓
140	34.621	35.116		✓✓
170	34.175	34.378		✓✓
200	32.941	33.023		✓✓
230	32.702	32.767		✓✓
Fines Collector 1	21.304			
Fines Collector 2	21.301			
Fines Collector 3	21.300	21.368		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-030
Sampling Date: 3/12/11
Analysis Date: 3/7/12

Container wt.: 6.153
Total wt.: 20.353
Sample wt.:

Observations: MOD-LARGE SHELL FRAGS.

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.415	49.538		
18	46.235	46.406		
20	43.133	43.180		
25	45.558	45.687		
30	43.098	43.285		
35	41.455	41.905		
40	39.541	40.025		
45	38.672	39.528		✓
50	39.012	40.264	MICA	✓
60	37.831	40.043		✓
70	35.927	38.631		✓
80	36.334	39.229		✓
100	34.270	35.915		✓
120	35.338	36.077		✓✓
140	34.619	34.824		✓✓
170	34.175	34.209		✓✓
200	32.939	32.947		
230	32.701	32.705		
Fines Collector 1	21.305			
Fines Collector 2	21.301			
Fines Collector 3	21.300	21.310		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-034 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 19.916
Analysis Date: 3/7/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.403	49.560		
18	46.233	46.477		
20	43.134	43.204		
25	45.558	45.777	MICA	
30	43.103	43.377		
35	41.455	42.077		
40	39.542	40.178		
45	38.684	39.676	MICA	✓
50	39.023	40.315	"	✓
60	37.834	34.916	"	✓
70	35.919	38.409	"	✓
80	36.345	38.715		✓
100	34.273	35.709		✓✓
120	35.332	35.978		✓
140	34.617	34.795		✓✓
170	34.174	34.200		✓✓
200	32.938	32.944		
230	32.700	32.702		
Fines Collector 1	21.301			
Fines Collector 2	21.299			
Fines Collector 3	21.299	21.304		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-038
Sampling Date: 3/12/11
Analysis Date: 3/7/12

Container wt.: 6.151
Total wt.: 20.865
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.413	49.585		
18	46.233	46.296		
20	43.133	43.157		
25	45.560	45.621		
30	43.105	43.203		
35	41.463	41.743		
40	39.546	39.914		
45	38.692	39.395		
50	39.023	40.213	NICA	
60	37.845	40.281		✓
70	35.922	39.094		✓
80	36.353	39.342		✓
100	34.271	36.096		✓✓
120	35.335	36.302		✓✓
140	34.615	34.934		✓✓
170	34.172	34.230		✓✓
200	32.935	32.949		✓✓
230	32.698	32.704		✓
Fines Collector 1	21.299			
Fines Collector 2	21.299			
Fines Collector 3	21.299	21.303		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-042
Sampling Date: 3/12/11
Analysis Date: 3/9/12

Container wt.: 6.151
Total wt.: 23.775
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.418	49.462		
18	46.235	46.313		
20	43.134	43.160		
25	45.562	45.638		
30	43.108	43232		
35	41.464	41.904		
40	39.548	40.069		
45	38.689	39.918		
50	39.033	41.147	MICA	✓
60	37.849	41.274	"	✓
70	35.936	39251	"	✓
80	36.345	39.092		✓✓
100	34.278	35.974		✓✓
120	35.335	36.457		✓✓
140	34.619	35.071		✓✓
170	34.173	34.260		✓✓
200	32.935	32.952		✓✓
230	32.697	32.703		
Fines Collector 1	21.300			
Fines Collector 2	21.299			
Fines Collector 3	21.299	21.303		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-046
Sampling Date: 3/12/11
Analysis Date: 3/7/12

Container wt.: 6.151
Total wt.: 23.959
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.417	49.417		
18	46.236	46.241		
20	43.136	43.136		
25	45.574	45.574		
30	43.099	43.130		
35	41.458	41.608		
40	39.543	39.944		
45	38.691	39.955		✓
50	39.033	41.567		✓
60	37.872	42.018		✓
70	35.933	39.769		✓
80	36.351	39.372		✓✓
100	34.274	35.755		✓✓
120	35.340	35.964		✓✓
140	34.617	34.822		✓✓
170	34.173	34.213		✓✓
200	32.936	32.941		
230	32.697	32.700		
Fines Collector 1	21.298			
Fines Collector 2	21.299			
Fines Collector 3	21.299	21.301		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-050
Sampling Date: 3/12/11
Analysis Date: 3/7/12

Container wt.: 6.151
Total wt.: 82.789
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.415	49.427		
18	46.236	46.262		
20	43.135	43.144		
25	45.560	45.605		
30	43.099	43.180		
35	41.457	41.804		
40	39.543	40.175		
45	38.694	40.323		✓
50	39.060	41.813		✓
60	37.850	41.702		✓
70	35.919	39.039		✓
80	36.360	38.622		✓✓
100	34.281	35.357		✓✓
120	35.330	35.858		✓✓
140	34.616	34.812		✓✓
170	34.172	34.214		✓✓
200	32.935	32.943		
230	32.697	32.698		
Fines Collector 1	21.300			
Fines Collector 2	21.299			
Fines Collector 3	21.299	21.307		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-054 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 20.412
Analysis Date: 3/7/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.421	49.475	CLUMPS	
18	46.238	46.246		
20	43.135	43.151		
25	45.564	45.613		
30	43.103	43.199		
35	41.461	41.769		
40	39.551	40.037		
45	38.705	39.839		✓
50	39.043	41.019	MICA	✓
60	37.871	41.015	"	✓
70	35.934	38.564		✓
80	36.335	38.351		VV
100	34.272	35.442		VV
120	35.329	36.074		VV
140	34.616	34.931		VV
170	34.171	34.233		VV
200	32.933	32.947		
230	32.697	32.702		
Fines Collector 1	21.300			
Fines Collector 2	21.299			
Fines Collector 3	21.298	21.300		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-058 Container wt.: 6.149
Sampling Date: 3/12/11 Total wt.: 20.196
Analysis Date: 3/11/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.428	49.443		
18	46.241	46.290		
20	43.141	43.171		
25	45.572	45.624		
30	43.103	43.180		
35	41.463	41.720		
40	39.547	39.996		
45	38.693	39.846		✓
50	39.043	41.078		✓
60	37.869	40.805		✓
70	35.942	38.487		✓
80	36.364	38.508		✓
100	34.275	35.500		✓✓
120	35.335	36.019		✓✓
140	34.616	34.876		✓✓
170	34.170	34.226		✓✓
200	32.935	32.942		
230	32.696	32.698		
Fines Collector 1	20.280			
Fines Collector 2	20.283			
Fines Collector 3	20.281	20.289		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-062
Sampling Date: 3/12/11
Analysis Date: 3/9/12

Container wt.: 6.152
Total wt.: 22.579
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.485	49.434		
18	46.254	46.287		
20	43.154	43.159		
25	45.576	45.589		
30	43.117	43.147		
35	41.476	41.644		
40	39.563	39.927	MICA	
45	38.724	39.795		✓
50	39.066	41.226	MICA	✓
60	37.872	41.413	"	✓
70	35.929	39.398	"	✓
80	36.359	39.161		✓
100	34.288	35.880		✓✓
120	35.347	36.098		✓✓
140	34.631	34.865		✓✓
170	34.186	34.226		✓✓
200	32.949	32.957		
230	32.712	32.715		
Fines Collector 1	21.307			
Fines Collector 2	21.305			
Fines Collector 3	21.304	21.308		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-066
Sampling Date: 3/12/11
Analysis Date: 3/14/12

Container wt.: 6.150
Total wt.: 20.033
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.423	49.810		
18	46.244	47.035		
20	43.140	43.420		
25	45.568	46.215		
30	43.104	43.734		
35	41.466	42.568		
40	39.547	40.242		✓
45	38.697	39.565		✓
50	39.050	39.997		✓
60	37.882	39.396		✓
70	35.956	37.666		✓
80	36.361	38.098		✓✓
100	34.282	35.675		✓✓
120	35.337	36.089		✓✓
140	34.615	34.896		✓✓
170	34.169	34.229		✓✓
200	32.934	32.943		✓✓
230	32.696	32.703		
Fines Collector 1	20.281			
Fines Collector 2	20.287			
Fines Collector 3	20.279	20.282		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-070
Sampling Date: 3/12/11
Analysis Date: 3/9/12

Container wt.: 6.151
Total wt.: 22.385
Sample wt.: _____

Observations: SML - MED SHELL FRAGS .

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.436	52.178		
18	46.260	47.680		
20	43.153	43.516		
25	45.585	46.301	MICA	
30	43.126	43.748		
35	41.489	42.430		
40	39.565	40.188		
45	38.715	39.534		
50	39.056	40.136	MICA	✓
60	37.870	39.593	"	✓
70	35.936	37.784	"	✓
80	36.363	38.051	"	✓✓
100	34.286	35.269		✓✓
120	35.352	35.769		✓✓
140	34.678	34.765		✓✓
170	34.183	34.214		✓✓
200	32.948	32.956		
230	32.711	32.715		
Fines Collector 1	21.303			
Fines Collector 2	21.304			
Fines Collector 3	21.304	21.312		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-074
Sampling Date: 3/12/11
Analysis Date: 3/9/12

Container wt.: 6.150
Total wt.: 21.602
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.433	49.848		
18	46.259	46.540		
20	43.154	43.227		
25	45.590	45.791		
30	43.123	43.470		
35	41.482	42.380		
40	39.564	40.159		
45	38.714	39.392		
50	39.049	40.098	MICA	✓
60	37.864	40.292		✓
70	35.918	39.120	MICA	✓
80	36.340	39.245		✓
100	34.280	35.795		✓✓
120	35.343	35.927		✓✓
140	34.628	34.801		✓✓
170	34.181	34.223		✓✓
200	32.947	32.953		
230	32.710	32.712		
Fines Collector 1	21.302			
Fines Collector 2	21.305			
Fines Collector 3	21.305	21.306		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-078
Sampling Date: 3/12/11
Analysis Date: 3/11/12

Container wt.: 6.150
Total wt.: 17.039
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.938	49.648		
18	46.242	46.501		
20	43.183	43.206		
25	45.570	45.699		
30	43.107	43.277		
35	41.467	41.821		
40	39.550	39.836		
45	38.696	39.094		
50	39.049	39.703		✓
60	37.867	39.570	MICA	✓
70	35.990	38.405	"	✓
80	36.361	38.603		✓
100	34.279	35.598		✓✓
120	35.334	35.776		✓
140	34.621	34.718		✓✓
170	34.172	34.184		✓✓
200	32.936	32.937		
230	32.699	32.699		
Fines Collector 1	20.293			
Fines Collector 2	20.292			
Fines Collector 3	20.284	20.288		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-082
Sampling Date: 3/12/11
Analysis Date: 3/1/12

Container wt.: 6.150
Total wt.: 21.303
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.431	49.715		
18	46.242	46.422		
20	43.142	43.221		
25	45.571	45.791		
30	43.108	43.313		
35	41.469	41.897		
40	39.549	39.974		
45	38.693	39.345		✓
50	39.046	40.166		✓
60	37.869	40.305		✓
70	35.936	39.168		✓
80	36.348	39.553		✓
100	34.278	35.987		✓
120	35.332	36.050		✓✓
140	34.615	34.798		✓✓
170	34.171	34.201		✓✓
200	32.935	32.941		
230	32.699	32.701		
Fines Collector 1	20.283			
Fines Collector 2	20.283			
Fines Collector 3	20.280	20.283		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-086
Sampling Date: 3/12/11
Analysis Date: 3/9/12

Container wt.: 6.149
Total wt.: 17.080
Sample wt.: _____

Observations: SML-MED SHELL FRAGS.

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.460	49.676		
18	46.252	46.398		
20	43.151	43.190		
25	45.583	45.687		
30	43.122	43.229	MICA	
35	41.484	41.767		
40	39.560	39.847		
45	38.716	39.242	MICA	✓
50	39.066	39.965	" "	✓
60	37.882	34.626		✓
70	35.931	38.182		✓
80	34.397	38.613		✓
100	34.288	35.577		✓✓
120	35.348	35.860		✓✓
140	34.625	34.754		✓✓
170	34.181	34.204		✓✓
200	32.947	32.950		
230	32.708	32.710		
Fines Collector 1	21.291			
Fines Collector 2	21.313			
Fines Collector 3	21.300	21.302		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: ~~CI~~ CI7-090 Container wt.: 4.150
Sampling Date: 3/12/11 Total wt.: 19.006
Analysis Date: 3/9/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.455	49.916		
18	46.252	46.573		
20	43.150	43.250		
25	45.579	45.749		
30	43.117	43.314		
35	41.477	41.861		
40	39.558	39.914	MICA	
45	38.708	39.306	"	✓
50	39.065	40.037	"	✓
60	37.874	39.701	"	✓
70	35.940	38.209	"	✓
80	36.372	38.658		✓✓
100	34.288	35.771		✓✓
120	35.340	36.178		✓✓
140	34.625	35.002		✓✓
170	34.180	34.289		✓✓
200	32.946	32.972		✓✓
230	32.709	32.726		
Fines Collector 1	20.287			
Fines Collector 2	20.297			
Fines Collector 3	20.292	20.303		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-094
Sampling Date: 3/12/11
Analysis Date: 3/11/12

Container wt.: 6.150
Total wt.: 16.596
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.426	49.537		
18	46.240	46.341		
20	43.142	43.206		
25	45.571	45.738		
30	43.103	43.238		
35	41.463	41.733	MICA	
40	39.554	39.795		
45	38.706	39.162		
50	39.050	39.790	MICA	✓
60	37.880	39.485	"	✓
70	35.952	37.911		✓
80	36.355	38.397		✓✓
100	34.278	35.586		✓✓
120	35.333	36.057		✓✓
140	34.614	34.917		✓✓
170	34.170	34.248		✓✓
200	32.935	32.951		✓✓
230	32.698	32.706		
Fines Collector 1	20.279			
Fines Collector 2	[illegible]			
Fines Collector 3	20.279	20.289		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-C98 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 20.556
Analysis Date: 3/12/12 Sample wt.: _____

Observations: SML - LARGE SHELL FRAGS .

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.427	49.639		
18	46.244	46.649		
20	43.144	43.266		
25	45.576	45.897		
30	43.111	43.440		
35	41.468	42.146	MICA	
40	39.549	40.163	"	
45	38.705	39.630	"	✓
50	39.043	40.327	"	✓
60	37.889	39.894	"	✓
70	35.955	38.015		✓
80	36.362	38.595		✓
100	34.286	35.971		✓✓
120	35.341	36.309		✓✓
140	34.619	34.952		✓✓
170	34.173	34.227		✓✓
200	32.936	32.947		✓✓
230	32.699	32.704		
Fines Collector 1	20.281			
Fines Collector 2	20.285			
Fines Collector 3	20.285	20.287		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-102 Container wt.: 6.150
Sampling Date: 3/12/11 Total wt.: 18.612
Analysis Date: 3/12/12 Sample wt.: _____

Observations: SML-MED SHELL FRAGS.

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.430	49.514		
18	46.247	46.381		
20	43.143	43.258		
25	45.573	45.812	1 MICA FLK	
30	43.103	43.414		
35	41.471	42.171		
40	39.550	40.207	MICA	✓
45	38.709	39.692		✓
50	39.043	40.320		✓
60	37.904	39.922	MICA	✓
70	35.966	38.136	"	✓
80	36.355	38.277	"	✓✓
100	34.285	35.207	"	✓✓
120	35.341	35.784		✓✓
140	34.616	34.804		✓✓
170	34.170	34.212		✓✓
200	32.936	32.945		✓✓
230	32.696	32.700		
Fines Collector 1	20.289			
Fines Collector 2	20.292			
Fines Collector 3	20.284	20.284		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17 - 106
Sampling Date: 3/12/11
Analysis Date: 3/12/12

Container wt.: 6.151
Total wt.: 16.638
Sample wt.: _____

Observations: SML - MED SHELL FRAGS.

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.427	49.621		
18	46.244	46.379		
20	43.146	43.276		
25	45.574	45.756		
30	43.105	43.310		
35	41.470	41.935		
40	39.552	39.976	MICA	✓
45	38.714	39.385		✓
50	39.052	39.760	MICA	✓
60	37.912	38.931	"	✓
70	35.971	37.180	"	✓
80	36.354	38.205	"	✓
100	34.279	36.042		✓
120	35.334	36.394		✓✓
140	34.618	34.910		✓✓
170	34.171	34.212		✓✓
200	32.935	32.944		✓✓
230	32.698	32.700		
Fines Collector 1	20.281			
Fines Collector 2	20.286			
Fines Collector 3	20.282	20.281		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: 017-100 Container wt.: 6.150
Sampling Date: 3/12/11 Total wt.: 18.015
Analysis Date: 3/12/12 Sample wt.:

Observations: SML SHELL FRAG
(MOSTLY COMPLETE GASTROPOD SHELL

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.422	49.893		
18	46.245	46.480		
20	43.142	43.218		
25	45.574	45.742		
30	43.108	43.299		
35	41.470	41.869		
40	39.551	39.982	MICA	
45	38.716	39.456	"	✓
50	39.045	40.021		✓
60	37.900	39.336		✓
70	35.957	37.630		✓
80	36.382	38.128		✓
100	34.292	35.599		✓✓
120	35.345	36.058		✓✓
140	34.618	34.833		✓✓
170	34.169	34.210		✓✓
200	32.935	32.942		✓✓
230	32.697	32.699		
Fines Collector 1	20.280			
Fines Collector 2	20.282			
Fines Collector 3	20.281	20.286		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-18
Sampling Date: 3/12/11
Analysis Date: 3/12/12

Container wt.: 6.150
Total wt.: [redacted] 19.335
Sample wt.: _____

Observations: SML - LRG SHELL FRAGS .

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.425	50.216		
18	46.242	46.558		
20	43.141	43.247		
25	45.576	45.819		
30	43.105	43.275		
35	41.469	41.835		
40	39.557	39.884		
45	38.715	39.320		
50	39.051	39.980		✓
60	37.895	39.541		✓
70	35.937	37.970	MICA	✓
80	36.396	38.670		✓
100	34.310	36.029		✓✓
120	35.371	36.328		✓✓
140	34.624	34.880		✓✓
170	34.170	34.209		✓✓
200	32.935	32.942		✓✓
230	32.698	32.701		
Fines Collector 1	20.600			
Fines Collector 2	20.158			
Fines Collector 3	20.721	20.720		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-118 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 20.0 ~~20.0~~
Analysis Date: 3/12/12 Sample wt.: _____

Observations: SML - MED ~~SAND~~ SHELL FRAGS.

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.431	~~50~~.813		
18	46.241	47.508		
20	43.142	43.499		
25	45.574	46.217		
30	43.108	43.650		
35	41.475	42.238	MICA	
40	39.~~9~~55	40.047	"	
45	38.714	39.263	"	✓
50	39.057	39.539	"	✓
60	37.897	38.512	"	✓
70	35.950	36.650	"	✓
80	36.382	37.733	"	✓
100	34.293	36.360	"	✓
120	35.337	37.185		✓
140	34.614	35.251		✓✓
170	34.167	34.264		✓✓
200	32.932	32.953		✓✓
230	32.~~6~~95	32.710		
Fines Collector 1	20.~~668~~			
Fines Collector 2	20.601			
Fines Collector 3	20.599	20.60~~7~~		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-122
Sampling Date: 3/12/11
Analysis Date: 3/12/12

Container wt.: 6.150
Total wt.: 20.200
Sample wt.: _____

Observations: SML - ~~MED~~ CRS SHELL FRAG.

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.421	51.826		
18	46.242	47.400	MICA	
20	43.144	43.410	MICA	
25	45.578	46.038	MICA	
30	43.106	43.470	"	
35	41.467	42.041	"	
40	39.555	39.919	"	
45	38.709	39.162	"	
50	39.063	39.566	"	
60	37.917	38.568	"	✓
70	35.942	36.790	"	✓
80	36.380	37.750	"	✓
100	34.317	36.355		✓
120	35.355	37.149		✓
140	34.621	35.234		✓✓
170	34.170	34.254		✓✓
200	32.935	32.952		✓✓
230	32.701	32.707		
Fines Collector 1	20.635			
Fines Collector 2	20.638			
Fines Collector 3	20.598	20.601		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-126
Sampling Date: 3/12/11
Analysis Date: 3/12/12

Container wt.: 6.150
Total wt.: 20.167
Sample wt.:

Observations: SML - MED SHELL FRAGS .

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.418	50.097		
18	46.242	46.835		
20	43.144	43.326	MICA	
25	45.580	45.933		
30	43.105	43.511	MICA	
35	41.465	42.219		
40	39.556	40.232	MICA	✓
45	38.704	39.793	"	✓
50	39.057	40.333	"	✓
60	37.901	39.442	"	✓
70	35.930	37.333	"	✓
80	36.380	37.869	"	✓
100	34.328	36.009	"	✓✓
120	35.381	36.697		✓
140	34.623	35.096		✓✓
170	34.174	34.238		✓✓
200	32.938	32.948		✓✓
230	32.700	32.706		
Fines Collector 1	20.589			
Fines Collector 2	20.589			
Fines Collector 3	20.587	20.584		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C17-130
Sampling Date: 3/12/11
Analysis Date: 3/12/12

Container wt.: 6.150
Total wt.: 19.130
Sample wt.:

Observations: SML SHELL FRAGS .

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.417	50.107		
18	46.243	46.972	MICA	
20	43.140	43.344		
25	45.581	45.946		
30	43104	43495		
35	41.472	42.154		
40	39.558	40.140		
45	38.712	39.586		
50	39.064	40.130	MICA	✓
60	37.902	39.287	"	✓
70	35.931	37.226	"	✓
80	36.360	37.781	"	✓
100	34.319	35.885	"	✓
120	35.361	36.955		✓
140	34.623	35.063		✓✓
170	34.172	34.232		✓✓
200	32.935	32.947		
230	32.698	32.705		
Fines Collector 1	20.588			
Fines Collector 2	20.586			
Fines Collector 3	20.586	20.593		
Sum total				

Vibracore C18

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-002
Sampling Date: 3/12/11
Analysis Date: 3/14/12

Container wt.: 6.160
Total wt.: 16.737
Sample wt.:

Observations:

10	49.409	49.487		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.243	46.254		
20	43.139	43.141		
25	45.559	45.569		
30	43.074	43.093		
35	41.441	41.548		
40	39.533	39.792	SML MICA	
45	38.673	39.434	"	✓
50	38.972	40.290	"	✓
60	37.731	39.959	"	✓
70	35.849	37.939	"	✓
80	36.233	37.845		✓
100	34.206	35.190		✓
120	35.265	35.898		✓
140	34.593	34.908		✓
170	34.167	34.332		✓
200	32.926	32.937		
230	32.693	32.699		
Fines Collector 1	21.295			
Fines Collector 2	21.289			
Fines Collector 3	21.284	21.299		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-006
Sampling Date: 3/12/11
Analysis Date: 3/14/12

Container wt.: 6.159
Total wt.: 18.651
Sample wt.: _____

Observations: _____

10	49.408	49.408		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.243	46.269		
20	43.138	43.140		
25	45.558	45.587		
30	43.072	43.104		
35	41.440	41.581		
40	39.530	39.811		
45	38.672	39.478	SML MICA	✓
50	38.973	40.424	"	✓
60	37.731	40.322	"	✓
70	35.865	38.364		
80	36.234	38.210		✓
100	34.205	35.435		✓
120	35.260	36.101		✓
140	34.591	35.052		✓
170	34.164	34.248		✓
200	32.922	32.935		✓
230	32.690	32.697		
Fines Collector 1	21.289			
Fines Collector 2	21.284			
Fines Collector 3	21.285	21.293		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-010
Sampling Date: 3/12/11
Analysis Date: 2/14/12

Container wt.: 6.156
Total wt.: 21.177
Sample wt.: _____

Observations: _____

10	49.408	49.715		
Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.243	46.260		
20	43.136	43.152		
25	45.558	45.579		
30	43.072	43.164		
35	41.442	41.592		
40	39.529	39.800	SML MICA	
45	38.676	39.462	"	✓
50	38.983	40.616	"	✓
60	37.738	41.139	"	✓
70	35.865	39.186		✓
80	36.245	38.763		✓
100	34.209	35.587		✓
120	35.273	36.020		✓
140	34.592	34.903		✓
170	34.161	34.220		✓
200	32.921	32.930		✓
230	32.689	32.693		
Fines Collector 1	21.287			
Fines Collector 2	21.284			
Fines Collector 3	21.285	21.288		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-014
Sampling Date: 3/12/11
Analysis Date: 2/14/12

Container wt.: 6.155
Total wt.: 18.829
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.409	49.520		
18	46.243	46.253		
20	43.136	43.142		
25	45.560	45.587		
30	43.071	43.112		
35	41.441	41.587	SML MICA	
40	39.530	39.790		
45	38.676	39.532		
50	38.975	39.440	SML MICA	
60	37.748	40.624		✓
70	35.913	39.920		
80	36.249	38.788		✓
100	34.215	35.177		✓
120	35.268	35.728		✓
140	34.592	34.782		✓
170	34.162	34.195		✓
200	32.920	32.925		✓
230	32.688	32.696		
Fines Collector 1	21.284			
Fines Collector 2	21.284			
Fines Collector 3	21.285	21.285		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-018
Sampling Date: 3/12/11
Analysis Date: 2/16/12

Container wt.: 6.156
Total wt.: 18.551
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	419.416	49.448		
18	46.249	46.269		
20	43.142	43.150		
25	45.563	45.584		
30	43.081	43.114		
35	41.448	41.601	MICA	
40	39.538	39.809	"	
45	38.686	39.448	"	✓
50	38.988	40.544	"	✓
60	37.760	40.635	"	✓
70	35.893	38.659	"	✓
80	36.260	38.293	"	✓
100	34.227	35.266	"	✓
120	35.284	35.816		✓
140	34.606	34.819		✓
170	34.172	34.205		✓
200	32.931	32.933		
230	32.699	32.699		
Fines Collector 1	21.289			
Fines Collector 2	21.288			
Fines Collector 3	21.287	21.291		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-022
Sampling Date: 3/12/11
Analysis Date: 2/16/12

Container wt.: 6.154
Total wt.: 18.837
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.421	49.451		
18	46.249	46.265		
20	43.141	43.142		
25	45.561	45.570		
30	43.081	43.104		
35	41.449	41.574		
40	39.539	39.775		
45	38.685	39.499		✓
50	38.994	40.597		✓
60	37.758	40.799		✓
70	35.878	38.665	MICA	✓
80	36.268	38.350		✓
100	34.727	35.331		✓
120	35.273	35.812		✓
140	34.601	34.794		✓
170	34.170	34.204		✓
200	32.928	32.933		
230	32.696	32.697		
Fines Collector 1	21.289			
Fines Collector 2	21.287			
Fines Collector 3	21.287	21.292		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-026 Container wt.: 6.153
Sampling Date: 8/12/11 Total wt.: 19.867
Analysis Date: 2/16/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.426	49.428		
18	46.249	46.264		
20	43.140	43.145		
25	45.562	45.583		
30	43.083	43.106		
35	41.458	41.547	MICA	✓
40	39.543	39.719	"	
45	38.691	39.169	"	✓
50	39.014	40.035		✓
60	37.773	40.082	MICA	✓
70	35.937	38.623	"	✓
80	36.281	39.017		✓
100	34.227	36.191		✓
120	34.289	36.036		✓
140	34.600	35.219		✓
170	34.169	34.288		✓
200	32.927	32.950		✓
230	32.696	32.706		✓
Fines Collector 1	21.289			
Fines Collector 2	21.287			
Fines Collector 3	21.286	21.293		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI8-030
Sampling Date: 3/12/11
Analysis Date: 2/16/12

Container wt.: 6.153
Total wt.: 18.114
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.427	49.437		
18	46.250	46.261		
20	43.140	43.143		
25	45.563	45.573		
30	43.083	43.106		
35	41.453	41.535	MICA	
40	39.541	39.693		✓
45	38.685	39.063		✓
50	39.007	39.780	MICA	✓
60	37.772	39.361	"	✓
70	35.892	37.869	"	✓
80	36.278	38.610	"	✓
100	34.244	36.216		✓
120	35.286	36.817		✓
140	34.606	35.438		✓
170	34.169	34.330		✓
200	32.927	32.952		
230	32.695	32.705		
Fines Collector 1	21.287			
Fines Collector 2	21.287			
Fines Collector 3	21.287	21.293		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CIB-034 Container wt.: 6.152
Sampling Date: 3/12/11 Total wt.: 22.0182
Analysis Date: 2/16/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.422	49.436		
18	46.250	46.258		
20	43.141	43.143		
25	45.561	45.577		
30	43.085	43.102		
35	41.453	41.544		
40	39.541	39.720	MICA	✓
45	38.684	39.228		✓
50	38.999	40.193		✓
60	37.764	40.180		✓
70	35.901	38.693		✓
80	36.268	39.254		✓
100	34.242	36.469		✓
120	35.304	37.249		✓
140	34.604	35.704		✓
170	34.170	34.397		✓
200	32.928	32.969		✓
230	32.696	32.715		✓
Fines Collector 1	21.287			
Fines Collector 2	21.286			
Fines Collector 3	21.287	21.293		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-038
Sampling Date: 3/12/11
Analysis Date: 2/16/12

Container wt.: 6.151
Total wt.: 19.986
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.435	49.426		
18	46.247	46.247		
20	43.137	43.142		
25	45.563	45.566		
30	43.084	43.091		
35	41.454	41.485		
40	39.539	39.610		
45	38.680	38.942		
50	38.998	39.735	MICA	✓
60	37.772	39.633		✓
70	35.898	38.312		✓
80	36.273	38.817		✓
100	34.244	36.400		✓
120	35.299	37.313		✓
140	34.606	35.919		✓
170	34.170	34.471		✓
200	32.930	32.978		✓
230	32.697	32.716		✓
Fines Collector 1	21.288			
Fines Collector 2	21.287			
Fines Collector 3	21.287	21.297		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-042
Sampling Date: 3/12/11
Analysis Date: 2/16/12

Container wt.: 6.151
Total wt.: 21.208
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.425	49.497	CLUMPS	
18	46.246	46.290		
20	43.137	43.146		
25	45.560	45.577		
30	43.083	43.110		
35	41.454	41.564		
40	39.541	39.726		
45	38.678	39.275		✓
50	38.990	40.361		✓
60	37.767	40.593		✓
70	35.880	39.014		✓
80	36.287	39.130		✓
100	34.247	35.980		✓
120	35.311	36.475		✓
140	34.610	35.243		✓
170	34.170	34.308		✓
200	32.927	32.951		✓
230	32.695	32.705		✓
Fines Collector 1	21.289			
Fines Collector 2	21.285			
Fines Collector 3	21.284	21.292		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-046 Container wt.: 6.150
Sampling Date: 3/12/11 Total wt.: 23.234
Analysis Date: 2/16/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.426	49.473	CLUMPS	
18	46.247	46.279		
20	43.138	43.159		
25	45.561	45.585		
30	43.086	43.127		
35	41.455	41.595		✓
40	39.543	39.793		✓
45	38.684	39.423	MICA	✓
50	38.998	40.641	"	✓
60	37.765	40.849		✓
70	36.907	39.257		✓
80	36.286	39.344		✓
100	34.246	36.421		✓
120	35.306	36.782		✓
140	34.608	35.340		✓
170	34.171	34.339		✓
200	32.928	32.961		✓
230	32.694	32.707		✓
Fines Collector 1	21.287			
Fines Collector 2	21.284			
Fines Collector 3	21.285	21.288		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-050
Sampling Date: 3/12/11
Analysis Date: 2/16/12

Container wt.: 6.150
Total wt.: 18.674
Sample wt.:

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.430	49.427		
18	46.248	46.264		
20	43.137	43.141		
25	45.569	45.575		
30	43.086	43.105		
35	41.455	41.547		✓
40	39.540	39.693		✓
45	38.683	39.091		✓
50	38.996	39.902		✓
60	37.765	39.767		✓
70	35.898	38.487		✓
80	36.292	38.931		✓
100	34.252	36.036		✓
120	35.305	36.473		✓
140	34.607	35.128		✓
170	34.168	34.274		✓
200	32.918	32.946		✓
230	32.694	32.700		✓
Fines Collector 1	21.287			
Fines Collector 2	21.285			
Fines Collector 3	21.286	21.290		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-054 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 19.577
Analysis Date: 2/16/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.425	49.450	CLUMPS	
18	46.246	46.263		
20	42.136	42.151		
25	45.561	45.577		
30	43.085	43.108		
35	41.459	41.570		
40	39.541	39.723		
45	38.684	39.181	MICA	
50	38.994	40.019		✓
60	37.765	39.946		✓
70	35.912	38.648	MICA	✓
80	36.283	39.080		✓
100	34.256	36.245		✓
120	35.300	36.461		✓
140	34.606	35.024		✓
170	34.167	34.246		✓
200	32.928	32.943		✓
230	32.694	32.700		✓
Fines Collector 1	21.285			
Fines Collector 2	21.285			
Fines Collector 3	21.286	21.288		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI8-C558 Container wt.: 6.159
Sampling Date: 3/12/11 Total wt.: 16.986
Analysis Date: 2/20/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.416	49.450	CLUMPS	
18	46.246	46.253		
20	43.138	43.139		
25	45.558	45.567		
30	43.084	43.092		
35	41.457	41.495		
40	39.538	39.605		
45	38.674	38.869		
50	38.982	39.459		✓
60	37.759	39.010		✓
70	35.906	37.704		✓
80	36.272	38.775		✓
100	34.259	36.436		✓
120	35.298	36.192		✓
140	34.607	35.184		✓
170	34.166	34.263		✓
200	32.926	32.943		✓
230	32.692	32.699		✓
Fines Collector 1	21.287			
Fines Collector 2	21.285			
Fines Collector 3	21.285	21.289		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-062 Container wt.: 6.150
Sampling Date: 3/12/11 Total wt.: 20.501
Analysis Date: 2/20/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.408	49.406		
18	46.246	46.253		
20	43.136	43.140		
25	45.562	45.567		
30	43.081	43.091		
35	41.453	41.481		
40	39.537	39.583		
45	38.675	38.827	MICA	✓
50	38.980	39.366	"	✓
60	37.757	38.889		✓
70	35.921	37.716		✓
80	36.276	39.283		✓
100	34.268	37.424		✓
120	35.304	38.217		✓
140	34.608	35.901		✓
170	34.165	34.416		✓
200	32.925	32.966		✓
230	32.691	32.709		✓
Fines Collector 1	21.285			
Fines Collector 2	21.286			
Fines Collector 3	21.294	21.298		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-066
Sampling Date: 3/12/11
Analysis Date: 2/26/12

Container wt.: 6.150
Total wt.: 19.751
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.405	49.416	CLUMP	
18	46.246	46.279	CLUMPS	
20	43.136	43.145		
25	45.559	45.587		
30	43.082	43.128		
35	41.452	41.579		
40	39.533	39.701		
45	38.670	39.053	MICA	✓
50	38.986	39.665	"	✓
60	37.753	39.047	"	✓
70	35.899	37.514		✓
80	36.275	38.533		✓
100	34.270	36.928		✓
120	34.336	38.088		✓
140	34.607	35.853		✓
170	34.164	34.353		✓
200	31.926	32.961		✓
230	32.692	32.709		✓
Fines Collector 1	21.280			
Fines Collector 2	21.286			
Fines Collector 3	21.286	21.297		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-070 Container wt.: 6.150
Sampling Date: 3/12/11 Total wt.: 18.334
Analysis Date: 2/20/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.406	49.405		
18	46.295	46.254		
20	43.135	43.149		
25	45.562	45.578		
30	43.083	43.113		
35	41.454	41.538		
40	39.534	39.681		✓
45	38.669	39.112		✓
50	38.989	39.998	MICA	✓
60	37.753	40.008	"	✓
70	35.896	38.412		✓
80	36.275	38.394		✓
100	34.266	35.730		✓
120	35.325	36.503		✓
140	34.612	35.286		✓
170	34.165	34.308		✓
200	32.927	32.950		✓
230	32.692	32.703		✓
Fines Collector 1	21.287			
Fines Collector 2	21.286			
Fines Collector 3	21.287	21.294		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CIB-074 Container wt.: 6.451
Sampling Date: 3/12/11 Total wt.: 21.179
Analysis Date: 2/20/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.405	49.429	CLUMP/SHELL	
18	46.244	46.255		
20	43.136	43.142		
25	45.560	45.577		
30	43.081	43.106	MICA	
35	41.454	41.575		✓
40	39.533	39.761		✓
45	38.671	39.350		✓
50	38.982	40.572	MICA	✓
60	37.759	40.863		✓
70	35.896	38.945		✓
80	36.282	38.883		✓
100	34.262	35.967		✓
120	35.311	36.429		✓
140	34.607	35.106		✓
170	34.164	34.290		✓
200	32.925	32.951		✓
230	32.691	32.699		✓
Fines Collector 1	21.290			
Fines Collector 2	21.287			
Fines Collector 3	21.289	21.293		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-078
Sampling Date: 3/12/11
Analysis Date: 2/20/12

Container wt.: 6.151
Total wt.: 21.247
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.414	49.443		
18	46.245	46.295		
20	43.136	43.155		
25	45.563	45.611		
30	43 082	43.155		
35	41.453	41.708	MICA	
40	39.532	39.938	"	✓
45	38.678	39.741	"	✓
50	39.002	41.022	"	✓
60	37.772	41.015		✓
70	35.910	38.636		✓
80	36.281	38.435	MICA	✓
100	34.258	35.680		✓
120	35.309	36.277		✓
140	34.607	35.029		✓
170	34.164	34.255		✓
200	32.925	32.943		✓
230	32.691	32.697		✓
Fines Collector 1	21.287			
Fines Collector 2	21.286			
Fines Collector 3	21.286	21.293		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-082
Sampling Date: 3/12/11
Analysis Date: 2/20/12

Container wt.: 6.152
Total wt.: 19.259
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.409	49.418		
18	46.244	46.330		
20	43.133	43.166		
25	45.560	45.636		
30	43.081	43.155	MICA	
35	41.457	41.689	"	✓
40	39.531	39.877		✓
45	38.685	39.477	MICA	✓
50	38.001	40.423	"	✓
60	37.785	40.258	"	✓
70	35.901	38.266		✓
80	36.276	38.281		✓
100	34.265	35.662		✓
120	35.308	36.410		✓
140	34.606	35.139		✓
170	34.165	34.258		✓
200	32.926	32.940		?
230	32.691	32.695		
Fines Collector 1	21.285			
Fines Collector 2	21.285			
Fines Collector 3	21.286	21.291		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-086 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 20.286
Analysis Date: 2/20/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.409	49.442	CLUMPS/SHELL	
18	46.244	46.359		
20	43.133	43.185		
25	45.569	45.675		
30	43.081	43.185		
35	41.457	41.664	MICA	✓
40	39.535	39.731	MICA	✓
45	38.679	39.062	"	✓
50	38.988	39.673	"	✓
60	37.777	39.230	"	✓
70	35.907	37.820		✓
80	36.277	38.629		✓
100	34.269	36.588		✓
120	35.328	37.860		✓
140	34.608	35.948		✓
170	34.165	34.397		✓
200	32.926	32.957		✓
230	32.691	32.705		✓
Fines Collector 1	21.287			
Fines Collector 2	21.287			
Fines Collector 3	21.287	21.298		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-090
Sampling Date: 3/12/11
Analysis Date: 2/20/12

Container wt.: 6.151
Total wt.: 18.611
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.407	49.460	CLUMP/SHELL	
18	46.246	46.372		
20	43.136	43.195		
25	45.563	45.672		
30	43.083	43.204		
35	41.462	41.708	MICA	✓
40	39.537	39.758	"	✓
45	38.678	39.060	"	✓
50	38.985	39.545	"	✓
60	37.776	38.765	"	✓
70	35.897	37.108	"	✓
80	36.281	37.997		✓
100	34.280	36.517	MICA	✓
120	35.324	37.924		✓
140	34.613	36.040		✓
170	34.163	34.433		✓
200	32.924	32.966		✓
230	32.690	32.706		✓
Fines Collector 1	21.287			
Fines Collector 2	21.288			
Fines Collector 3	21.287	21.300		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: 018-094
Sampling Date: 3/10/11
Analysis Date: 2/28/12

Container wt.: 6.150
Total wt.: 16.638
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.408	49.717		
18	46.293	46.505		
20	43.134	43.259		
25	45.563	45.830		
30	43.081	43.358		
35	41.464	41.984		✓
40	39.538	39.969		✓
45	38.675	39.364		✓
50	38.985	39.914		✓
60	37.770	39.099	MICA	✓
70	35.890	37.087		✓
80	36.280	37.385		✓
100	34.266	35.397		✓
120	35.345	36.500		✓
140	34.613	35.217		✓
170	34.164	34.755		✓
200	32.926	32.937		✓
230	32.690	32.696		✓
Fines Collector 1	21.289			
Fines Collector 2	21.288			
Fines Collector 3	21.287	21.292		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI8-098
Sampling Date: 3/12/11
Analysis Date: 2/21/12

Container wt.: 6.150
Total wt.: 19.158
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.407	49.451		
18	46.243	46.594	CLUMPS	
20	43.140	43.350	"	
25	45.561	45.859	"	
30	43.082	43.285		
35	41.463	41.785		✓
40	39.537	39.796		✓
45	38.672	39.137	MICA	✓
50	38.986	39.764	MICA	✓
60	37.764	39.231	MICA	✓
70	35.883	37.492		✓
80	36.277	38.186	MICA	✓
100	34.269	36.268	?	✓
120	35.334	37.253		✓
140	34.616	35.568		✓
170	34.164	34.322		✓
200	32.927	32.945		✓
230	32.693	32.699		✓
Fines Collector 1	21.291			
Fines Collector 2	21.289			
Fines Collector 3	21.290	21.296		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-102
Sampling Date: 3/12/11
Analysis Date: 2/21/12

Container wt.: 6.150
Total wt.: 21.758
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.410	49.411		
18	46.245	46.272		
20	43.139	43.150		
25	45.565	45.597		
30	43.087	43.129		
35	41.470	41.567		
40	39.538	39.658		✓
45	38.675	38.952		✓
50	38.997	39.518	MICA	✓
60	37.775	39.211	MICA	✓
70	35.890	38.231		✓
80	36.289	39.549		✓
100	34.275	37.412		✓
120	35.345	38.104		✓
140	34.618	35.871		✓
170	34.164	34.354		✓
200	32.925	32.958		✓
230	32.690	32.704		✓
Fines Collector 1	21.290			
Fines Collector 2	21.288			
Fines Collector 3	21.289	21.296		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-106
Sampling Date: 3/12/11
Analysis Date: 2/21/12

Container wt.: 6.149
Total wt.: 18.845
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.411	49.681		
18	46.242	46.302		
20	43.137	43.161		
25	45.559	45.611	MICA	
30	43.090	43.182		
35	41.467	41.726		✓
40	39.536	39.698	MICA	✓
45	38.673	39.378	MICA	✓
50	38.993	39.995	"	✓
60	37.780	39.384	"	✓
70	36.908	37.580		✓
80	36.286	38.081		✓
100	34.285	36.099		✓
120	35.364	37.185		✓
140	34.622	35.562		✓
170	34.165	34.306		✓
200	32.927	32.945		✓
230	32.690	32.699		✓
Fines Collector 1	21.290			
Fines Collector 2	21.288			
Fines Collector 3	21.289	21.292		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-110
Sampling Date: 3/12/11
Analysis Date: 2/21/12

Container wt.: 6.151
Total wt.: 21.953
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.409	49.580		
18	46.244	46.389	CLUMPS	
20	43.136	43 166		
25	45.558	45.639	MICA	
30	43.087	43.173		
35	41.456	41.672	MICA	✓
40	39.539	39.791	"	✓
45	38.675	39.187	"	✓
50	38.994	39.818	"	✓
60	37.786	39.248	"	✓
70	35.897	37.612	"	✓
80	36.285	38 395	"	✓
100	34.275	36.553	"	✓
120	35.345	38.516		✓
140	34.617	36.793		✓
170	34.164	34.591		✓
200	32.925	32.991		✓
230	32.692	32.716		✓
Fines Collector 1	21.290			
Fines Collector 2	21.289			
Fines Collector 3	21.289	21.304		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-114
Sampling Date: 3/12/11
Analysis Date: 2/21/12

Container wt.: 6.149
Total wt.: 19.586
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.410	49.474		
18	46.240	46.300		
20	43.137	43.147		
25	45.559	45.587		
30	43.086	43.129		
35	41.457	41.566	MICA	
40	39.541	39.690	"	
45	38.674	39.006	"	✓
50	38.490	39.716	"	✓
60	37.778	39.436	"	✓
70	35.899	38.113	"	✓
80	36.279	38.902	"	✓
100	34.279	34.500	"	✓
120	35.350	37.341		✓
140	34.626	35.604		✓
170	34.168	34.316		✓
200	32.929	32.948		✓
230	32.691	32.699		✓
Fines Collector 1	21.290			
Fines Collector 2	21.289			
Fines Collector 3	21.288	21.294		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-118
Sampling Date: 3/12/11
Analysis Date: 2/21/12

Container wt.: 6.150
Total wt.: 21.325
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.412	49.476		
18	46.240	46.249		
20	43.135	43.148		
25	45.558	45.588		
30	43.086	43.145		
35	41.458	41.654		
40	39.538	39.794	MICA	✓
45	38.676	39.321	"	✓
50	38.994	40.343	"	✓
60	37.784	40.349	"	✓
70	35.904	38.613	"	✓
80	36.290	38.940	"	✓
100	34.285	36.447		✓
120	35.341	37.059		✓
140	34.618	35.294		✓
170	34.164	34.244		✓
200	32.925	32.937		✓
230	32.690	32.693		✓
Fines Collector 1	21.289			
Fines Collector 2	21.289			
Fines Collector 3	21.289	21.292		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-122
Sampling Date: 3/12/11
Analysis Date: 2/21/12

Container wt.: 6.180
Total wt.: 23.740
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.409	49.409		
18	46.239	46.278		
20	43.134	43.144		
25	45.561	45.589		
30	43.088	43.124	MICA	
35	41.460	41.662	"	
40	39.540	39.831	"	✓
45	38.680	39.485	"	✓
50	38.994	40.177	"	✓
60	37.788	41.173		✓
70	35.908	39.347		✓
80	36.280	39.313	MICA	✓
100	34.282	36.520		✓
120	35.347	36.915		✓
140	34.618	35.176		✓
170	34.164	34.222		✓
200	32.925	32.933		✓
230	32.690	32.693		
Fines Collector 1	21.289			
Fines Collector 2	21.288			
Fines Collector 3	21.290	21.292		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-126
Sampling Date: 3/12/11
Analysis Date: 2/21/12

Container wt.: 6.149
Total wt.: 21.0[redacted]92
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.408	49.436	CLUMP/SHELLS	
18	46.239	46.286		
20	43.133	43.157		
25	45.560	45.622		
30	43.085	43.207	MICA	
35	41.460	41.808	"	✓
40	39.536	39.956		✓
45	38.678	39.560	MICA	✓
50	39.016	40.511	"	✓
60	37.790	40.232	"	✓
70	35.910	38.330		✓
80	36.300	38.588		✓
100	34.279	36.225		✓
120	35.339	36.891		✓
140	34.616	35.271		✓
170	34.163	34.250		✓
200	32.925	32.937		✓
230	32.688	32.696		✓
Fines Collector 1	21.289			
Fines Collector 2	21.289			
Fines Collector 3	21.289	21.293		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-130 Container wt.: 6.150
Sampling Date: 3/12/11 Total wt.: 17.723
Analysis Date: 2/21/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.407	49.407		
18	46.239	46.245		
20	43.134	43.142		
25	45.559	45.588		
30	43.080	43.131		
35	41.466	41.623	MICA	
40	39.536	34.766		✓
45	38.688	39.270	MICA	✓
50	39.009	40.187	"	✓
60	37.801	39.821	"	✓
70	35.910	37.837	"	✓
80	36.286	38.066	"	✓
100	34.278	35.767	"	✓
120	35.344	36.683		✓
140	34.616	35.256		✓
170	34.163	34.259		✓
200	32.926	32.940		
230	32.689	32.695		✓
Fines Collector 1	21.289			
Fines Collector 2	21.289			
Fines Collector 3	21.290	21.296		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-134
Sampling Date: 3/12/11
Analysis Date: 2/21/12

Container wt.: 6.154
Total wt.: 19.922
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.408	49.478	CLUMPS	
18	46.240	46.302	"	
20	43.134	43.156		
25	45.559	45.593		
30	43.086	43.118	MICA	
35	41.462	41.532		
40	39.538	39.623	MICA	
45	38.684	38.902	"	✓
50	39.008	39.555	"	✓
60	37.807	39.174	"	✓
70	35.908	37.785	"	✓
80	36.283	38.708	"	✓
100	34.276	36.777	"	✓
120	35.340	38.019		✓
140	34.622	36.036		✓
170	34.163	34.392		✓
200	32.921	32.961		✓
230	32.688	32.708		✓
Fines Collector 1	21.290			
Fines Collector 2	21.289			
Fines Collector 3	21.290	21.304		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-138
Sampling Date: 3/12/11
Analysis Date: 2/21/12

Container wt.: 6.152
Total wt.: 19.607
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.407	49.446		
18	46.241	46.288		
20	43.132	43.144		
25	45.559	45.604		
30	43.086	43.137		
35	41.463	41.616	MICA	✓
40	39.536	39.759	"	✓
45	38.681	39.186	"	✓
50	38.994	39.838	"	✓
60	37.794	39.386	"	✓
70	35.914	37.946	"	✓
80	36.286	38.748	"	✓
100	34.278	36.507	"	✓
120	35.351	37.337		✓
140	34.620	35.566		✓
170	34.166	34.307		✓
200	32.927	32.951		✓
230	32.690	32.702		✓
Fines Collector 1	21.292			
Fines Collector 2	21.291			
Fines Collector 3	21.290	21.301		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-142
Sampling Date: 3/12/11
Analysis Date: 2/21/12

Container wt.: 6.151
Total wt.: 17.289
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.410	49.408		
18	46.241	46.266		
20	43.131	43.148		
25	45.558	45.620		
30	43.088	43.181	MICA	
35	41.462	41.775		✓
40	39.538	39.944	MICA	✓
45	38.679	39.552	"	✓
50	39.001	40.269	"	✓
60	37.816	39.572	"	✓
70	35.918	37.599	"	✓
80	36.290	37.968	"	✓
100	34.291	35.695		✓
120	35.372	36.416		✓
140	34.625	35.025		✓
170	34.163	34.215		✓
200	32.926	32.934		✓
230	32.689	32.694		
Fines Collector 1	21.293			
Fines Collector 2	21.291			
Fines Collector 3	21.290	21.295		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-146
Sampling Date: 3/12/11
Analysis Date: 2/28/12

Container wt.: 6.150
Total wt.: 18.611
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.409	49.412		
18	46.240	46.256		
20	43.133	43.146		
25	45.560	45.605		
30	43.091	43.184		
35	41.470	41.800		✓
40	39.546	40.030	MICA	✓
45	38.686	39.716		✓
50	39.003	40.642	MICA	✓
60	37.823	40.230	"	✓
70	35.923	38.019	"	✓
80	36.297	38.149	"	✓
100	34.292	35.598	"	✓
120	35.351	36.130	"	✓
140	34.630	34.893		✓
170	34.169	34.198		✓
200	32.931	32.935		✓
230	32.695	32.698		
Fines Collector 1	21.294			
Fines Collector 2	21.291			
Fines Collector 3	21.292	21.309		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-150
Sampling Date: 3/12/11
Analysis Date: 2/22/12

Container wt.: 6.150
Total wt.: 16.988
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.411	49.425		
18	46.240	46.267		
20	43.137	43.141		
25	45.559	45.585		
30	43.086	43.152		
35	41.470	41.730		✓
40	39.545	39.905		✓
45	38.686	39.542	MICA	✓
50	39.011	40.361	"	✓
60	37.819	39.821	"	✓
70	35.929	37.702	"	✓
80	36.292	37.898	"	✓
100	34.280	35.499	"	✓
120	35.347	36.173	"	✓
140	34.624	34.933		✓
170	34.168	34.207		✓
200	32.930	32.936		
230	32.692	32.697		
Fines Collector 1	21.292			
Fines Collector 2	21.292			
Fines Collector 3	21.292	21.295		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-154
Sampling Date: 3/12/11
Analysis Date: 2/22/12

Container wt.: 6.150
Total wt.: 20.470
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.411	49.432	CLUMPS	
18	46.241	46.299		
20	43.134	43.151		
25	45.561	45.600		
30	43.089	43.176		✓
35	41.467	41.680		✓
40	39.548	39.828	MICA	✓
45	38.693	39.268	MICA	✓
50	38.011	39.903	"	✓
60	37.818	39.315	"	✓
70	35.940	37.820	"	✓
80	36.297	38.899	"	✓
100	34.286	36.857		✓
120	35.337	37.694		✓
140	34.625	35.598		✓
170	34.167	34.312		✓
200	32.930	32.953		✓
230	32.694	32.703		✓
Fines Collector 1	21.293			
Fines Collector 2	21.292			
Fines Collector 3	21.291	21.301		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-158
Sampling Date: 3/12/11
Analysis Date: 2/22/12

Container wt.: 6.150
Total wt.: 21.335
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.409	49.409		
18	46.241	46.251		
20	43.131	43.140		
25	45.561	45.581		
30	43.096	43.132	MICA	✓
35	41.467	41.588	"	✓
40	39.546	39.717	"	✓
45	38.688	39.046	"	✓
50	39.005	39.604	"	✓
60	37.820	39.051	"	✓
70	35.949	37.714	"	✓
80	34.294	39.166	"	✓
100	34.298	37.594	"	✓
120	35.358	38.459		✓
140	34.627	35.927		✓
170	34.167	34.348		✓
200	32.929	32.961		✓
230	32.694	32.707		✓
Fines Collector 1	21.294			
Fines Collector 2	21.293			
Fines Collector 3	21.298	21.303		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-162
Sampling Date: 3/12/11
Analysis Date: 2/22/12

Container wt.: 6.149
Total wt.: 21.099
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	119.408	49.434		
18	46.240	46.259		
20	43.133	43.142		
25	45.559	45.601		
30	43.097	43.143		
35	41.464	41.637	MICA	✓
40	39.543	39.764	"	✓
45	38.685	39.080	"	✓
50	39.064	39.635	"	✓
60	37.816	39.228	"	✓
70	35.929	38.004	"	✓
80	36.296	39.010	"	✓
100	34.310	37.206	"	✓
120	35.313	38.206		✓
140	34.625	35.823		✓
170	34.167	34.312		✓
200	32.931	32.950		✓
230	34.693	32.705		✓
Fines Collector 1	21.295			
Fines Collector 2	21.291			
Fines Collector 3	21.291	21.306		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-166
Sampling Date: 3/12/11
Analysis Date: 2/22/12

Container wt.: 6.150
Total wt.: 22.341
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.411	49.426		
18	46.240	46.284		
20	43.133	43.158		
25	45.562	45.691	MICA	
30	43.097	43.426	"	✓
35	41.465	42.717	"	✓
40	39.543	40.580	"	✓
45	38.680	39.850	"	✓
50	39.006	39.950	"	✓
60	37.818	38.993	"	✓
70	35.999	37.269	"	✓
80	36.299	38.121	"	✓
100	34.310	36.925	"	✓
120	35.388	38.230		✓
140	34.624	35.821		✓
170	34.168	34.319		✓
200	32.931	32.952		✓
230	32.694	32.704		✓
Fines Collector 1	21.294			
Fines Collector 2	21.294			
Fines Collector 3	21.294	21.300		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-170 Container wt.: 6.154
Sampling Date: 3/12/11 Total wt.: 20.321
Analysis Date: 2/22/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.410	49.441	CLUMP/SHELL	
18	46.242	46.282		
20	43.134	43.145		
25	45.561	45.595		
30	43.094	43.128		
35	41.476	41.577	MICA	
40	39.559	39.687	"	✓
45	38.690	38.963	"	✓
50	39.016	39.419	"	✓
60	37.821	38.478	"	✓
70	35.935	36.781	"	✓
80	36.298	38.048	"	✓
100	34.301	37.683		✓
120	35.381	39.589		✓
140	34.624	36.476		✓
170	34.168	34.416		✓
200	32.930	32.972		✓
230	32.693	32.714		✓
Fines Collector 1	21.294			
Fines Collector 2	21.294			
Fines Collector 3	21.294	21.314		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-174 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 22.352
Analysis Date: 2/22/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.410	49.500	CLUMP/SHELLS	
18	46.242	46.356	CLUMPS	
20	43 133	43.172		
25	45.562	45.647	MICA	
30	43 090	43 208	"	
35	41.470	41.798	"	
40	39.550	39.927	"	✓
45	38.682	39.358	"	✓
50	39.001	39.736	"	✓
60	37.807	38.766	"	✓
70	35.921	36.967	"	✓
80	36.301	37.869	"	✓
100	34.305	36.899		✓
120	35.404	39.562		✓
140	37.626	37.147		✓
170	34.168	34.728		✓
200	32.931	33.025		✓
230	32.695	32.733		✓
Fines Collector 1	21.298			
Fines Collector 2	21.295			
Fines Collector 3	21.294	21.324		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-178 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 15.981
Analysis Date: 2/22/12 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.471	49.432		
18	46.239	46.315		
20	43.133	43.182		
25	45.561	45.642	MICA	
30	43.080	43.174	"	
35	41.466	41.630	"	
40	39.549	39.707	"	
45	38.685	38.926	"	✓
50	39.005	39.328	"	✓
60	37.805	38.348	"	✓
70	35.918	36.627	"	✓
80	36.302	37.425	"	✓
100	34.302	36.084		✓
120	35.392	37.996		✓
140	34.634	36.151		✓
170	34.173	34.410		✓
200	32.933	32.969		✓
230	32.695	32.711		✓
Fines Collector 1	21.299			
Fines Collector 2	21.295			
Fines Collector 3	21.294	21.314		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: CI8-182 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 18.868
Analysis Date: 2/22/11 Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.419	49.430		
18	46.240	46.280		
20	43.131	43.156		
25	45.564	45.599	MICA	
30	43.088	43.128	"	
35	41.467	41.557		
40	39.548	39.656	MICA	✓
45	38.683	38.872	"	✓
50	39.002	39.310	"	✓
60	37.897	38.506	"	✓
70	35.910	37.072	"	✓
80	36.294	38.184	"	✓
100	34.306	36.920	"	✓
120	35.367	38.052		✓
140	34.633	36.486		✓
170	34.169	34.394		✓
200	32.930	32.970		✓
230	32.693	32.713		✓
Fines Collector 1	21.298			
Fines Collector 2	21.295			
Fines Collector 3	21.295	21.318		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-186
Sampling Date: 3/12/11
Analysis Date: 2/22/12

Container wt.: 6.150
Total wt.: 20,518
Sample wt.: _____

Observations: _____

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.418	49.526		
18	46.241	46.301		
20	43.130	43.178		
25	45.559	45.640		
30	43.086	43.184	A1 / C,A	
35	41.467	41.663	"	✓
40	39.546	39.725	"	✓
45	38.680	38.939	"	✓
50	38.998	39.386	"	✓
60	37.800	38.766	"	✓
70	35.918	37.630	"	✓
80	36.292	38.838	"	✓
100	34.306	37.187		✓
120	35.385	38.382		✓
140	34.624	36.101		✓
170	34.160	34.395		✓
200	32.931	32.979		✓
230	32.693	32.721		✓
Fines Collector 1	21.297			
Fines Collector 2	21.296			
Fines Collector 3	21.296	21.327		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-19C
Sampling Date: 3/12/11
Analysis Date: 2/22/12

Container wt.: 6.152
Total wt.: 20.092
Sample wt.:

Observations: LOTS OF LARGER SHELL FRAGS
2.5 cm long "twig" (SLENDER)

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.414	49.658		
18	46.241	46.688		
20	43.135	43.317		
25	45.562	45.947		
30	43.088	43.524		
35	41.465	42.363		
40	39.545	40.269	MICA	✓
45	38.679	39.682	"	✓
50	38.990	40.205	"	✓
60	37.804	39.724	"	✓
70	35.913	38.163	"	✓
80	36.292	38.271	"	✓
100	34.300	35.441	"	✓
120	35.364	36.030		✓
140	34.627	34.912		✓
170	34.168	34.230		✓
200	32.931	32.946		✓
230	32.693	32.700		
Fines Collector 1	21.297			
Fines Collector 2	21.296			
Fines Collector 3	21.297	21.309		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C 18-194
Sampling Date: 3/12/11
Analysis Date: 2/28/12

Container wt.: 6.150
Total wt.: 21.367
Sample wt.: _____

Observations: LOTS OF LARGE SHELL FRAGS.

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.414	51.501		
18	46.242	47.057		
20	43.135	43.400		
25	45.565	46.273		
30	43.090	43.958		
35	41.467	43.464		?
40	39.547	40.941		✓
45	38.683	40.809		✓
50	38.995	40.686		✓
60	37.809	39.136		✓
70	35.918	36.691	MICA	✓
80	36.296	36.782	"	✓
100	34.288	34.607		✓
120	35.346	35.541		✓
140	34.626	34.794		✓
170	34.166	34.187		✓
200	32.930	32.935		
230	32.694	32.696		
Fines Collector 1	21.298			
Fines Collector 2	21.298			
Fines Collector 3	21.299	21.305		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-198
Sampling Date: 3/12/11
Analysis Date: 2/28/12

Container wt.: 6.151
Total wt.: 22.795
Sample wt.: _____

Observations: LOTS OF LARGE SHELL FRAGS.

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.422	50.460		
18	46.242	47.125		
20	43.134	43.428		
25	45.566	46.288	1 MICA FLAKE	
30	43.090	43.928		
35	41.476	43.158		
40	39.558	40.895	MICA	✓
45	38.685	40.832		✓
50	38.491	41.245	MICA	✓
60	37.806	40.031		✓
70	35.908	37.100		✓
80	36.283	37.074		✓
100	34.282	34.801		✓
120	35.338	35.708		✓
140	34.623	34.821		✓
170	34.164	34.218		✓
200	32.929	32.948		.
230	32.692	32.708		
Fines Collector 1	21.298			
Fines Collector 2	21.299			
Fines Collector 3	21.299	21.322		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-202 Container wt.: 6.151
Sampling Date: 3/12/11 Total wt.: 21.584
Analysis Date: 2/28/12 Sample wt.: _____

Observations: LOTS OF LARGE SHELL FRAGS.

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.408	50.674		
18	46.244	47.003		
20	43.136	43.447		
25	45.569	46.310		
30	43.092	44.001		
35	41.477	43.268		✓
40	39.556	40.929		✓
45	38.691	40.948		✓
50	38.997	41.050		✓
60	37.809	39.616		✓
70	35.907	36.799		✓
80	36.280	36.752		✓
100	34.277	34.575		✓
120	35.338	35.580		✓
140	34.620	34.761		✓
170	34.166	34.198		✓
200	32.929	32.938		
230	32.692	32.698		
Fines Collector 1	21.299			
Fines Collector 2	21.297			
Fines Collector 3	21.299	21.301		
Sum total				

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: C18-206 Container wt.: 6.153
Sampling Date: 3/12/11 Total wt.: 18.331
Analysis Date: 2/28/12 Sample wt.: _____

Observations: LOTS OF LARGE SHELL FRAGS

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
10	49.413	50.593		
18	46.242	47.073		
20	43.135	43.454		
25	45.570	46.171		
30	43.694	43.672		
35	41.483	42.485		✓
40	39.559	40.438		✓
45	38.694	40.079		✓
50	38.998	40.339		✓
60	37.797	39.095		✓
70	35.901	36.698		✓
80	36.276	36.821		✓
100	34.271	34.704		✓
120	35.330	35.755		✓
140	34.618	34.907		✓
170	34.163	34.264		✓
200	32.927	32.966		✓
230	32.690	32.725		
Fines Collector 1	21.299			
Fines Collector 2	21.298			
Fines Collector 3	21.299	21.349		
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C18-210
Sampling Date: 3/12/11
Analysis Date: 8/17/12

Container wt.: 6.157
Total wt.: 21.221
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.580	51.282			
18	1	0.00	46.416	47.684			
20	0.85	0.25	43.310	43.704			
25	0.71	0.50	45.140	46.380			
30	0.6	0.75	43.230	43.835			
35	0.5	1.00	41.609	42.469			
40	0.43	1.25	39.691	40.361			
45	0.36	1.50	39.038	39.860			
50	0.3	1.75	39.130	39.919			
60	0.25	2.00	38.292	39.042			
70	0.21	2.25	37.674	38.233			
80	0.18	2.50	36.463	37.053			
100	0.15	2.75	34.389	35.291			
120	0.13	3.00	35.441	36.722			
140	0.11	3.25	34.784	35.894			
170	0.09	3.50	34.337	35.072			
200	0.08	3.75	33.108	33.516			
230	0.06	4.00	32.875	33.281			
270	0.05	4.25	32.944	33.148			
325	0.05	4.50	32.862	33.023			
400	0.04	4.75	33.037	33.141			
450	0.03	5.00	32.676	32.715			
Fines	<0.03	> 5	122.823	122.834			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C18-214
Sampling Date: 3/12/11
Analysis Date: 8/17/12

Container wt.: 6.156
Total wt.: 16.039
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.594	49.750			
18	1	0.00	46.448	46.057			
20	0.85	0.25	43.329	43.542			
25	0.71	0.50	45.759	46.071			
30	0.6	0.75	43.276	43.555			
35	0.5	1.00	41.637	41.976			
40	0.43	1.25	39.723	39.982			
45	0.36	1.50	39.052	39.350			
50	0.3	1.75	39.153	39.404			
60	0.25	2.00	38.328	38.602			
70	0.21	2.25	37.703	37.931			
80	0.18	2.50	36.480	36.779			
100	0.15	2.75	34.402	34.992			
120	0.13	3.00	35.453	36.698			
140	0.11	3.25	34.803	36.198			
170	0.09	3.50	34.370	35.176			
200	0.08	3.75	33.120	33.670			
230	0.06	4.00	32.880	33.453			
270	0.05	4.25	32.943	33.212			
325	0.05	4.50	32.860	33.138			
400	0.04	4.75	33.035	33.294			
450	0.03	5.00	32.673	32.813			
Fines	<0.03	> 5	122.822	122.896			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C18-218
Sampling Date: 3/12/11
Analysis Date: 8/17/12

Container wt.: 6.154
Total wt.: 18.220
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.598	49.795			
18	1	0.00	46.443	47.280			
20	0.85	0.25	43.329	43.591			
25	0.71	0.50	45.762	46.114			
30	0.6	0.75	43.278	43.582			
35	0.5	1.00	41.638	42.015			
40	0.43	1.25	39.723	39.988			
45	0.36	1.50	39.048	39.353			
50	0.3	1.75	39.151	39.404			
60	0.25	2.00	38.321	38.579			
70	0.21	2.25	37.698	37.943			
80	0.18	2.50	36.479	36.803			
100	0.15	2.75	34.407	35.027			
120	0.13	3.00	35.456	37.032			
140	0.11	3.25	34.804	36.694			
170	0.09	3.50	34.367	35.559			
200	0.08	3.75	33.124	33.832			
230	0.06	4.00	32.880	33.610			
270	0.05	4.25	32.942	33.283			
325	0.05	4.50	32.866	33.176			
400	0.04	4.75	33.054	33.306			
450	0.03	5.00	32.674	32.926			
Fines	<0.03	> 5	(22.822	123.044			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C18-222
Sampling Date: 3/12/11
Analysis Date: 8/17/12

Container wt.: 6.156
Total wt.: 20.177
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.600	49.878			
18	1	0.00	46.441	47.791			
20	0.85	0.25	43.328	43.717			
25	0.71	0.50	45.765	46.247			
30	0.6	0.75	43.276	43.631			
35	0.5	1.00	41.694	42.041			
40	0.43	1.25	39.722	39.990			
45	0.36	1.50	39.051	39.349			
50	0.3	1.75	39.155	39.415			
60	0.25	2.00	38.317	38.616			
70	0.21	2.25	37.699	37.980			
80	0.18	2.50	36.475	36.858			
100	0.15	2.75	34.402	35.217			
120	0.13	3.00	35.460	37.277			
140	0.11	3.25	34.804	36.682			
170	0.09	3.50	34.364	35.672			
200	0.08	3.75	33.123	33.898			
230	0.06	4.00	32.880	33.792			
270	0.05	4.25	32.945	33.318			
325	0.05	4.50	32.867	33.202			
400	0.04	4.75	33.051	33.363			
450	0.03	5.00	32.677	32.859			
Fines	<0.03	> 5	122.819	123.058			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C18-226
Sampling Date: 3/12/11
Analysis Date: 8/17/12

Container wt.: 6.158
Total wt.: 19.526
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.598	49.856			
18	1	0.00	46.460	47.072			
20	0.85	0.25	43.338	43.620			
25	0.71	0.50	45.768	46.164			
30	0.6	0.75	43.277	43.691			
35	0.5	1.00	41.692	42.083			
40	0.43	1.25	39.721	40.059			
45	0.36	1.50	39.051	39.424			
50	0.3	1.75	39.155	39.468			
60	0.25	2.00	38.321	38.640			
70	0.21	2.25	37.699	38.003			
80	0.18	2.50	36.473	36.833			
100	0.15	2.75	34.401	35.110			
120	0.13	3.00	35.468	36.995			
140	0.11	3.25	34.810	36.455			
170	0.09	3.50	34.358	35.469			
200	0.08	3.75	33.120	34.003			
230	0.06	4.00	32.881	33.808			
270	0.05	4.25	32.942	33.435			
325	0.05	4.50	32.865	33.390			
400	0.04	4.75	33.040	33.581			
450	0.03	5.00	32.674	33.027			
Fines	<0.03	> 5	122.821	123.159			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: C18-230
Sampling Date: 3/12/11
Analysis Date: 8/12/12

Container wt.: 6.157
Total wt.: 21.114
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.612	49.735			
18	1	0.00	46.464	47.331			
20	0.85	0.25	43.343	43.670			
25	0.71	0.50	45.768	46.208			
30	0.6	0.75	43.293	43.661			
35	0.5	1.00	41.646	42.135			
40	0.43	1.25	39.718	40.042			
45	0.36	1.50	39.051	39.424			
50	0.3	1.75	39.153	39.478			
60	0.25	2.00	38.318	38.680			
70	0.21	2.25	37.698	38.054			
80	0.18	2.50	36.472	36.911			
100	0.15	2.75	34.397	35.248			
120	0.13	3.00	35.460	37.544			
140	0.11	3.25	34.793	36.926			
170	0.09	3.50	34.355	35.797			
200	0.08	3.75	33.122	34.045			
230	0.06	4.00	32.884	33.988			
270	0.05	4.25	32.942	33.276			
325	0.05	4.50	32.863	33.212			
400	0.04	4.75	33.036	33.381			
450	0.03	5.00	32.678	32.867			
Fines	<0.03	> 5	122.821	123.087			

Push Core PC1

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PC1-COC
Sampling Date: 6/17/10
Analysis Date: 12/17/12

Container wt.: 6.156
Total wt.: 17.627
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.483	49.484			
12	1.7	-0.8	48.411	48.412			
14	1.4	-0.5	46.732	46.743			
16	1.18	-0.2	46.159	46.164			
18	1	0	46.312	46.323			
20	0.85	0.2	43.211	43.226			
25	0.71	0.5	45.682	45.729			
30	0.6	0.7	43.174	43.236			
35	0.5	1	41.530	41.818			
40	0.43	1.2	39.634	40.070			
45	0.36	1.5	39.332	40.347			
50	0.3	1.7	39.082	40.964			
60	0.25	2	38.451	41.125			
70	0.21	2.2	37.648	39.905			
80	0.18	2.5	36.453	37.938			
100	0.15	2.7	34.357	34.973			
120	0.13	3	35.436	35.765			✓
140	0.11	3.2	34.772	34.876			✓
170	0.09	3.5	34.305	34.330			✓
200	0.08	3.7	34.746	34.754			
230	0.06	4	32.763	32.767			
Fines	<0.06	> 4	122.812	122.822			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-004
Sampling Date: 6/17/10
Analysis Date: 12/17/12

Container wt.: 6.155
Total wt.: 19.080
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.483	49.483			
12	1.7	-0.8	48.412	48.410			
14	1.4	-0.5	46.733	46.738			
16	1.18	-0.2	46.159	46.165			
18	1	0	46.315	46.320			
20	0.85	0.2	43.210	43.226			
25	0.71	0.5	45.680	45.731			
30	0.6	0.7	43.171	43.272			
35	0.5	1	41.528	41.967			
40	0.43	1.2	39.634	40.256			
45	0.36	1.5	39.231	40.696			
50	0.3	1.7	39.083	41.355			
60	0.25	2	38.391	41.499			
70	0.21	2.2	37.645	39.895			
80	0.18	2.5	36.471	37.870			✓
100	0.15	2.7	34.353	34.988			✓
120	0.13	3	35.433	35.720			✓
140	0.11	3.2	34.770	34.901			✓
170	0.09	3.5	34.303	34.399			✓
200	0.08	3.7	34.746	34.761			
230	0.06	4	32.765	32.769			
Fines	<0.06	> 4	122.814	122.818			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-008
Sampling Date: 6/17/10
Analysis Date: 12/17/12

Container wt.: 6.156
Total wt.: 18.459
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.4181	49.498			
12	1.7	-0.8	48.410	48.414			
14	1.4	-0.5	46.732	46.738			
16	1.18	-0.2	46.156	46.173			
18	1	0	46.308	46.330			
20	0.85	0.2	43.209	43.223			
25	0.71	0.5	45.676	45.741			
30	0.6	0.7	43.171	43.253			
35	0.5	1	41.524	41.911			
40	0.43	1.2	39.635	40.168			
45	0.36	1.5	39.231	40.510			
50	0.3	1.7	39.082	40.941			✓
60	0.25	2	38.395	40.955			✓
70	0.21	2.2	37.650	39.991			✓
80	0.18	2.5	36.461	38.165			✓
100	0.15	2.7	34.357	35.153			✓
120	0.13	3	35.428	35.816			✓✓
140	0.11	3.2	34.765	34.929			✓✓
170	0.09	3.5	34.301	34.349			✓✓
200	0.08	3.7	34.744	34.760			✓✓
230	0.06	4	32.763	32.769			
Fines	<0.06	> 4	122.812	122.825			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-612
Sampling Date: 6/17/10
Analysis Date: 12/17/12

Container wt.: 6.156
Total wt.: 22.751
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.480	49.479			
12	1.7	-0.8	48.409	48.412			
14	1.4	-0.5	46.732	46.762			
16	1.18	-0.2	46.155	46.215			
18	1	0	46.307	46.360			
20	0.85	0.2	43.207	43.276			
25	0.71	0.5	45.676	45.834			
30	0.6	0.7	43.171	43.342			
35	0.5	1	41.526	42.046			
40	0.43	1.2	39.658	40.292			
45	0.36	1.5	39.230	40.977			
50	0.3	1.7	39.093	42.210			
60	0.25	2	38.409	42.419			
70	0.21	2.2	37.669	40.826			
80	0.18	2.5	36.481	38.083			
100	0.15	2.7	34.361	35.004			✓
120	0.13	3	35.425	35.737			✓
140	0.11	3.2	34.762	34.901			✓
170	0.09	3.5	34.299	34.336			✓
200	0.08	3.7	34.743	34.757			
230	0.06	4	32.763	32.770			
Fines	<0.06	> 4	122.817	122.824			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-016
Sampling Date: 6/17/10
Analysis Date: 12/17/17

Container wt.: 6.156
Total wt.: 22.188
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	49.478	49.725			
12	1.7	-0.8	48.407	48.438			
14	1.4	-0.5	46.731	46.777			
16	1.18	-0.2	46.155	46.208			
18	1	0	46.308	46.371			
20	0.85	0.2	43.207	43.294			
25	0.71	0.5	45.674	45.813			
30	0.6	0.7	43.173	43.319			
35	0.5	1	41.527	41.937			
40	0.43	1.2	39.638	40.135			
45	0.36	1.5	39.235	40.602			
50	0.3	1.7	39.099	41.608			
60	0.25	2	38.406	42.598			
70	0.21	2.2	37.674	40.992			
80	0.18	2.5	36.456	38.056			
100	0.15	2.7	34.357	35.029			"
120	0.13	3	35.430	35.773			"
140	0.11	3.2	34.762	34.916			"
170	0.09	3.5	34.298	34.339			"
200	0.08	3.7	34.743	34.755			"
230	0.06	4	32.764	32.769			
Fines	<0.06	> 4	122.813	122.828			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PC1-02C
Sampling Date: 6/17/10
Analysis Date: 12/17/12

Container wt.: 6.156
Total wt.: 18.006
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1	44.478	49.543			
12	1.7	-0.8	48.408	48.448			
14	1.4	-0.5	46.731	46.787			
16	1.18	-0.2	46.157	46.209			
18	1	0	46.316	46.348			
20	0.85	0.2	43.205	43.264			
25	0.71	0.5	45.676	45.826			
30	0.6	0.7	43164	43.328			
35	0.5	1	41.524	41.539			
40	0.43	1.2	39.636	39.958			
45	0.36	1.5	39.235	39.965			
50	0.3	1.7	39.099	40.545			✓
60	0.25	2	38.434	41.115			✓
70	0.21	2.2	37.690	40.375			✓
80	0.18	2.5	36.482	38.120			
100	0.15	2.7	34.354	35.015			
120	0.13	3	35.422	35.787			✓✓
140	0.11	3.2	34.755	34.966			✓✓
170	0.09	3.5	34.294	34.364			✓✓
200	0.08	3.7	34.740	34.765			
230	0.06	4	32.760	32.773			
Fines	<0.06	> 4	122.816	122.826			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-C22
Sampling Date: 6/17/10
Analysis Date: 12/17/12

Container wt.: 6.155
Total wt.: 18.576
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.478	49.787			
12	1.7	-0.75	48.406	45.493			
14	1.4	-0.50	46.732	46.866			
16	1.18	-0.25	46.159	46.306			
18	1	0.00	46.307	46.521			
20	0.85	0.25	43.704	43.471			
25	0.71	0.50	45.674	46.284			
30	0.6	0.75	43.169	43.783			
35	0.5	1.00	41.524	42.715			
40	0.43	1.25	39.632	40.535			
45	0.36	1.50	39.234	40.658			
50	0.3	1.75	39.097	40.401		-	✓
60	0.25	2.00	38.517	39.990		-	
70	0.21	2.25	37.673	39.117		✓	✓
80	0.18	2.50	36.467	37.541			✓
100	0.15	2.75	34.352	34.909			
120	0.13	3.00	35.425	35.716			✓
140	0.11	3.25	34.759	34.928			✓
170	0.09	3.50	34.295	34.347			
200	0.08	3.75	34.739	34.767			
230	0.06	4.00	32.760	32.778			
Fines	<0.06	> 4	122.814	122.835			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-C24
Sampling Date: 6/17/10
Analysis Date: 12/17/12

Container wt.: 6.156
Total wt.: 22.176
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.477	49.565			
12	1.7	-0.75	48.407	48.486			
14	1.4	-0.50	46.737	46.799			
16	1.18	-0.25	46.165	46.226			
18	1	0.00	46.309	46.380			
20	0.85	0.25	43.208	43.303			
25	0.71	0.50	45.683	45.833			
30	0.6	0.75	43.169	43.293			
35	0.5	1.00	41.527	41.815			
40	0.43	1.25	39.638	39.949			
45	0.36	1.50	39.237	40.007			
50	0.3	1.75	39.095	40.558			
60	0.25	2.00	38.453	41.421			
70	0.21	2.25	37.670	41.406			
80	0.18	2.50	36.455	39.164			
100	0.15	2.75	34.350	35.629			✓
120	0.13	3.00	35.426	36.174			✓
140	0.11	3.25	34.758	35.178			✓
170	0.09	3.50	34.291	34.489			✓
200	0.08	3.75	34.741	34.858			
230	0.06	4.00	32.760	32.848			
Fines	<0.06	> 4	122.817	122.875			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-028
Sampling Date: 6/17/10
Analysis Date: 12/17/12

Container wt.: 6.155
Total wt.: 23.554
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.477	49.593			
12	1.7	-0.75	48.466	48.456			
14	1.4	-0.50	46.736	46.809			
16	1.18	-0.25	46.164	46.219			
18	1	0.00	46.305	46.364			
20	0.85	0.25	43.204	43.284			
25	0.71	0.50	45.675	45.761			
30	0.6	0.75	43.165	43.251			
35	0.5	1.00	41.521	41.683			
40	0.43	1.25	39.634	39.780			
45	0.36	1.50	34.232	34.568			
50	0.3	1.75	34.098	39.827			
60	0.25	2.00	38.379	40.709			✓
70	0.21	2.25	37.662	42.298			
80	0.18	2.50	36.466	40.556			✓
100	0.15	2.75	34.357	36.488			✓
120	0.13	3.00	35.427	36.612			✓
140	0.11	3.25	34.756	35.374			✓
170	0.09	3.50	34.291	34.492			✓
200	0.08	3.75	34.739	34.823			✓
230	0.06	4.00	32.760	32.810			
Fines	<0.06	> 4	122.816	122.355			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-032
Sampling Date: 6/17/10
Analysis Date: 12/17/12

Container wt.: 6.157
Total wt.: 22.564
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.475	49.527			
12	1.7	-0.75	48.465	48.443			
14	1.4	-0.50	46.729	46.763			
16	1.18	-0.25	46.164	46.194			
18	1	0.00	46.304	46.349			
20	0.85	0.25	43.202	43.243			
25	0.71	0.50	45.665	45.736			
30	0.6	0.75	43.165	43.221			
35	0.5	1.00	41.524	41.634			
40	0.43	1.25	39.636	39.734			
45	0.36	1.50	39.232	39.439			
50	0.3	1.75	39.163	39.555			
60	0.25	2.00	38.440	39.871			
70	0.21	2.25	37.678	40.890			
80	0.18	2.50	36.459	40.830			✓
100	0.15	2.75	34.365	37.405			✓
120	0.13	3.00	35.433	37.317			✓
140	0.11	3.25	34.754	35.481			✓
170	0.09	3.50	34.241	34.516			✓
200	0.08	3.75	34.738	34.822			✓
230	0.06	4.00	32.761	32.804			
Fines	<0.06	> 4	122.812	122.844			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PC1-036
Sampling Date: 6/17/10
Analysis Date: 12/17/12

Container wt.: 6.156
Total wt.: 19.631
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.473	49.540			
12	1.7	-0.75	48.405	48.417			
14	1.4	-0.50	46.728	46.783			
16	1.18	-0.25	46.184	46.205			
18	1	0.00	46.305	46.345			
20	0.85	0.25	43.200	43.295			
25	0.71	0.50	45.664	45.753			
30	0.6	0.75	43.165	43.236			
35	0.5	1.00	41.518	41.638			
40	0.43	1.25	39.633	39.754			
45	0.36	1.50	39.225	39.495			
50	0.3	1.75	39.096	39.674			
60	0.25	2.00	38.419	39.866			
70	0.21	2.25	37.702	40.697			✓
80	0.18	2.50	36.461	39.809			✓
100	0.15	2.75	34.377	36.511			✓
120	0.13	3.00	35.431	36.559			
140	0.11	3.25	34.754	35.774			
170	0.09	3.50	34.289	34.363			
200	0.08	3.75	34.734	34.758			
230	0.06	4.00	32.755	32.769			
Fines	<0.06	> 4	122.814	122.825			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PC1-C40
Sampling Date: 6/17/10
Analysis Date: 12/17/12

Container wt.: 6.156
Total wt.: 23.056
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.486	49.482			
12	1.7	-0.75	48.405	48.408			
14	1.4	-0.50	46.732	46.757			
16	1.18	-0.25	46.162	46.185			
18	1	0.00	46.365	46.350			
20	0.85	0.25	43.203	43.234			
25	0.71	0.50	45.668	45.729			
30	0.6	0.75	43.164	43.234			
35	0.5	1.00	41.518	41.676			
40	0.43	1.25	39.634	39.814			
45	0.36	1.50	39.224	39.717			
50	0.3	1.75	39.694	40.162			
60	0.25	2.00	38.408	40.758			
70	0.21	2.25	37.696	41.079			
80	0.18	2.50	34.466	40.252			✓
100	0.15	2.75	34.361	36.863			✓
120	0.13	3.00	35.429	37.086			✓
140	0.11	3.25	34.750	35.527			✓
170	0.09	3.50	34.287	34.435			✓
200	0.08	3.75	34.736	34.783			✓
230	0.06	4.00	32.756	32.785			
Fines	<0.06	> 4	122.814	122.831			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PC1 - 044
Sampling Date: 6/17/10
Analysis Date: 12/20/12

Container wt.: 6.154
Total wt.: 21.885
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.470	49.723			
12	1.7	-0.75	48.400	48.450			
14	1.4	-0.50	46.729	46.823			
16	1.18	-0.25	46.156	46.231			
18	1	0.00	46.297	46.361			
20	0.85	0.25	43.192	43.253			
25	0.71	0.50	45.660	45.759			
30	0.6	0.75	43.156	43.215			
35	0.5	1.00	41.511	41.638			
40	0.43	1.25	39.626	39.758			
45	0.36	1.50	39.217	39.518			
50	0.3	1.75	39.080	39.691			
60	0.25	2.00	38.423	37.614			
70	0.21	2.25	37.650	39.885			✓
80	0.18	2.50	36.461	39.660			✓
100	0.15	2.75	34.360	36.905			✓
120	0.13	3.00	35.441	38.031			✓
140	0.11	3.25	34.747	35.993			✓
170	0.09	3.50	34.282	34.529			✓
200	0.08	3.75	34.733	34.798			✓
230	0.06	4.00	32.753	32.797			✓
Fines	<0.06	> 4	122.810	122.857			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PC1-048
Sampling Date: 6/17/10
Analysis Date: 12/20/12

Container wt.: 6.155
Total wt.: 21.412
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.474	49.505			
12	1.7	-0.75	48.403	48.451			
14	1.4	-0.50	46.730	46.786			
16	1.18	-0.25	46.161	46.263			
18	1	0.00	46.304	46.389			
20	0.85	0.25	43.200	43.311			
25	0.71	0.50	45.667	45.884			
30	0.6	0.75	43.155	43.341			
35	0.5	1.00	41.509	41.869			
40	0.43	1.25	39.623	39.931			
45	0.36	1.50	39.218	39.871			
50	0.3	1.75	39.085	40.396			
60	0.25	2.00	38.413	41.892			
70	0.21	2.25	37.666	41.438			
80	0.18	2.50	36.474	38.819			
100	0.15	2.75	34.362	35.519			✓
120	0.13	3.00	35.467	36.061			✓
140	0.11	3.25	34.750	34.932			
170	0.09	3.50	34.282	34.303			
200	0.08	3.75	34.731	34.735			
230	0.06	4.00	32.753	32.755			
Fines	<0.06	> 4	122.809	122.827			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-052
Sampling Date: 6/17/10
Analysis Date: 12/20/12

Container wt.: 6.158
Total wt.: 19.312
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.473	49.971			
12	1.7	-0.75	48.800	48.525			
14	1.4	-0.50	46.726	46.882			
16	1.18	-0.25	46.156	46.297			
18	1	0.00	46.301	46.442			
20	0.85	0.25	43.196	43.319			
25	0.71	0.50	45.663	45.859			
30	0.6	0.75	43.154	43.299			
35	0.5	1.00	41.512	41.797			
40	0.43	1.25	39.623	39.897			
45	0.36	1.50	39.218	39.898			
50	0.3	1.75	39.089	40.600			
60	0.25	2.00	38.324	41.274			
70	0.21	2.25	37.667	40.197			
80	0.18	2.50	36.458	38.166			
100	0.15	2.75	34.362	35.174			~
120	0.13	3.00	35.439	35.891			
140	0.11	3.25	34.747	34.918			
170	0.09	3.50	34.279	34.309			
200	0.08	3.75	34.732	34.739			
230	0.06	4.00	32.753	32.762			
Fines	<0.06	> 4	122.813	122.839			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PC1-056
Sampling Date: 6/17/10
Analysis Date: 12/20/12

Container wt.: 6.158
Total wt.: 21.620
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.471	49.586			
12	1.7	-0.75	48.402	48.445			
14	1.4	-0.50	46.729	46.830			
16	1.18	-0.25	46.158	46.214			
18	1	0.00	46.301	46.397			
20	0.85	0.25	43.196	43.283			
25	0.71	0.50	45.661	45.829			
30	0.6	0.75	43.153	43.320			
35	0.5	1.00	41.510	41.891			
40	0.43	1.25	39.623	40.054			
45	0.36	1.50	39.214	40.318			
50	0.3	1.75	39.086	41.231			
60	0.25	2.00	38.472	41.867			
70	0.21	2.25	37.670	40.693			
80	0.18	2.50	36.487	38.361			✓
100	0.15	2.75	34.360	35.419			✓
120	0.13	3.00	35.433	36.039			✓
140	0.11	3.25	34.745	34.950			
170	0.09	3.50	34.280	34.309			
200	0.08	3.75	34.730	34.736			
230	0.06	4.00	32.751	32.756			
Fines	<0.06	> 4	122.812	122.839			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: DCI-060
Sampling Date: 6/17/10
Analysis Date: 12/20/12

Container wt.: 6.159
Total wt.: 19.618
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.470	49.743			
12	1.7	-0.75	48.398	48.517			
14	1.4	-0.50	46.728	46.820			
16	1.18	-0.25	46.155	46.241			
18	1	0.00	46.299	46.386			
20	0.85	0.25	43.195	43.306			
25	0.71	0.50	45.662	45.829			
30	0.6	0.75	43.154	43.292			
35	0.5	1.00	41.513	41.865			
40	0.43	1.25	39.628	40.045			
45	0.36	1.50	39.225	40.256			
50	0.3	1.75	39.089	40.981			
60	0.25	2.00	38.475	41.609			
70	0.21	2.25	37.677	40.261			
80	0.18	2.50	36.450	37.899			
100	0.15	2.75	34.354	35.044			✓
120	0.13	3.00	35.426	35.820			✓
140	0.11	3.25	34.739	34.894			
170	0.09	3.50	34.274	34.304			
200	0.08	3.75	34.728	34.738			
230	0.06	4.00	32.750	32.760			
Fines	<0.06	> 4	122.812	122.845			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-064
Sampling Date: 6/17/10
Analysis Date: 12/20/12

Container wt.: 6.160
Total wt.: 18.789
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.468	49.835			
12	1.7	-0.75	48.398	48.522			
14	1.4	-0.50	46.726	46.834			
16	1.18	-0.25	46.157	46.232			
18	1	0.00	46.300	46.416			
20	0.85	0.25	43.200	43.300			
25	0.71	0.50	45.664	45.808			
30	0.6	0.75	43.153	43.289			
35	0.5	1.00	41.512	41.822			
40	0.43	1.25	39.624	39.941			
45	0.36	1.50	39.226	40.010			
50	0.3	1.75	39.090	40.616			
60	0.25	2.00	38.521	40.872			
70	0.21	2.25	37.672	39.867			
80	0.18	2.50	36.460	38.018			
100	0.15	2.75	34.350	35.282			
120	0.13	3.00	35.418	36.115			
140	0.11	3.25	34.739	35.077			
170	0.09	3.50	34.277	34.343			
200	0.08	3.75	34.729	34.746			
230	0.06	4.00	32.752	32.767			
Fines	<0.06	> 4	122.813	122.860			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-068
Sampling Date: 6/17/10
Analysis Date: 12/20/12

Container wt.: 6.159
Total wt.: 22.249
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.461	49.804			
12	1.7	-0.75	48.398	48.505			
14	1.4	-0.50	46.730	46.919			
16	1.18	-0.25	46.157	46.399			
18	1	0.00	46.301	46.470			
20	0.85	0.25	43.198	43.374			
25	0.71	0.50	45.665	45.889			
30	0.6	0.75	43.150	43.292			
35	0.5	1.00	41.511	41.773			
40	0.43	1.25	39.623	39.835			
45	0.36	1.50	39.222	39.620			
50	0.3	1.75	39.085	39.776			
60	0.25	2.00	38.395	39.821			
70	0.21	2.25	37.658	39.595			✓
80	0.18	2.50	36.446	39.021			✓
100	0.15	2.75	34.349	36.905			
120	0.13	3.00	35.420	37.937			✓
140	0.11	3.25	34.740	35.978			✓
170	0.09	3.50	34.275	34.505			✓
200	0.08	3.75	34.728	34.794			
230	0.06	4.00	32.750	32.794			
Fines	<0.06	> 4	122.813	122.924			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-072
Sampling Date: 6/17/10
Analysis Date: 12/20/12

Container wt.: 6.160
Total wt.: 20.573
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.462	49.574			
12	1.7	-0.75	48.393	48.447			
14	1.4	-0.50	46.724	46.791			
16	1.18	-0.25	46.152	46.251			
18	1	0.00	46.299	46.399			
20	0.85	0.25	43.196	43.303			
25	0.71	0.50	45.657	45.824			
30	0.6	0.75	43.147	43.275			
35	0.5	1.00	41.510	41.775			
40	0.43	1.25	39.625	39.855			
45	0.36	1.50	39.218	39.824			
50	0.3	1.75	39.084	40.474			
60	0.25	2.00	38.400	40.763			✓
70	0.21	2.25	37.654	39.817			✓
80	0.18	2.50	36.476	38.289			✓
100	0.15	2.75	34.363	36.008			✓
120	0.13	3.00	35.422	37.044			✓
140	0.11	3.25	34.738	35.632			✓
170	0.09	3.50	34.275	34.438			✓
200	0.08	3.75	34.725	34.770			✓
230	0.06	4.00	32.749	32.780			
Fines	<0.06	> 4	122.813	122.861			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-076
Sampling Date: 6/17/10
Analysis Date: 12/20/12

Container wt.: 6.160
Total wt.: 22.309
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.469	49.489			
12	1.7	-0.75	48.398	48.402			
14	1.4	-0.50	46.720	46.738			
16	1.18	-0.25	46.153	46.171			
18	1	0.00	46.297	46.322			
20	0.85	0.25	43.194	43.221			
25	0.71	0.50	45.660	45.734			
30	0.6	0.75	43.147	43.217			
35	0.5	1.00	41.509	41.718			
40	0.43	1.25	39.623	39.901			
45	0.36	1.50	39.220	40.099			
50	0.3	1.75	39.096	41.357			
60	0.25	2.00	38.419	42.376			
70	0.21	2.25	37.669	41.279			
80	0.18	2.50	36.446	38.351			
100	0.15	2.75	34.360	35.365			
120	0.13	3.00	35.426	36.191			✓
140	0.11	3.25	34.738	35.152			–
170	0.09	3.50	34.275	34.343			–
200	0.08	3.75	34.727	34.740			
230	0.06	4.00	32.751	32.754			
Fines	<0.06	> 4	122.813	122.824			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-078
Sampling Date: 6/17/16
Analysis Date: 12/20/12

Container wt.: 6.159
Total wt.: 16.983
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.469	49.463			
12	1.7	-0.75	48.398	48.400			
14	1.4	-0.50	46.723	46.741			
16	1.18	-0.25	46.151	46.168			
18	1	0.00	46.294	46.319			
20	0.85	0.25	43.193	43.211			
25	0.71	0.50	45.662	45.699			
30	0.6	0.75	43.150	43.185			
35	0.5	1.00	41.508	41.593			
40	0.43	1.25	39.623	39.721			
45	0.36	1.50	39.226	39.515			
50	0.3	1.75	39.112	40.030			
60	0.25	2.00	38.520	40.871			
70	0.21	2.25	37.663	40.626			
80	0.18	2.50	36.462	38.346			
100	0.15	2.75	34.356	35.208			✓
120	0.13	3.00	35.427	35.935			✓
140	0.11	3.25	34.739	35.000			✓
170	0.09	3.50	34.273	34.320			✓
200	0.08	3.75	34.725	34.735			
230	0.06	4.00	32.749	32.752			
Fines	<0.06	> 4	122.812	122.816			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PCI-08[illegible]
Sampling Date: 6/17/18
Analysis Date: 12/20/12

Container wt.: 6.157
Total wt.: 19.808
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.463	49.497			
12	1.7	-0.75	48.395	48.406			
14	1.4	-0.50	46.721	46.724			
16	1.18	-0.25	46.149	46.161			
18	1	0.00	46.295	46.303			
20	0.85	0.25	43.193	43.203			
25	0.71	0.50	45.658	45.677			
30	0.6	0.75	43.147	43.162			
35	0.5	1.00	41.506	41.563			
40	0.43	1.25	39.621	39.703			
45	0.36	1.50	39.221	39.463			
50	0.3	1.75	39.098	39.685			
60	0.25	2.00	38.475	40.105			✓
70	0.21	2.25	37.676	40.605			✓
80	0.18	2.50	36.486	39.971			✓
100	0.15	2.75	34.356	36.663			✓
120	0.13	3.00	35.422	34.866			✓
140	0.11	3.25	34.737	35.265			✓
170	0.09	3.50	34.270	34.368			✓
200	0.08	3.75	34.723	34.756			✓
230	0.06	4.00	32.746	32.769			
Fines	<0.06	> 4	122.812	122.828			

Pulse Auger PA1

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PA1-000
Sampling Date: 10/9/10
Analysis Date: 11/4/10

Container wt.: 6.149
Total wt.: 18.100
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.334	46.358	
20	43.214	43.221	
25	45.596	45.624	
30	43193	43.228	
35	41.541	41.630	
40	39.615	39.787	
45	38.740	39.295	
50	39.026	40.374	
60	37.756	40.692	
70	35.897	38.870	
80	36.321	38.343	
100	34.299	35241	
120	35.322	35.767	
140	34.675	34.931	
170	34.261	34.337	
200	33.010	33.027	
230	32.788	32.795	
Fines Collector 1	21.218		
Fines Collector 2	21.214		
Fines Collector 3	21.284	21.222	
Sum total			

visual analysis
↓

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PA1-024
Sampling Date: 10/9/10
Analysis Date: 11/4/10

Container wt.: 6.151
Total wt.: 17.280
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.334	46.376	
20	43.210	43.214	
25	45.593	45.608	
30	43.200	43.261	
35	41.542	41.590	
40	39.613	39.698	
45	38.745	39.034	
50	39.039	39.762	
60	37.791	39.720	
70	35.930	38.469	
80	36.358	38.707	
100	34.323	35.691	
120	35.322	36.132	
140	34.685	35.194	
170	34.267	34.481	
200	33.011	33.084	
230	32.782	32.827	
Fines Collector 1	21.210		
Fines Collector 2	21.211		
Fines Collector 3	21.214	21.242	
Sum total			

increasing fineness ↓

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PA1-C45 Container wt.: 6.150
Sampling Date: 10/9/10 Total wt.: 16.579
Analysis Date: 11/4/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	16.346	16.761	
20	43.217	43226	
25	45.594	45.621	
30	43196	43.214	
35	41.545	41.575	
40	39.619	39.661	
45	38.750	38.881	
50	39.044	39.369	
60	37.796	38.784	
70	35.937	37.490	
80	36.339	38.209	
100	34.308	36.070	
120	35.328	36.976	
140	34.690	35.743	
170	34.281	34.572	
200	33.024	33.106	
230	32.795	32.849	
Fines Collector 1	21.219		
Fines Collector 2	21.216		
Fines Collector 3	21.215	21.288	
Sum total			

shell frags

increasing heavier

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: IB-BAI-C56
Sampling Date: 10/9/10
Analysis Date: 11/4/10

Container wt.: 6.155
Total wt.: 15.690
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.342	46.544	
20	43.214	43.238	
25	45.599	45.638	
30	43.188	43.211	
35	41.537	41.574	
40	39.608	39.659	
45	38.795	38.874	
50	39.023	39.318	
60	37.776	38.590	
70	35.916	37.219	
80	36.331	37.974	
100	34.300	36.047	
120	35.338	37.045	
140	34.684	35.780	
170	34.283	34.544	
200	33.014	33.082	
230	32.791	32.826	
Fines Collector 1	21.213		
Fines Collector 2	21.214		
Fines Collector 3	21.216	21.260	
Sum total			

shell frags.

increasing clearer but not as much as prev. samples ↓

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PA1-088
Sampling Date: 10/9/10
Analysis Date: 11/4/10

Container wt.: 6.156
Total wt.: 18.534
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.333	46.553	
20	43.205	43.222	
25	45.594	45.612	
30	43.188	43.201	
35	41.539	41.570	
40	39.609	39.652	
45	38.737	38.899	
50	39.023	39.435	
60	37.763	38.888	
70	35.908	37.536	
80	36.334	38.061	
100	34.297	36.366	
120	35.344	37.945	
140	34.684	36.430	
170	34.267	34.669	
200	33.018	33.100	
230	32.785	32.836	
Fines Collector 1	21.214		
Fines Collector 2	21.214		
Fines Collector 3	21.215	21.265	
Sum total			

shell hash

very fine heavies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PA1-110
Sampling Date: 10/9/10
Analysis Date: 11/4/10

Container wt.: 6.151
Total wt.: 16.988
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.339	46.335	
20	43.210	43.218	
25	45.595	45.606	
30	43.184	43.196	
35	41.536	41.560	
40	39.606	39.643	
45	38.737	38.878	
50	39.021	39.332	
60	37.765	38.606	
70	35.912	37.461	
80	36.336	38.605	
100	34.289	36.566	
120	35.351	37.277	
140	34.687	35.760	
170	34.262	34.524	
200	33.006	33.072	
230	32.784	32.814	
Fines Collector 1	21.220		
Fines Collector 2	21.214		
Fines Collector 3	21.218	21.248	
Sum total			

increasing heavies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

CIB.

Sample No: PA1-135
Sampling Date: 10/9/10
Analysis Date: 11/8/10

Container wt.: 6.160
Total wt.: 18.458
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.309	46.328	
20	43.196	43.204	
25	45.586	45.594	
30	43.162	43.167	
35	41.513	41.531	
40	39.586	39.614	
45	38.721	38.804	
50	38.993	39.140	
60	37.738	38.263	
70	35.898	37.236	
80	36.291	38.689	
100	34.260	37.272	
120	35.304	37.985	
140	34.659	36.121	
170	34.243	34.598	
200	32.989	33.072	
230	32.766	32.817	
Fines Collector 1	21.215		
Fines Collector 2	21.215		
Fines Collector 3	21.213	21.279	
Sum total			

Use this weight

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAI-185
Sampling Date: 10/9/10
Analysis Date: 8/9/12

Container wt.: 6.154
Total wt.: 22.791
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.633	51.778			
18	1	0.00	46.439	47.365			
20	0.85	0.25	43.344	43.639			
25	0.71	0.50	45.760	46.269			
30	0.6	0.75	43.288	43.775			
35	0.5	1.00	41.650	42.580			
40	0.43	1.25	39.733	40.431			
45	0.36	1.50	39.085	40.270			
50	0.3	1.75	39.200	40.622		✓	✓
60	0.25	2.00	38.527	40.369		✓	
70	0.21	2.25	37.702	39.247		✓	✓
80	0.18	2.50	36.581	37.924		✓	✓
100	0.15	2.75	34.473	35.715			✓
120	0.13	3.00	35.507	36.693			✓
140	0.11	3.25	34.802	35.495			✓
170	0.09	3.50	34.350	34.498			
200	0.08	3.75	33.118	33.157			
230	0.06	4.00	32.887	32.911			
Fines	<0.06	> 4	122.822	122.843			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAI-125 Container wt.: 6.155
Sampling Date: 10/9/10 Total wt.: 20.443
Analysis Date: 8/9/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.670	50.155			
18	1	0.00	46.446	47.353			
20	0.85	0.25	43.353	43.641			
25	0.71	0.50	45.772	46.387			
30	0.6	0.75	43.292	43.925			
35	0.5	1.00	41.654	42.810			
40	0.43	1.25	39.740	40.598			
45	0.36	1.50	39.093	40.015		✓	
50	0.3	1.75	39.208	40.739		✓	
60	0.25	2.00	38.510	40.424		✓	
70	0.21	2.25	37.764	39.165			✓
80	0.18	2.50	34.574	37.571			✓
100	0.15	2.75	34.489	35.279			✓
120	0.13	3.00	35.519	36.214			✓
140	0.11	3.25	34.810	35.231			✓
170	0.09	3.50	34.351	34.458			✓
200	0.08	3.75	33.120	33.153			
230	0.06	4.00	32.889	32.910			
Fines	<0.06	> 4	122.820	122.861			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAI-245
Sampling Date: 10/9/10
Analysis Date: 8/9/12

Container wt.: 6.157
Total wt.: 25.954
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	19.650	50.750			
18	1	0.00	16.444	47.197			
20	0.85	0.25	43.356	43665			
25	0.71	0.50	45.775	46.455			
30	0.6	0.75	43.290	44.073			
35	0.5	1.00	41.658	43.404			
40	0.43	1.25	39.743	41.249			
45	0.36	1.50	39.103	41.681			
50	0.3	1.75	39.218	42.179		✓	
60	0.25	2.00	38.500	41.789		✓	
70	0.21	2.25	37.757	39.633		✓	✓
80	0.18	2.50	34.578	37.553			✓
100	0.15	2.75	34.488	35.022			✓
120	0.13	3.00	35.508	35.878			✓
140	0.11	3.25	34.808	35.009			
170	0.09	3.50	34.349	34.392			
200	0.08	3.75	33.118	33.133			
230	0.06	4.00	32.886	32.899			
Fines	<0.06	> 4	122.822	122.841			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA1-300
Sampling Date: 10/9/10
Analysis Date: 8/9/12

Container wt.: 6.156
Total wt.: 22.269
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.642	51.005			
18	1	0.00	46.440	47.721			
20	0.85	0.25	43.350	43.821			
25	0.71	0.50	45.774	46.756			
30	0.6	0.75	43.291	44.267			
35	0.5	1.00	41.663	43.409			
40	0.43	1.25	39.755	40.990			
45	0.36	1.50	39.109	40.995			
50	0.3	1.75	39.228	41.048		✓	
60	0.25	2.00	38.509	40.434		✓	
70	0.21	2.25	37.757	38.926		✓	
80	0.18	2.50	36.570	37.179			
100	0.15	2.75	34.474	34.772			✓
120	0.13	3.00	35.506	35.666			
140	0.11	3.25	34.806	34.884			
170	0.09	3.50	34.350	34.366			
200	0.08	3.75	33.117	33.123			
230	0.06	4.00	32.885	32.890			
Fines	<0.06	> 4	122.823	122.829			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAI-325
Sampling Date: 10/9/10
Analysis Date: 8/9/12

Container wt.: 6.156
Total wt.: 20.902
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.637	53.057			
18	1	0.00	46.439	48.291			
20	0.85	0.25	43.355	43.862			
25	0.71	0.50	45.778	46.582			
30	0.6	0.75	43.292	44.066			
35	0.5	1.00	41.671	42.946			
40	0.43	1.25	39.756	40.601			
45	0.36	1.50	39.110	40.103		✓	
50	0.3	1.75	39.227	40.063		✓	
60	0.25	2.00	38.520	39.294		✓	
70	0.21	2.25	37.757	38.255		✓	
80	0.18	2.50	36.564	36.877		✓	
100	0.15	2.75	34.472	34.679			✓
120	0.13	3.00	35.580	35.874			✓
140	0.11	3.25	34.802	35.312			
170	0.09	3.50	34.348	34.603			
200	0.08	3.75	33.189	33.241			
230	0.06	4.00	32.887	32.992			
Fines	<0.06	> 4	122.822	122.963			

Pulse Auger PA2

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
~~Sample Date: April 23, 2010~~

Page : _____

Sample No: CIB-PA2-000
Sampling Date: 10/9/10
Analysis Date: 11/8/10

Container wt.: 6.149
Total wt.: 19.794
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.326	46.402	
20	43.195	43.207	
25	45.595	45.624	
30	43.159	43.203	
35	41.509	41.688	
40	39.591	39.882	
45	38.721	39.641	
50	38.990	40.778	
60	37.720	41.143	
70	35.871	39.053	
80	36.279	38.384	
100	34.249	35.208	
120	35.294	35.730	
140	34.642	34.839	
170	34.229	34.290	
200	32.976	33.002	
230	32.753	32.770	
Fines Collector 1	21.204		
Fines Collector 2	21.211		
Fines Collector 3	21.212	21.221	
Sum total			

~~DD~~
increasing heaviness

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
~~Sample Date: April 23, 2010~~

Page : _____

Sample No: CIB-PA2-025
Sampling Date: 10/8/10
Analysis Date: 11/5/10

Container wt.: 6.1451
Total wt.: 20.624
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.328	46.466	
20	43.195	43.240	
25	45.596	45.716	
30	43.166	43.305	
35	41.514	41.766	
40	39.594	39.898	
45	38.730	39.371	
50	39.020	40.180	
60	37.749	40.241	
70	35.900	38.953	
80	36.290	39.015	
100	34.261	35.810	
120	35.300	36.260	
140	34.648	35.798	
170	34.334	34.452	
200	32.982	33.054	
230	32.757	32.802	
Fines Collector 1	21.212		
Fines Collector 2	21.213		
Fines Collector 3	21.214	21.252	
Sum total			

increasing mesh size ↓

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
~~Sample Date: April 23, 2010~~

Page : _____

Sample No: CIB-PAZ-045
Sampling Date: 10/9/10
Analysis Date: 11/8/10

Container wt.: 6.152
Total wt.: 16.996
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.324	46.484	
20	43.198	43.248	
25	45.600	45.652	
30	43.165	43.208	
35	41.517	41.615	
40	39.598	39.744	
45	38.730	39.119	
50	39.011	39.806	
60	37.752	39.509	
70	35.913	38.080	
80	36.306	38.172	
100	34.267	35.467	
120	35.309	36.241	
140	34.654	35.359	
170	34.238	34.488	
200	32.988	33.073	
230	32.763	32.881	
Fines Collector 1	21.216		
Fines Collector 2	21.219		
Fines Collector 3	21.214	21.289	
Sum total			

very minimal
↓

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
~~Sample Date: April 23, 2010~~

Page : _____

Sample No: CIB-PA2-06C
Sampling Date: 10/9/10
Analysis Date: 11/9/10

Container wt.: 6.160
Total wt.: 17.480
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.3[illegible]0	46.432	
20	43.199	43.238	
25	45.601	45.658	
30	43.164	43.221	
35	41.513	41.678	
40	39.594	39.857	
45	38.729	39.496	
50	39.005	[illegible]0.442	
60	37.749	40.249	
70	35.906	38.256	
80	36.296	37.958	
100	34.264	35.214	
120	35.309	35.860	
140	34.655	34.942	
170	34.289	34.323	
200	32.986	33.007	
230	32.760	32.773	
Fines Collector 1	21.220		
Fines Collector 2	21.219		
Fines Collector 3	21.215	21.233	
Sum total			

vicram kaur

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
~~Sample Date: April 23, 2010~~

Page : _____

Sample No: CIB-PAZ-095 Container wt.: 6.159
Sampling Date: 10/9/10 Total wt.: 17.383
Analysis Date: 11/9/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.323	46.754	
20	43.202	43.300	
25	45.603	45.772	
30	43.161	43.246	
35	41.513	41.813	
40	39.593	39.953	
45	38.731	39.609	
50	39.013	40.280	
60	37.758	39.783	
70	35.914	37.849	
80	36.302	37.852	
100	34.261	35.280	
120	35.309	35.944	
140	34.652	34.945	
170	34.238	34.319	
200	32.988	33.000	
230	32.761	32.771	
Fines Collector 1	21.219		
Fines Collector 2	21.215		
Fines Collector 3	21.217	21.233	
Sum total			

missing beaker?

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PA2-110
Sampling Date: 10/9/10
Analysis Date: 11/11/10

Container wt.: 6.151
Total wt.: 15.825
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.323	47.315	
20	43.205	43.246	
25	45.606	45.705	
30	42.162	42.276	
35	41.525	41.773	
40	39.602	39.879	
45	38.742	39.428	
50	39.019	40.075	
60	37.766	39.655	
70	35.923	37.788	
80	36.311	37.578	
100	34.272	34.929	
120	35.315	35.603	
140	34.657	34.767	
170	34.240	34.265	
200	32.992	32.994	
230	32.764	32.763	
Fines Collector 1	21.219		
Fines Collector 2	21.278		
Fines Collector 3	21.220	21.295	
Sum total			

missing material

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PA2-150 Container wt.: 6.157
Sampling Date: 10/9/10 Total wt.: 19.089
Analysis Date: 11/11/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.324	46.983	
20	43.206	43.229	
25	45.606	45.701	
30	43.164	43.286	
35	41.520	41.822	
40	39.603	39.950	
45	38.743	39.592	
50	39.028	40.393	
60	37.770	40.333	
70	35.919	38.695	
80	36.304	38.354	
100	34.261	35.258	
120	35.308	35.777	
140	34.654	34.843	
170	34.236	34.284	
200	32.986	33.002	
230	32.757	32.771	
Fines Collector 1	21.217		
Fines Collector 2	21.215		
Fines Collector 3	21.280	21.230	
Sum total			

missing material

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PA2 -170
Sampling Date: 10/9/10
Analysis Date: 11/11/10

Container wt.: 6.152
Total wt.: 19.187
Sample wt.: _____

increasing shell fragments (small - med)

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.315	47.724	
20	43.199	43.315	
25	45.602	45.868	
30	43.164	43.472	
35	41.518	42.144	
40	39.600	40.194	
45	38.745	39.769	
50	39.032	40.209	
60	37.774	39.655	
70	35.938	38.064	
80	36.308	38.103	
100	34.268	35.233	
120	35.313	35.770	
140	34.653	34.831	
170	34.237	34.279	
200	32.988	33.998	
230	32.759	32.768	
Fines Collector 1	21.218		
Fines Collector 2	21.219		
Fines Collector 3	21.217	21.230	
Sum total			

increasing heavies ↓

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA2-185
Sampling Date: 10/9/10
Analysis Date: 8/9/12

Container wt.: 6.156
Total wt.: 25.347
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.636	50.704			
18	1	0.00	46.443	47.034			
20	0.85	0.25	43.350	43.512			
25	0.71	0.50	45.777	46.166			
30	0.6	0.75	43.295	43.712			
35	0.5	1.00	41.671	42.591			
40	0.43	1.25	39.754	40.538			
45	0.36	1.50	39.114	40.385			
50	0.3	1.75	39.215	40.709		~	✓
60	0.25	2.00	38.517	40.836		✓	✓
70	0.21	2.25	37.755	40.320			✓
80	0.18	2.50	36.553	39.053			✓
100	0.15	2.75	34.465	36.140			✓
120	0.13	3.00	35503	36.931			~
140	0.11	3.25	34.806	35.797			✓✓
170	0.09	3.50	34.347	34.715			
200	0.08	3.75	33.117	33.215			
230	0.06	4.00	32.888	32.929			
Fines	<0.06	> 4	122.819	122.858			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PA2-216 Container wt.: 6.152
Sampling Date: 10/9/10 Total wt.: 17.258
Analysis Date: 11/11/10 Sample wt.: _____

large shell frags

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.320	47.816	
20	43.198	43.288	
25	45.605	45.776	
30	43.158	43.368	
35	41.527	42.054	
40	39.599	40.236	
45	38.742	39.984	
50	39.019	40.326	
60	37.767	39.191	
70	35.926	37.004	
80	36.311	37.192	
100	34.276	34.992	
120	35.318	35.964	
140	34.658	35.119	heavies +
170	34.236	34.480	
200	32.985	33.039	
230	32.758	32.781	
Fines Collector 1	21.218		
Fines Collector 2	21.214		
Fines Collector 3	21.220	21.231	mica
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PA2-225 Container wt.: 6.152
Sampling Date: 10/9/10 Total wt.: 18.320
Analysis Date: 11/11/10 Sample wt.: _____

med shell frags & fewer than mm:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.320	46.825	
20	43.200	43.280	
25	45.605	45.788	
30	43.164	43.341	
35	41.538	42.022	
40	39.612	40.207	
45	38.753	39.498	
50	39.034	40.614	
60	37.769	39.843	
70	35.923	37.381	
80	36.310	37.288	
100	34.288	35.124	
120	35.322	36.249	
140	34.661	35.350	
170	34.239	34.457	
200	32.987	33.043	
230	32.758	32.783	
Fines Collector 1	21.218		
Fines Collector 2	21.215		
Fines Collector 3	21.215	21.234	
Sum total			

Pulse Auger PA3

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: PA3-000
Sampling Date: 10/9/10
Analysis Date: 3/5/11

Container wt.: 6.151
Total wt.: 20.704
Sample wt.:

Observations: med #, med sized shell frag

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.247	46.407	med shell frags	
20	43.129	43.168		
25	45.535	45.620		
30	43.095	43.204		
35	41.461	41.705		
40	39.539	39.785		
45	38.649	39.193		
50	38.938	39.901		
60	37.705	39.697		
70	35.882	38.368		
80	36.319	38.770		
100	34.311	36.201		
120	35.362	36.994		✓
140	34.629	35.721		✓
170	34.170	34.553		✓
200	32.920	33.027		✓
230	32.685	32.730		✓
Fines Collector 1	21.244			
Fines Collector 2	21.239			
Fines Collector 3	21.211	21.253		✓
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-020
Sampling Date: 10/9/10
Analysis Date: 7/20/12

Container wt.: 6.154
Total wt.: 18.085
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.625	49.953			
18	1	0.00	46.453	46.695			
20	0.85	0.25	43.316	43.420			
25	0.71	0.50	45.745	46.010			
30	0.6	0.75	43.273	43.631			
35	0.5	1.00	41.654	42.445			
40	0.43	1.25	39.727	40.449			
45	0.36	1.50	39.640	40.317			✓
50	0.3	1.75	39.143	41.134			✓
60	0.25	2.00	38.180	40.560			✓
70	0.21	2.25	37.706	39.315			✓
80	0.18	2.50	36.509	37.419			✓✓
100	0.15	2.75	34.399	34.792			✓✓
120	0.13	3.00	35.463	35.701			✓✓
140	0.11	3.25	34.774	34.921			✓✓
170	0.09	3.50	34.334	34.386			✓✓
200	0.08	3.75	33.104	33.115			
230	0.06	4.00	32.870	32.873			
Fines	<0.06	>4	122.805	122.810			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-034
Sampling Date: 10/9/10
Analysis Date: 7/20/12

Container wt.: 6.153
Total wt.: 22.817
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.635	49.718			
18	1	0.00	46.460	46.509			
20	0.85	0.25	43.319	43.333			
25	0.71	0.50	45.753	45.791			
30	0.6	0.75	43.277	43.400			
35	0.5	1.00	41.656	41.892			
40	0.43	1.25	39.731	40.161			
45	0.36	1.50	39.053	40.417			
50	0.3	1.75	39.166	42.349			
60	0.25	2.00	38.169	42.534			
70	0.21	2.25	37.710	41.181			V.
80	0.18	2.50	36.505	38.156			VV
100	0.15	2.75	34.399	35.059			VV
120	0.13	3.00	35.463	35.757			VV
140	0.11	3.25	34.777	34.919			VV
170	0.09	3.50	34.330	34.384			
200	0.08	3.75	33.106	33.113			
230	0.06	4.00	32.871	32.869			
Fines	<0.06	> 4	122.807	127.810			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-043
Sampling Date: 10/9/10
Analysis Date: 7/20/12

Container wt.: 6.152
Total wt.: 18.390
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.645	50.210	SHELL FRAGS & CLUMPS		
18	1	0.00	46.458	46.648	" "		
20	0.85	0.25	43.317	43.366			
25	0.71	0.50	45.749	45.813			
30	0.6	0.75	43.280	43.335			
35	0.5	1.00	41.659	41.809			
40	0.43	1.25	39.730	39.897			
45	0.36	1.50	39.049	39.455			
50	0.3	1.75	39.155	40.024			
60	0.25	2.00	38.218	40.394			
70	0.21	2.25	37.718	40.453			✓
80	0.18	2.50	36.504	38.658			✓
100	0.15	2.75	34.400	35.432			✓✓
120	0.13	3.00	35.461	36.073			✓✓
140	0.11	3.25	34.775	35.131			✓✓
170	0.09	3.50	34.333	34.487			✓✓
200	0.08	3.75	33.104	33.175			
230	0.06	4.00	32.870	32.949			
Fines	<0.06	> 4	122.805	122.921			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-070
Sampling Date: 10/9/10
Analysis Date: 7/20/12

Container wt.: 6.154
Total wt.: 21.025
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.642	49.648			
18	1	0.00	46.458	46.483			
20	0.85	0.25	43.317	43.323			
25	0.71	0.50	45.748	45.773			
30	0.6	0.75	43.277	43.300			
35	0.5	1.00	41.655	41.734			
40	0.43	1.25	39.726	39.843			
45	0.36	1.50	39.045	39.370			
50	0.3	1.75	39.142	39.860			
60	0.25	2.00	38.144	39.906			✓
70	0.21	2.25	37.699	40.000			✓
80	0.18	2.50	36.512	39.119			✓
100	0.15	2.75	34.398	36.593			✓
120	0.13	3.00	35.462	37.706			✓
140	0.11	3.25	34.776	36.289			✓
170	0.09	3.50	34.334	34.765			✓✓
200	0.08	3.75	33.108	33.181			
230	0.06	4.00	32.874	32.912			
Fines	<0.06	> 4	122.806	122.855			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-090
Sampling Date: 10/9/10
Analysis Date: 7/20/12

Container wt.: 6.154
Total wt.: 19.801
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.689	50.201			
18	1	0.00	46.458	46.682			
20	0.85	0.25	43.315	43.387			
25	0.71	0.50	45.750	45.869			
30	0.6	0.75	43.274	43.390			
35	0.5	1.00	41.653	41.936			
40	0.43	1.25	39.723	39.983			
45	0.36	1.50	39.041	39.571			
50	0.3	1.75	39.141	40.080			✓
60	0.25	2.00	38.135	39.981			✓
70	0.21	2.25	37.703	39.821			✓
80	0.18	2.50	36.514	38.598			✓
100	0.15	2.75	34.402	35.994			✓
120	0.13	3.00	35.474	36.942			✓
140	0.11	3.25	34.779	35.728			✓
170	0.09	3.50	34.332	34.559			✓
200	0.08	3.75	33.101	33.158			
230	0.06	4.00	32.870	32.901			
Fines	<0.06	> 4	122.806	122.865			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-110
Sampling Date: 10/9/10
Analysis Date: 7/20/12

Container wt.: 6.153
Total wt.: 22.266
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.644	50.118			
18	1	0.00	46.455	46.641			
20	0.85	0.25	43.314	43.374			
25	0.71	0.50	45.749	45.869			
30	0.6	0.75	43.273	43.425			
35	0.5	1.00	41.652	42.043			
40	0.43	1.25	39.722	40.074			
45	0.36	1.50	39.042	39.763			
50	0.3	1.75	39.135	40.400			
60	0.25	2.00	38.128	40.452			✓
70	0.21	2.25	37.706	40.480			✓
80	0.18	2.50	36.506	39.089			✓
100	0.15	2.75	34.398	36.204			✓
120	0.13	3.00	35.475	36.928			✓
140	0.11	3.25	34.777	35.531			✓
170	0.09	3.50	34.328	34.496			✓✓
200	0.08	3.75	33.103	33.155			
230	0.06	4.00	32.868	32.904			
Fines	<0.06	> 4	22.806	22.863			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-145 Container wt.: 6.154
Sampling Date: 10/9/10 Total wt.: 25.867
Analysis Date: 7/21/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.639	50.993			
18	1	0.00	46.457	46.979			
20	0.85	0.25	43.317	43.495			
25	0.71	0.50	45.749	46.072			
30	0.6	0.75	43.276	43.628			
35	0.5	1.00	41.655	42.379			
40	0.43	1.25	39.726	40.381			
45	0.36	1.50	39.648	40.228			
50	0.3	1.75	39.143	40.838			✓
60	0.25	2.00	38.127	40.556		✓	✓
70	0.21	2.25	37.760	40.240		✓	✓
80	0.18	2.50	36.508	39.076		✓	✓
100	0.15	2.75	34.410	36.654			✓
120	0.13	3.00	35.477	37.180			✓
140	0.11	3.25	34.780	35.485			✓
170	0.09	3.50	34.332	34.469			✓✓
200	0.08	3.75	33.106	33.142			
230	0.06	4.00	32.871	32.894			
Fines	<0.06	> 4	122.808	122.844			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-197
Sampling Date: 10/9/10
Analysis Date: 7/21/12

Container wt.: 6.153
Total wt.: 19.538
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.630	49.886	MICA FLAKES		
18	1	0.00	46.458	46.658			
20	0.85	0.25	43.318	43.362			
25	0.71	0.50	45.750	45.842			
30	0.6	0.75	43.280	43.374			
35	0.5	1.00	41.661	41.854			
40	0.43	1.25	39.727	39.940			
45	0.36	1.50	39.047	39.478		✓	
50	0.3	1.75	39.145	39.856		✓	✓
60	0.25	2.00	38.829	39.474		✓	✓
70	0.21	2.25	37.910	39.428		✓	✓
80	0.18	2.50	36.509	38.933			✓
100	0.15	2.75	34.478	36.729			✓
120	0.13	3.00	34.436	37.538			✓
140	0.11	3.25	34.778	35.748			✓
170	0.09	3.50	34.332	34.502			✓✓
200	0.08	3.75	33.105	33.137			
230	0.06	4.00	32.872	32.899			
Fines	<0.06	> 4	122.803	122.844			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-225
Sampling Date: 10/9/10
Analysis Date: 7/21/12

Container wt.: 6.154
Total wt.: 21.198
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.629	49.727			
18	1	0.00	46.457	46.519			
20	0.85	0.25	43.315	43.345			
25	0.71	0.50	45.751	45.821			
30	0.6	0.75	43.280	43.350			
35	0.5	1.00	41.654	41.795			
40	0.43	1.25	39.724	39.872			
45	0.36	1.50	39.043	39.383			
50	0.3	1.75	39.143	39.691		✓	
60	0.25	2.00	38.120	39.142		✓	✓
70	0.21	2.25	37.720	39.403			✓
80	0.18	2.50	36.926	34.341			✓
100	0.15	2.75	34.483	37.383			✓
120	0.13	3.00	34.783	38.233			✓
140	0.11	3.25	34.776	36.341			✓
170	0.09	3.50	34.332	34.682			✓
200	0.08	3.75	33.104	33.178			
230	0.06	4.00	32.871	32.915			
Fines	<0.06	> 4	122.806	122.856			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-244
Sampling Date: 10/9/10
Analysis Date: 7/21/12

Container wt.: 6.155
Total wt.: 18.387
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.627	49.973			
18	1	0.00	46.456	46.543			
20	0.85	0.25	43.315	43.338			
25	0.71	0.50	45.751	45.794			
30	0.6	0.75	43.274	43.322			
35	0.5	1.00	41.650	41.740			
40	0.43	1.25	39.722	39.811			
45	0.36	1.50	39.043	39.212		✓	
50	0.3	1.75	39.143	39.403		✓	✓
60	0.25	2.00	38.117	38.737		✓	✓
70	0.21	2.25	37.721	38.743		✓	✓
80	0.18	2.50	36.510	38.315		✓	✓
100	0.15	2.75	34.409	36.734			✓
120	0.13	3.00	35.476	38.024			✓
140	0.11	3.25	34.780	36.679			✓
170	0.09	3.50	34.332	34.863			✓
200	0.08	3.75	33.102	33.213			
230	0.06	4.00	32.868	32.924			
Fines	<0.06	> 4	122.805	122.848			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-270
Sampling Date: 10/9/10
Analysis Date: 7/21/12

Container wt.: 6.155
Total wt.: 19.081
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.620	51.026			
18	1	0.00	46.453	46.561			
20	0.85	0.25	43.312	43.351			
25	0.71	0.50	45.748	45.808			
30	0.6	0.75	43.271	43.335			
35	0.5	1.00	41.649	41.762			
40	0.43	1.25	39.721	39.831			
45	0.36	1.50	39.042	39.249		✓	
50	0.3	1.75	39.136	39.460		✓	✓
60	0.25	2.00	38.119	38.931		✓	✓
70	0.21	2.25	37.719	39.030		✓	✓
80	0.18	2.50	36.510	38.685		✓	✓
100	0.15	2.75	34.414	36.779			✓
120	0.13	3.00	35.484	37.937			✓
140	0.11	3.25	34.790	36.401			✓
170	0.09	3.50	34.331	34.753			✓
200	0.08	3.75	33.102	33.192			
230	0.06	4.00	32.868	32.924			
Fines	<0.06	> 4	122.804	122.862			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-290
Sampling Date: 10/9/10
Analysis Date: 7/21/12

Container wt.: 6.155
Total wt.: 22.959
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.617	50.514			
18	1	0.00	46.453	46.747			
20	0.85	0.25	43.313	43.380			
25	0.71	0.50	45.747	45.879			
30	0.6	0.75	43.270	43.411			
35	0.5	1.00	41.649	41.916			
40	0.43	1.25	39.729	39.983			
45	0.36	1.50	39.039	39.527			
50	0.3	1.75	39.136	39.949		✓	✓
60	0.25	2.00	38.136	39.938		✓	✓
70	0.21	2.25	37.718	39.977		✓	✓
80	0.18	2.50	36.511	38.812		✓	✓
100	0.15	2.75	34.404	36.621			✓
120	0.13	3.00	35.473	38.060			✓
140	0.11	3.25	34.779	36.347			✓
170	0.09	3.50	34.331	34.752			✓
200	0.08	3.75	33.102	33.194			
230	0.06	4.00	32.868	32.927			
Fines	<0.06	> 4	122.804	122.860			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA3-310
Sampling Date: 10/9/10
Analysis Date: 7/21/12

Container wt.: Co. 154
Total wt.: 18.276
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.621	49.993			
18	1	0.00	46.456	46.623			
20	0.85	0.25	43.319	43.347			
25	0.71	0.50	45.754	45.832			
30	0.6	0.75	43.272	43.353			
35	0.5	1.00	41.648	41.849			
40	0.43	1.25	39.718	39.941			
45	0.36	1.50	39.040	39.511			
50	0.3	1.75	39.138	39.905		✓	✓
60	0.25	2.00	38.164	39.663		✓	✓
70	0.21	2.25	37.724	39.579		✓	✓
80	0.18	2.50	36.516	38.185		✓	✓
100	0.15	2.75	34.412	35.826		✓	✓
120	0.13	3.00	35.489	37.108			✓
140	0.11	3.25	34.788	35.812			✓
170	0.09	3.50	34.329	34.627			✓✓
200	0.08	3.75	33.101	33.177			
230	0.06	4.00	32.868	32.914			
Fines	<0.06	> 4	122.806	122.851			

Pulse Auger PA4

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA4-COC
Sampling Date: 10/9/10
Analysis Date: 7/23/12

Container wt.: 6.155
Total wt.: 23.720
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.576	49.724			
18	1	0.00	46.412	46.874			
20	0.85	0.25	43.306	43.532			
25	0.71	0.50	45.724	46.079			
30	0.6	0.75	43.229	43.694			
35	0.5	1.00	41.607	42.408			
40	0.43	1.25	39.680	40.577			
45	0.36	1.50	39.005	40.618			
50	0.3	1.75	39.087	41.666			
60	0.25	2.00	37.970	41.100			✓
70	0.21	2.25	37.593	40.499			✓
80	0.18	2.50	36.459	38.101			✓✓
100	0.15	2.75	34.354	35.362			✓✓
120	0.13	3.00	35.433	36.114			✓✓
140	0.11	3.25	34.768	35.727			✓✓
170	0.09	3.50	34.329	34.459			✓✓
200	0.08	3.75	33.103	33.125			
230	0.06	4.00	32.870	32.876			
Fines	<0.06	> 4	122.804	122.810			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA4-020
Sampling Date: 10/9/10
Analysis Date: 7/23/12

Container wt.: 6.156
Total wt.: 21.155
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.584	49.598			
18	1	0.00	46.427	46.479			
20	0.85	0.25	43.317	43.380			
25	0.71	0.50	45.741	45.830			
30	0.6	0.75	43.275	43.476			
35	0.5	1.00	41.635	41.930			
40	0.43	1.25	39.712	40.084			
45	0.36	1.50	39.057	40.000			
50	0.3	1.75	39.158	41.712			
60	0.25	2.00	38.056	42.003			
70	0.21	2.25	37.643	41.255			✓
80	0.18	2.50	36.474	38.092			✓✓
100	0.15	2.75	34.371	35.000			✓✓
120	0.13	3.00	35.445	35.716			✓✓
140	0.11	3.25	34.805	34.929			✓✓
170	0.09	3.50	34.346	34.381			✓✓
200	0.08	3.75	33.105	33.110			
230	0.06	4.00	32.870	32.873			
Fines	<0.06	> 4	122.805	122.805			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA4-040
Sampling Date: 10/9/10
Analysis Date: 4/23/12

Container wt.: 6.155
Total wt.: 20.949
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	46.590	46.769			
18	1	0.00	46.458	46.535			
20	0.85	0.25	43.325	43.362			
25	0.71	0.50	45.734	45.833			
30	0.6	0.75	43.303	43.474			
35	0.5	1.00	41.638	41.889			
40	0.43	1.25	39.736	40.147			
45	0.36	1.50	39.045	39.906			
50	0.3	1.75	39.143	41.290		S	
60	0.25	2.00	38.059	41.574			V
70	0.21	2.25	37.666	41.104			✓
80	0.18	2.50	36.488	38.355			VV
100	0.15	2.75	34.380	35.196			VV
120	0.13	3.00	35.447	35.795			VV
140	0.11	3.25	34.797	34.962			VV
170	0.09	3.50	34.343	34.394			VV
200	0.08	3.75	33.108	33.114			
230	0.06	4.00	32.872	32.875			
Fines	<0.06	> 4	122.805	122.806			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA4-090
Sampling Date: 10/9/10
Analysis Date: 7/23/12

Container wt.: 6.154
Total wt.: 21.306
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.608	50.553	SF & CLUMPS		
18	1	0.00	46.467	46.743			
20	0.85	0.25	43.328	43.371			
25	0.71	0.50	45.734	45.830			
30	0.6	0.75	43.315	43.426			
35	0.5	1.00	41.641	41.913			
40	0.43	1.25	39.716	40.030			
45	0.36	1.50	39.054	39.740			
50	0.3	1.75	39.158	40.530			
60	0.25	2.00	38.066	40.641			✓
70	0.21	2.25	37.682	40.740		✓	✓
80	0.18	2.50	36.507	38.842			✓
100	0.15	2.75	34.373	35.726			✓
120	0.13	3.00	35.445	36.291			✓✓
140	0.11	3.25	34.793	35.162			✓✓
170	0.09	3.50	34.347	34.452			
200	0.08	3.75	33.107	33.142			
230	0.06	4.00	32.874	32.906			
Fines	<0.06	> 4	122.807	122.842			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA4-115
Sampling Date: 10/9/10
Analysis Date: 7/23/12

Container wt.: 6.154
Total wt.: 22.164
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	19.606	49.779			
18	1	0.00	46.462	46.643			
20	0.85	0.25	43.328	43.393			
25	0.71	0.50	45.738	45.925			
30	0.6	0.75	43.298	43.526			
35	0.5	1.00	41.637	42.202			
40	0.43	1.25	39.716	40.347			
45	0.36	1.50	39.048	40.163			
50	0.3	1.75	39.140	41.069			
60	0.25	2.00	38.806	41.256		✓	✓
70	0.21	2.25	37.669	40.612		✓	✓
80	0.18	2.50	36.490	38.642			✓
100	0.15	2.75	34.370	35.716			✓
120	0.13	3.00	35.444	36.174			✓
140	0.11	3.25	34.796	35.105			✓✓
170	0.09	3.50	34.344	34.422			~
200	0.08	3.75	33.109	33.134			✓
230	0.06	4.00	32.881	32.902			
Fines	<0.06	> 4	122.806	122.831			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA4-140
Sampling Date: 10/9/10
Analysis Date: 7/23/12

Container wt.: 6.155
Total wt.: 19.780
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.603	50.252			
18	1	0.00	46.461	46.550			
20	0.85	0.25	43.331	43.367			
25	0.71	0.50	45.740	45.835			
30	0.6	0.75	43.297	43.434			
35	0.5	1.00	41.638	41.966			
40	0.43	1.25	39.715	40.046			
45	0.36	1.50	39.045	39.704			
50	0.3	1.75	39.142	40.165			
60	0.25	2.00	38.327	40.023			✓
70	0.21	2.25	37.666	39.726			
80	0.18	2.50	36.487	38.582			✓
100	0.15	2.75	34.383	36.105			✓
120	0.13	3.00	35.450	36.886			✓
140	0.11	3.25	34.800	35.603			✓✓
170	0.09	3.50	34.352	34.524			✓✓
200	0.08	3.75	33.114	33.152			
230	0.06	4.00	32.879	32.907			
Fines	<0.06	> 4	122.805	122.843			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA4-175 Container wt.: 6.154
Sampling Date: 10/9/10 Total wt.: 22.044
Analysis Date: 7/23/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.603	49.816			
18	1	0.00	46.460	46.645			
20	0.85	0.25	43.333	43.392			
25	0.71	0.50	45.743	45.873			
30	0.6	0.75	43 295	43.454			
35	0.5	1.00	41.639	42.016			
40	0.43	1.25	39.717	40.135			
45	0.36	1.50	39.046	39.855			
50	0.3	1.75	39.139	40.400			✓
60	0.25	2.00	38.327	40.376			✓
70	0.21	2.25	37.662	40.145			✓
80	0.18	2.50	36.483	39.266			✓
100	0.15	2.75	34.373	36.560			✓
120	0.13	3.00	35.458	37.119			✓
140	0.11	3.25	34.801	35.570			✓
170	0.09	3.50	34.345	34.507			✓
200	0.08	3.75	33 110	33.149			
230	0.06	4.00	32.878	32.908			
Fines	<0.06	> 4	122.804	122.841			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA4-215
Sampling Date: 10/9/10
Analysis Date: 7/23/12

Container wt.: 6.155
Total wt.: 21.673
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.600	49.937			
18	1	0.00	46.460	46.578			
20	0.85	0.25	43.329	43.373			
25	0.71	0.50	45.743	45.828			
30	0.6	0.75	43.293	43.404			
35	0.5	1.00	41.639	41.897			
40	0.43	1.25	39.719	40.048			
45	0.36	1.50	39.045	39.791			
50	0.3	1.75	39.146	40.543			✓
60	0.25	2.00	38.401	40.562			✓
70	0.21	2.25	37.663	39.924			✓
80	0.18	2.50	36.491	38.777			✓
100	0.15	2.75	34.370	36.464			✓
120	0.13	3.00	35.451	37.322			✓
140	0.11	3.25	34.978	35.786			✓
170	0.09	3.50	34.339	34.523			✓
200	0.08	3.75	33.105	33.141			
230	0.06	4.00	32.878	32.902			
Fines	<0.06	>4	122.807	122.831			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA4-245
Sampling Date: 10/9/10
Analysis Date: 7/23/12

Container wt.: 6.154
Total wt.: 21.691
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	44.599	49.979			
18	1	0.00	46.471	46.550			
20	0.85	0.25	43.334	43.360			
25	0.71	0.50	45.746	45.853			
30	0.6	0.75	43.293	43.423			
35	0.5	1.00	41.636	41.895			
40	0.43	1.25	39.716	40.041			
45	0.36	1.50	39.033	39.767			
50	0.3	1.75	39.140	40.601			✓
60	0.25	2.00	38.402	40.974			✓
70	0.21	2.25	39.663	40.680			✓
80	0.18	2.50	38.489	39.027			✓
100	0.15	2.75	34.988	36.076			✓
120	0.13	3.00	35.448	36.680			✓
140	0.11	3.25	34.790	35.376			✓
170	0.09	3.50	34.341	34.435			
200	0.08	3.75	33.107	33.130			
230	0.06	4.00	32.882	32.894			
Fines	<0.06	> 4	122.806	122.830			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAC-274
Sampling Date: 10/9/10
Analysis Date: 7/23/12

Container wt.: 6.155
Total wt.: 22.242
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.603	49.647			
18	1	0.00	46.466	46.568			
20	0.85	0.25	43.330	43357			
25	0.71	0.50	45.745	45.815			
30	0.6	0.75	43298	43.376			
35	0.5	1.00	41.640	41.830			
40	0.43	1.25	39.710	39.940			
45	0.36	1.50	39.630	39.502			
50	0.3	1.75	39.125	40.056		✓	
60	0.25	2.00	38.346	40.345		✓	✓
70	0.21	2.25	37.646	40.420		✓	✓
80	0.18	2.50	36.496	39.458			✓
100	0.15	2.75	34.381	36.737			✓
120	0.13	3.00	35.446	37.591			✓
140	0.11	3.25	34.778	35.893			✓
170	0.09	3.50	34.340	34.499			✓
200	0.08	3.75	33107	33.134			
230	0.06	4.00	32.879	32.903			
Fines	<0.06	> 4	122.805	122.835			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA4-300
Sampling Date: 10/9/10
Analysis Date: 7/23/12

Container wt.: 6.154
Total wt.: 20.136
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.601	49.970			
18	1	0.00	46.469	46.582			
20	0.85	0.25	43.334	43.400			
25	0.71	0.50	45.745	45.833			
30	0.6	0.75	43.295	43.410			
35	0.5	1.00	41.635	41.891			
40	0.43	1.25	39.712	39.991			
45	0.36	1.50	39.030	39.557			
50	0.3	1.75	39.123	39.913		✓	
60	0.25	2.00	38.355	39.918		✓	✓
70	0.21	2.25	37.649	39.847		✓	✓
80	0.18	2.50	36.491	38.957		✓	✓
100	0.15	2.75	34.380	36.428			✓
120	0.13	3.00	35.451	37.271			✓
140	0.11	3.25	34.775	35.714			✓
170	0.09	3.50	34.340	34.475			✓
200	0.08	3.75	33.108	33.125			
230	0.06	4.00	32.881	32.890			
Fines	<0.06	> 4	122.809	122.819			

Pulse Auger PA5

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: PA5-000 Container wt.: 6.150
Sampling Date: 10/10/10 Total wt.: 20.613
Analysis Date: 3/5/11 Sample wt.:

Observations: small shell frags

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.253	46.444		
20	42.135	43.151		
25	45.547	45.591		
30	43.098	43.119		
35	41.493	41.587		
40	39.552	39.686		
45	38.684	39.042		
50	38.957	39.763		
60	37.712	39.733		
70	35.878	39.031		
80	36.303	39.092		
100	34.279	35.904		
120	35.355	36.606		✓
140	34.632	35.570		✓
170	34.169	34.684		✓
200	32.921	33.135		✓
230	32.684	32.838		✓
Fines Collector 1	21.244			
Fines Collector 2	21.241			
Fines Collector 3	21.244	21.361		✓
Sum total				

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PAS-025 Container wt.: 6.155
Sampling Date: 10/10/10 Total wt.: 18.463
Analysis Date: 11/11/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.321	46.332	
20	43.197	43.208	
25	45.604	45.615	
30	43.162	43.168	
35	41.533	41.572	
40	39.611	39.678	
45	38.754	38.998	
50	39.029	39.598	
60	37.780	39.128	
70	35.942	37.828	
80	36.320	38.563	
100	34.283	36.361	
120	35.324	37.400	
140	34.666	35.922	
170	34.239	34.523	
200	32.992	33.055	
230	32.761	32.793	
Fines Collector 1	21.221		
Fines Collector 2	21.220		
Fines Collector 3	21.220	21.238	
Sum total			

missing beaker

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: IB-PAS-040 Container wt.: 6.150
Sampling Date: 10/10/10 Total wt.: 20.121
Analysis Date: 11/2/10 Sample wt.: _____
lots of large shell frags.

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.323	48.776	
20	43.212	43.324	
25	45.638	45.791	
30	43.153	43.252	
35	41.511	41.776	
40	39.590	39.927	
45	38.710	39.542	
50	38.996	40.208	
60	37.744	39.753	
70	35.905	37.935	
80	36.292	37.958	
100	34.266	35.345	
120	35.304	36.141	
140	34.650	35.171	
170	34.239	34.399	
200	32.988	33.040	
230	32.761	32.793	
Fines Collector 1	21.231		
Fines Collector 2	21.229		
Fines Collector 3	21.230	21.294	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PA5-078 Container wt.: 6.155
Sampling Date: 10/10/10 Total wt.: 16.292
Analysis Date: 11/12/10 Sample wt.: _____
moderate amt of large shell frags

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.327	46.933	
20	43.216	43.363	
25	45.641	45.682	
30	43.156	43.330	
35	41.513	41.857	
40	39.593	39.922	
45	38.727	39.364	
50	39.003	39.913	
60	37.752	39.280	
70	35.915	37.558	
80	36.293	37.826	
100	34.263	35.315	
120	35.304	35.924	
140	34.649	34.921	
170	34.234	34.303	
200	32.985	33.003	
230	32.758	32.771	
Fines Collector 1	21.226		
Fines Collector 2	21.224		
Fines Collector 3	21.228	21.246	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PA5-122 Container wt.: 6.155
Sampling Date: 10/10/10 Total wt.: 17.570
Analysis Date: 11/12/10 Sample wt.: _____
few med. shell frag.

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.316	46.628	
20	43.212	43.239	
25	45.642	45.693	
30	43.158	43.194	
35	41.518	41.591	
40	39.596	39.677	
45	38.731	38.958	
50	39.002	39.554	
60	37.750	39.480	
70	35.913	38.538	
80	36.295	38.635	
100	34.265	35.747	
120	35.304	36.360	
140	34.648	35.246	
170	34.236	34.351	
200	32.985	33.003	
230	32.757	32.769	
Fines Collector 1	21.226		
Fines Collector 2	21.223		
Fines Collector 3	21.226	21.240	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PAS-168
Sampling Date: 10/10/10
Analysis Date: 11/12/10

Container wt.: 6.154
Total wt.: 17.224
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.315	46.385	
20	43.211	43.225	
25	45.641	45.667	
30	43.152	43.164	
35	41.513	41.529	
40	39.588	39.616	
45	38.725	38.820	
50	38.998	39.261	
60	37.760	38.707	
70	35.926	37.788	
80	36.318	38.803	
100	34.272	36.519	
120	35.309	37.134	
140	34.649	35.593	
170	34.335	34.372	
200	32.984	33.004	
230	32.754	32.767	
Fines Collector 1	21.223		
Fines Collector 2	21.225		
Fines Collector 3	21.224	21.236	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-PAS-180
Sampling Date: 10/10/10
Analysis Date: 11/12/10

Container wt.: 6.152
Total wt.: 17.897
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.315	46.345	
20	43.205	43.231	
25	45.631	45.670	
30	43.151	43.158	
35	41.510	41.536	
40	39.585	39.633	
45	38.721	38.869	
50	38.995	39.335	
60	37.756	38.722	
70	35.941	37.772	
80	36.325	38.850	
100	34.277	37.303	
120	35.324	36.654	
140	34.656	35.978	
170	34.231	34.409	
200	32.983	33.012	
230	32.755	32.790	
Fines Collector 1	21.224		
Fines Collector 2	21.225		
Fines Collector 3	21.225	21.243	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-BAS-205
Sampling Date: 10/10/16
Analysis Date: 11/15/16

Container wt.: 6.152
Total wt.: 19.625
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.311	46.338	
20	43.200	43.226	
25	45.625	45.668	
30	43.163	43.164	
35	41.519	41.536	
40	39.597	39.634	
45	38.726	38.824	
50	39.002	39.227	
60	37.750	38.403	
70	35.919	37.328	
80	36.309	37.389	
100	34.282	37.278	
120	35.321	38.101	
140	34.668	36.137	
170	34.243	34.500	
200	32.992	33.029	
230	32.764	32.780	
Fines Collector 1	21.234	[redacted]	[redacted]
Fines Collector 2	21.231	[redacted]	[redacted]
Fines Collector 3	21.231	21.262	
Sum total	[redacted]	[redacted]	

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : ______

Sample No: CIB-PAS-24C Container wt.: 6.150
Sampling Date: 10/10/10 Total wt.: 19.036
Analysis Date: 11/15/10 Sample wt.: ______

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight	
18	46.310	46.311		
20	43.202	43.202		
25	45.624	45.624		
30	43.157	43.160		
35	41.514	41.515		
40	39.588	39.594		
45	38.723	38.744		
50	39.065	39.073		MICA ?
60	37.750	38.087		"
70	35.934	36.852		"
80	36.333	38.339		"
100	34.321	37.195		"
120	35.356	38.974		"
140	34.681	37.038		"
170	34.243	34.686		[illegible]
200	32.990	33.045		
230	32.761	32.791		
Fines Collector 1	21.333			
Fines Collector 2	21.227			
Fines Collector 3	21.229	21.272		"
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAS-260
Sampling Date: 10/10/10
Analysis Date: 8/17/12

Container wt.: 6.156
Total wt.: 26.620
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.631	51.628			
18	1	0.00	46.461	47.124			
20	0.85	0.25	47.340	43.483			
25	0.71	0.50	45.774	46.028			
30	0.6	0.75	43.290	43.536			
35	0.5	1.00	41.646	42.123			
40	0.43	1.25	39.716	40.091		✓	
45	0.36	1.50	39.049	39.608		✓	
50	0.3	1.75	39.150	39.796		✓	✓
60	0.25	2.00	38.316	39.306		✓	
70	0.21	2.25	37.699	37.065		✓	
80	0.18	2.50	36.470	38.900		✓	✓
100	0.15	2.75	34.396	37.610			✓
120	0.13	3.00	35.460	39.622			✓
140	0.11	3.25	34.797	37.077			✓
170	0.09	3.50	34.363	34.773			✓
200	0.08	3.75	33.119	33.185			
230	0.06	4.00	32.878	32.915			
Fines	<0.06	> 4	122.821	122.895			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAS-285 Container wt.: 6.156
Sampling Date: 10/10/10 Total wt.: 22.229
Analysis Date: 8/17/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.608	50.874			
18	1	0.00	46.451	47.038			
20	0.85	0.25	43.335	43.495			
25	0.71	0.50	45.766	46.074			
30	0.6	0.75	43.268	43.591			
35	0.5	1.00	41.636	42.308			
40	0.43	1.25	39.711	40.225			
45	0.36	1.50	39.048	39.892		✓	
50	0.3	1.75	39.147	40.132		✓	
60	0.25	2.00	38.320	39.584		✓	
70	0.21	2.25	37.694	38.849		✓	
80	0.18	2.50	36.483	38.014			✓
100	0.15	2.75	34.402	36.266			✓
120	0.13	3.00	35.465	37.914			✓
140	0.11	3.25	34.800	36.442			✓
170	0.09	3.50	34.351	34.680			✓
200	0.08	3.75	33.116	33.174			
230	0.06	4.00	32.877	32.915			
Fines	<0.06	> 4	122.819	122.873			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAS-300
Sampling Date: 10/10/10
Analysis Date: 8/12/12

Container wt.: 6.157
Total wt.: 22.233
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.806	51.175			
18	1	0.00	46.451	46.805			
20	0.85	0.25	43.332	43.406			
25	0.71	0.50	45.765	45.928			
30	0.6	0.75	43.259	43.417			
35	0.5	1.00	41.635	42.034			
40	0.43	1.25	39.711	40.092			
45	0.36	1.50	39.052	39.823		✓	
50	0.3	1.75	39.148	40.630		✓	
60	0.25	2.00	38.330	40.569		✓	
70	0.21	2.25	37.696	39.429		✓	✓
80	0.18	2.50	36.479	38.002			✓
100	0.15	2.75	34.410	35.990			✓
120	0.13	3.00	35.463	37.425			✓
140	0.11	3.25	34.804	36.095			✓
170	0.09	3.50	34.348	34.595			✓
200	0.08	3.75	33.113	33.151			✓
230	0.06	4.00	32.876	32.902			
Fines	<0.06	> 4	22.822	22.860			

Pulse Auger PA6

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: PA6-000 Container wt.: 6.153
Sampling Date: 10/10/10 Total wt.: 21.054
Analysis Date: 3/16/11 Sample wt.: _____

Observations: smd shell frags

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.261	46.553		
20	43.134	43.186		
25	45.548	45.683		
30	43.114	43.256		
35	41.495	41.945		
40	39.557	40.096		
45	38.681	40.038		
50	38.971	41.081		
60	37.732	41.059		
70	35.905	38.642		
80	36.323	38.119		
100	34.270	35.097		✓
120	35.360	35.886		✓
140	34.643	34.977		✓
170	34.187	34.334		✓
200	32.941	32.993		✓
230	32.707	32.728		✓
Fines Collector 1	21.253			
Fines Collector 2	21.248			
Fines Collector 3	21.247	21.271		
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA6-025
Sampling Date: 10/10/10
Analysis Date: 7/26/12

Container wt.: 6.152
Total wt.: 22.171
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.613	49.611			
18	1	0.00	46.483	46.535			
20	0.85	0.25	43.340	43.359			
25	0.71	0.50	45.745	45.791			
30	0.6	0.75	43.293	43.378			
35	0.5	1.00	41.638	41.845			
40	0.43	1.25	39.716	40.133			
45	0.36	1.50	39.034	40.203			
50	0.3	1.75	39.123	41.659			✓
60	0.25	2.00	38.431	42.063			✓
70	0.21	2.25	37.647	40.885			✓
80	0.18	2.50	36.486	38.286			✓✓
100	0.15	2.75	34.384	35.451			✓✓
120	0.13	3.00	35.452	36.225			✓
140	0.11	3.25	34.787	35.249			✓
170	0.09	3.50	34.348	34.496			✓
200	0.08	3.75	33.114	33.144			
230	0.06	4.00	32.888	32.908			
Fines	<0.06	> 4	122.806	122.834			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAG-048
Sampling Date: 10/10/10
Analysis Date: 7/26/12

Container wt.: 6.155
Total wt.: 23.826
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.611	50.328			
18	1	0.00	46.483	46.966			
20	0.85	0.25	43.337	43.501			
25	0.71	0.50	45.748	46.042			
30	0.6	0.75	43.301	43.647			
35	0.5	1.00	41.642	42.407			
40	0.43	1.25	39.723	40.499			
45	0.36	1.50	39.055	40.656		✓	
50	0.3	1.75	39.144	41.478		✓	✓
60	0.25	2.00	38.397	41.512		✓	✓
70	0.21	2.25	37.661	40.332		·	✓
80	0.18	2.50	36.498	38.055		✓	✓
100	0.15	2.75	34.393	35.355			✓✓
120	0.13	3.00	35.455	36.092			✓
140	0.11	3.25	34.789	35.166			✓✓
170	0.09	3.50	34.342	34.495			✓
200	0.08	3.75	33.117	33.167			
230	0.06	4.00	32.889	32.935			
Fines	<0.06	> 4	122.807	122.893			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAC-C8C
Sampling Date: 10/10/10
Analysis Date: 7/28/12

Container wt.: 6.155
Total wt.: 20.496
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.605	49.608			
18	1	0.00	46.477	46.524			
20	0.85	0.25	43.338	43.353			
25	0.71	0.50	45.746	45.785			
30	0.6	0.75	43.305	43 376			
35	0.5	1.00	41.647	41.773			
40	0.43	1.25	39.721	39.888			
45	0.36	1.50	39.044	39.414		✓	
50	0.3	1.75	39.135	39.885			
60	0.25	2.00	38.371	40.425		✓	✓
70	0.21	2.25	37.656	40.688		✓	✓
80	0.18	2.50	36.506	39.324		✓	✓
100	0.15	2.75	34.385	36.247			✓
120	0.13	3.00	35.451	36.775			✓
140	0.11	3.25	34.787	35.398			✓
170	0.09	3.50	34.348	34.456			✓
200	0.08	3.75	33.116	33.150			
230	0.06	4.00	32.888	32.908			
Fines	<0.06	> 4	122.805	122.830			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAG-100
Sampling Date: 10/19/10
Analysis Date: 7/25/12

Container wt.: 6.157
Total wt.: 23.086
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.605	49.612			
18	1	0.00	46.478	46.487			
20	0.85	0.25	43.337	43.341			
25	0.71	0.50	45.749	45.752			
30	0.6	0.75	43.318	43.331			
35	0.5	1.00	41.643	41.666			
40	0.43	1.25	39.723	39.756			
45	0.36	1.50	39.044	39.175			
50	0.3	1.75	39.133	39.587			
60	0.25	2.00	38.388	40.216			
70	0.21	2.25	37.660	41.405		✓	✓
80	0.18	2.50	36.488	40.718			✓
100	0.15	2.75	34.604	37.392		✓	✓
120	0.13	3.00	35.452	37.564			✓
140	0.11	3.25	34.781	35.719			✓
170	0.09	3.50	34.339	34.510			✓
200	0.08	3.75	33.116	33.149			
230	0.06	4.00	32.884	32.912			
Fines	<0.06	> 4	122.804	122.830			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAG-130
Sampling Date: 10/10/10
Analysis Date: 7/26/12

Container wt.: 6.154
Total wt.: 19.732
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.609	49.607			
18	1	0.00	46.484	46.500			
20	0.85	0.25	43.340	43.353			
25	0.71	0.50	45.744	45.768			
30	0.6	0.75	43.316	43.347			
35	0.5	1.00	41.642	41.714			
40	0.43	1.25	39.720	39.809			
45	0.36	1.50	39.041	39.264			
50	0.3	1.75	39.132	39.635			
60	0.25	2.00	38.404	39.749		✓	✓
70	0.21	2.25	37.668	39.990		✓	✓
80	0.18	2.50	36.483	39.371			✓
100	0.15	2.75	34.384	36.795			✓
120	0.13	3.00	35.463	37.530			✓
140	0.11	3.25	34.783	35.919			✓
170	0.09	3.50	34.341	34.559			✓
200	0.08	3.75	33.117	33.150			
230	0.06	4.00	32.887	32.910			
Fines	<0.06	> 4	122.803	122.838			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA6-165
Sampling Date: 10/19/10
Analysis Date: 7/26/12

Container wt.: 6.155
Total wt.: 21.698
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.608	49.955			
18	1	0.00	46.482	46.554			
20	0.85	0.25	43.336	43.358			
25	0.71	0.50	45.746	45.775			
30	0.6	0.75	43.310	43.351			
35	0.5	1.00	41.636	41.745			
40	0.43	1.25	39.715	39.848			
45	0.36	1.50	39.036	39.354			
50	0.3	1.75	39.124	39.877			✓
60	0.25	2.00	38.382	40.261		✓	✓
70	0.21	2.25	37.681	40.520		✓	✓
80	0.18	2.50	34.503	39.437			✓
100	0.15	2.75	34.393	36.639			✓
120	0.13	3.00	35.470	37.505			✓
140	0.11	3.25	34.781	35.995			✓
170	0.09	3.50	34.337	34.592			✓✓
200	0.08	3.75	33.114	33.181			
230	0.06	4.00	32.885	32.942			
Fines	<0.06	> 4	122.802	122.904			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAG-200
Sampling Date: 10/10/10
Analysis Date: 7/26/12

Container wt.: 6.153
Total wt.: 21.498
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.605	50.313			
18	1	0.00	46.483	46.575			
20	0.85	0.25	43.337	43.368			
25	0.71	0.50	45.746	45.815			
30	0.6	0.75	43.310	43.391			
35	0.5	1.00	41.640	41.811			
40	0.43	1.25	39.716	39.903			
45	0.36	1.50	39.035	39.423			
50	0.3	1.75	39.126	39.905			
60	0.25	2.00	38.403	40.313		✓	✓
70	0.21	2.25	37.689	40.485		✓	✓
80	0.18	2.50	36.195	39.346			✓
100	0.15	2.75	34.407	36.406			✓
120	0.13	3.00	35.471	37.220			✓
140	0.11	3.25	34.783	35.743			✓
170	0.09	3.50	34.340	34.552			✓✓
200	0.08	3.75	33.106	33.161			
230	0.06	4.00	32.885	32.923			
Fines	<0.06	> 4	122.803	122.890			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAG-23C
Sampling Date: 10/10/10
Analysis Date: 7/27/12

Container wt.: 6.155
Total wt.: 20.960
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.604	50.590			
18	1	0.00	46.480	46.595			
20	0.85	0.25	43.335	43.365			
25	0.71	0.50	45.744	45.811			
30	0.6	0.75	43.307	43.374			
35	0.5	1.00	41.639	41.753			
40	0.43	1.25	39.715	39.841			
45	0.36	1.50	39.036	39.275		✓	
50	0.3	1.75	39.180	39.574		✓	
60	0.25	2.00	38.421	39.580		+	✓
70	0.21	2.25	37.679	39.517		+	✓
80	0.18	2.50	36.483	39.313		✓	✓
100	0.15	2.75	34.403	37.328			✓
120	0.13	3.00	35.468	37.816			✓
140	0.11	3.25	34.782	35.931			✓
170	0.09	3.50	34342	34.555			✓
200	0.08	3.75	33.113	33.161			
230	0.06	4.00	32.887	32.923			
Fines	<0.06	> 4	122.806	122.852			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAG-270
Sampling Date: 10/10/10
Analysis Date: 7/27/12

Container wt.: 6.155
Total wt.: 17.511
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.609	49.986			
18	1	0.00	46.485	46.547			
20	0.85	0.25	43.336	43.348			
25	0.71	0.50	45.748	45.771			
30	0.6	0.75	43.312	43.346			
35	0.5	1.00	41.639	41.707			
40	0.43	1.25	39.716	39.775			
45	0.36	1.50	39.036	39.161		✓	
50	0.3	1.75	39.123	39.335		✓	✓
60	0.25	2.00	38.397	38.888		+	✓
70	0.21	2.25	37.686	38.511		+	✓
80	0.18	2.50	36.499	37.983		✓	✓
100	0.15	2.75	34.404	36.848		✓	✓
120	0.13	3.00	35.488	38.460			✓
140	0.11	3.25	34.780	36.419			✓
170	0.09	3.50	34.340	34.665			✓
200	0.08	3.75	33.111	33.165			
230	0.06	4.00	32.887	32.926			
Fines	<0.06	> 4	122.805	122.851			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAG-295
Sampling Date: 10/10/10
Analysis Date: 7/27/12

Container wt.: 6.155
Total wt.: 19.635
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	19.607	50.077			
18	1	0.00	46.483	46.536			
20	0.85	0.25	43.336	43.340			
25	0.71	0.50	45.745	45.764			
30	0.6	0.75	43.311	43.340			
35	0.5	1.00	41.639	41.685			
40	0.43	1.25	39.715	39.777			
45	0.36	1.50	39.034	39.190		✓	
50	0.3	1.75	39.122	39.429		✓	
60	0.25	2.00	38.389	39.041		+	✓
70	0.21	2.25	37.661	38.536		+	✓
80	0.18	2.50	36.494	38.122		✓	✓
100	0.15	2.75	34.393	37.231		✓	✓
120	0.13	3.00	35.475	39.045			✓
140	0.11	3.25	34.782	36.868			✓
170	0.09	3.50	34.340	34.750			✓
200	0.08	3.75	33.105	33.174			
230	0.06	4.00	32.882	32.933			
Fines	<0.06	> 4	122.802	122.877			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAG-32e
Sampling Date: 10/10/10
Analysis Date: 7/27/12

Container wt.: 6.154
Total wt.: 21.579
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	119.607	49.732			
18	1	0.00	46.479	46.546			
20	0.85	0.25	43.335	43.350			
25	0.71	0.50	45.743	45.772			
30	0.6	0.75	43.309	43.347			
35	0.5	1.00	41.637	41.719			
40	0.43	1.25	39.712	39.819		✓	
45	0.36	1.50	39.030	39.324		✓	✓
50	0.3	1.75	39.118	39.747		✓	✓
60	0.25	2.00	38.401	39.587		✓	✓
70	0.21	2.25	37.669	38.994		✓	✓
80	0.18	2.50	36.486	38.408		✓	✓
100	0.15	2.75	34.392	37.233			✓
120	0.13	3.00	35.466	39.214			✓
140	0.11	3.25	34.784	37.023			✓
170	0.09	3.50	34.337	34.801			✓
200	0.08	3.75	33.103	33.198			
230	0.06	4.00	32.882	32.940			
Fines	<0.06	> 4	122.804	122.870			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAG-360
Sampling Date: 10/10/10
Analysis Date: 7/27/12

Container wt.: 6.156
Total wt.: 23.239
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.603	50.016			
18	1	0.00	46.477	46.587			
20	0.85	0.25	43.335	43.355			
25	0.71	0.50	45.742	45.793			
30	0.6	0.75	43.305	43.363			
35	0.5	1.00	41.634	41.773		✓	
40	0.43	1.25	39.711	39.882		✓	
45	0.36	1.50	39.030	39.4145		✓	✓
50	0.3	1.75	39.118	40.045		+	✓
60	0.25	2.00	38.437	40.523		✓	✓
70	0.21	2.25	37.665	40.092		✓	✓
80	0.18	2.50	36.491	39.120		✓	✓
100	0.15	2.75	34.390	36.968		✓	✓
120	0.13	3.00	35.476	38.208			✓
140	0.11	3.25	34.781	36.444			✓
170	0.09	3.50	34.335	34.688			✓
200	0.08	3.75	33.101	33.177			✓
230	0.06	4.00	32.883	32.933			
Fines	<0.06	> 4	122.805	122.870			

Pulse Auger PA7

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: PA7-CC0 Container wt.: 6.150
Sampling Date: 10/10/10 Total wt.: 21.109
Analysis Date: 3/6/11 Sample wt.:

Observations: Smol shell frags

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.259	46.383	shell frags	
20	43.134	43.176		
25	45.543	45.680		
30	43.117	43.488		
35	41.501	42.626		
40	39.561	40.615		
45	38.710	40.373		
50	38.985	40.626		
60	37.757	39.976		
70	35.915	37.~~899~~903		
80	36.300	37.809		
100	34.261	35.276		✓
120	35.350	36.176		✓
140	34.~~68~~0	35.322		✓
170	34.185	34.514		✓
200	32.936	34.034		✓
230	32.700	32.753		✓
Fines Collector 1	21.250			
Fines Collector 2	21.249			
Fines Collector 3	21.249	21.284		
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA7-08C
Sampling Date: 10/10/10
Analysis Date: 7/28/12

Container wt.: 6.153
Total wt.: 21.281
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.604	50.219			
18	1	0.00	46.475	46.833			
20	0.85	0.25	43.333	43.451			
25	0.71	0.50	45.741	46.115			
30	0.6	0.75	43.301	43.810			
35	0.5	1.00	41.632	42.966			
40	0.43	1.25	39.711	40.905			
45	0.36	1.50	39.029	41.064		✓	
50	0.3	1.75	39.117	41.371		✓	✓
60	0.25	2.00	38.388	40.913		✓	✓
70	0.21	2.25	37.669	39.594			✓
80	0.18	2.50	36.514	37.515			✓
100	0.15	2.75	34.390	34.810			✓
120	0.13	3.00	35.464	35.657			✓
140	0.11	3.25	34.781	34.886			✓
170	0.09	3.50	34.333	34.364			
200	0.08	3.75	33.103	33.110			
230	0.06	4.00	32.880	32.884			
Fines	<0.06	> 4	122.800	122.814			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA7-025
Sampling Date: 10/10/10
Analysis Date: 7/27/12

Container wt.: 6.154
Total wt.: 19.399
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.603	49.702			
18	1	0.00	46.475	46.722			
20	0.85	0.25	43.332	43.440			
25	0.71	0.50	45.743	45.989			
30	0.6	0.75	43.299	43.650			
35	0.5	1.00	41.640	42.447			
40	0.43	1.25	39.721	40.546			
45	0.36	1.50	39.045	40.641			
50	0.3	1.75	39.137	41.277			
60	0.25	2.00	28.389	41.065			✓
70	0.21	2.25	37.674	39.651			✓
80	0.18	2.50	36.490	37.558			✓
100	0.15	2.75	34.384	34.848			✓
120	0.13	3.00	35.458	35.735			✓✓
140	0.11	3.25	34.778	34.952			✓
170	0.09	3.50	34.332	34.398			✓
200	0.08	3.75	33.104	33.117			
230	0.06	4.00	32.882	32.887			
Fines	<0.06	> 4	122.805	122.814			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA7-035 Container wt.: 6.155
Sampling Date: 10/10/10 Total wt.: 19.321
Analysis Date: 7/27/12 Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.610	49.710			
18	1	0.00	46.467	46.537			
20	0.85	0.25	43.331	43.356			
25	0.71	0.50	45.741	45.818			
30	0.6	0.75	42.298	42.425			
35	0.5	1.00	41.647	42.008			
40	0.43	1.25	39.724	40.189			
45	0.36	1.50	39.058	40.233			
50	0.3	1.75	39.158	41.074		✓	
60	0.25	2.00	38.440	41.409			✓
70	0.21	2.25	37.668	40.486			
80	0.18	2.50	36.502	38.158			
100	0.15	2.75	34.384	35.033			✓
120	0.13	3.00	35.455	35.743			✓
140	0.11	3.25	34.773	34.907			✓
170	0.09	3.50	34.330	34.374			
200	0.08	3.75	33.103	33.113			
230	0.06	4.00	32.878	32.889			
Fines	<0.06	> 4	122.809	122.815			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAT-055
Sampling Date: 10/10/10
Analysis Date: 7/27/12

Container wt.: 6.153
Total wt.: 23.794
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.604	49.852			
18	1	0.00	46.471	46.773			
20	0.85	0.25	43.333	43.476			
25	0.71	0.50	45.740	45.995			
30	0.6	0.75	43.249	43.715			
35	0.5	1.00	41.638	42.823			
40	0.43	1.25	39.717	40.997			
45	0.36	1.50	39.055	41.180			
50	0.3	1.75	39.153	41.367			
60	0.25	2.00	38.408	41.289		✓	
70	0.21	2.25	37.673	40.009		✓	✓
80	0.18	2.50	36.497	38.098		✓	✓
100	0.15	2.75	34.384	35.360		✓	✓✓
120	0.13	3.00	35.457	36.205		✓	✓✓
140	0.11	3.25	34.775	35.338			✓✓
170	0.09	3.50	34.331	34.578			✓✓
200	0.08	3.75	33.103	33.191			
230	0.06	4.00	32.879	32.949			
Fines	<0.06	> 4	122.804	122.900			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA7-C7C
Sampling Date: 10/10/10
Analysis Date: 7/27/12

Container wt.: 6.154
Total wt.: 19.627
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.606	50.540			
18	1	0.00	46.468	47.339			
20	0.85	0.25	43.330	43.553			
25	0.71	0.50	45.739	46.060			
30	0.6	0.75	43.291	43.610			
35	0.5	1.00	41.636	42.193			
40	0.43	1.25	39.714	40.204			
45	0.36	1.50	39.058	39.967			
50	0.3	1.75	39.147	40.544		✓	
60	0.25	2.00	38.435	40.589		✓	✓
70	0.21	2.25	37.686	39.762		✓	✓
80	0.18	2.50	36.489	37.856			
100	0.15	2.75	34.385	35.035			✓✓
120	0.13	3.00	35.455	35.757			✓✓
140	0.11	3.25	34.773	34.930			✓✓
170	0.09	3.50	34.331	34.410			✓✓
200	0.08	3.75	33.100	33.139			
230	0.06	4.00	32.878	32.920			
Fines	<0.06	> 4	122.806	122.893			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA7-110
Sampling Date: 10/10/10
Analysis Date: 7/27/12

Container wt.: 6.156
Total wt.: 21.270
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.612	50.233			
18	1	0.00	46.468	46.872			
20	0.85	0.25	43.333	43.434			
25	0.71	0.50	45.744	45.949			
30	0.6	0.75	43.291	43.514			
35	0.5	1.00	41.639	42.064			
40	0.43	1.25	39.716	40.139			
45	0.36	1.50	39.061	39.898			
50	0.3	1.75	39.180	40.529			
60	0.25	2.00	38.491	40.968		✓	
70	0.21	2.25	37.687	40.545		✓	
80	0.18	2.50	36.487	38.786		✓	✓
100	0.15	2.75	34.383	35.741			✓
120	0.13	3.00	35.450	36.278			✓✓
140	0.11	3.25	34.773	35.161			✓✓
170	0.09	3.50	34.332	34.443			✓✓
200	0.08	3.75	33.101	33.130			
230	0.06	4.00	32.876	32.893			
Fines	<0.06	> 4	122.800	122.833			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA7-140
Sampling Date: 10/10/10
Analysis Date: 7/27/12

Container wt.: 6.154
Total wt.: 21.575
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.611	49.776			
18	1	0.00	46.468	46.644			
20	0.85	0.25	43.329	43.407			
25	0.71	0.50	45.743	45.894			
30	0.6	0.75	43.287	43.488			
35	0.5	1.00	41.636	42.021			
40	0.43	1.25	39.713	40.037			
45	0.36	1.50	39.056	39.656			
50	0.3	1.75	39.141	40.170			
60	0.25	2.00	38.566	40.647			
70	0.21	2.25	37.679	40.728		✓	
80	0.18	2.50	34.518	39.798		✓	✓
100	0.15	2.75	34.392	36.546			✓
120	0.13	3.00	35.453	36.391			✓
140	0.11	3.25	34.774	35.089			✓✓
170	0.09	3.50	34.328	34.891			✓✓
200	0.08	3.75	33.102	33.117			
230	0.06	4.00	32.875	32.884			
Fines	<0.06	> 4	122.805	122.828			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA7-170
Sampling Date: 10/10/10
Analysis Date: 8/1/12

Container wt.: 6.156
Total wt.: 22,406
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.628	49.708			
18	1	0.00	46.480	46.527			
20	0.85	0.25	43.347	43.371			
25	0.71	0.50	45.757	45.828			
30	0.6	0.75	43.319	43.384			
35	0.5	1.00	41.656	41.816			
40	0.43	1.25	39.732	39.917			
45	0.36	1.50	39.068	39.660			
50	0.3	1.75	39.160	40.409			✓
60	0.25	2.00	38.487	41.218		✓	✓
70	0.21	2.25	37.704	41.322		✓	✓
80	0.18	2.50	36.509	39.976			✓
100	0.15	2.75	34.410	36.462			✓
120	0.13	3.00	35.471	36.657			✓
140	0.11	3.25	34.796	35.156			✓
170	0.09	3.50	34.352	34.416			✓✓
200	0.08	3.75	33.126	33.148			
230	0.06	4.00	32.886	32.903			
Fines	<0.06	>4	122.807	122.841			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA7-210
Sampling Date: 10/10/10
Analysis Date: 8/1/12

Container wt.: 6.154
Total wt.: 22.628
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.623	49.848			
18	1	0.00	46.478	46.648			
20	0.85	0.25	43.345	43.453			
25	0.71	0.50	45.758	46.002			
30	0.6	0.75	43.305	43.671			
35	0.5	1.00	41.648	42.352			
40	0.43	1.25	39.731	40.203			
45	0.36	1.50	39.067	39.748			
50	0.3	1.75	39.169	40.242		✓	✓
60	0.25	2.00	38.488	40.767		✓	✓
70	0.21	2.25	37.762	40.746			✓
80	0.18	2.50	36.544	39.624			✓
100	0.15	2.75	34.431	36.584			✓
120	0.13	3.00	35.474	36.827			✓
140	0.11	3.25	34.788	35.144			✓
170	0.09	3.50	34.347	34.416			✓
200	0.08	3.75	33.120	33.138			
230	0.06	4.00	32.880	32.894			
Fines	<0.06	> 4	122.806	122.831			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA7-255
Sampling Date: 10/10/10
Analysis Date: 8/1/12

Container wt.: 6.154
Total wt.: 22.614
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.618	50.036			
18	1	0.00	46.473	47.059			
20	0.85	0.25	43.335	43.502			
25	0.71	0.50	45.754	46.127			
30	0.6	0.75	43.298	43.700			
35	0.5	1.00	41.643	42.341		✓	
40	0.43	1.25	39.729	40.205		✓	
45	0.36	1.50	39.065	39.673		✓	
50	0.3	1.75	39.165	39.969		✓	✓
60	0.25	2.00	38.523	40.140		✓	✓
70	0.21	2.25	39.783	40.302		✓	✓
80	0.18	2.50	36.957	39.663		✓	✓
100	0.15	2.75	34.433	36.500			✓
120	0.13	3.00	35.479	36.770			✓
140	0.11	3.25	34.783	35.221			✓✓
170	0.09	3.50	34.343	34.413			✓✓
200	0.08	3.75	33.115	33.141			
230	0.06	4.00	32.880	32.898			
Fines	<0.06	> 4	122.807	122.844			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA7-290
Sampling Date: 10/10/10
Analysis Date: 8/1/12

Container wt.: 6.155
Total wt.: 23.286
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.633	49.906			
18	1	0.00	46.465	46.800			
20	0.85	0.25	43.337	43.456			
25	0.71	0.50	45.758	46.051			
30	0.6	0.75	43.292	43.597			
35	0.5	1.00	41.641	42.231		✓	
40	0.43	1.25	39.724	40.186		✓	
45	0.36	1.50	39.062	39.693		✓	
50	0.3	1.75	39.163	40.032		✓	✓
60	0.25	2.00	38.454	40.275		✓	✓
70	0.21	2.25	37.725	40.736		✓	✓
80	0.18	2.50	36.552	40.100			✓
100	0.15	2.75	34.435	36.794			✓
120	0.13	3.00	35.476	37.011			✓
140	0.11	3.25	34.782	35.311			✓✓
170	0.09	3.50	34.339	34.431			✓✓
200	0.08	3.75	33.111	33.142			
230	0.06	4.00	32.877	32.909			
Fines	<0.06	> 4	122.805	122.860			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: DA7-310
Sampling Date: 10/10/10
Analysis Date: 8/1/12

Container wt.: 6.155
Total wt.: 20.050
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.628	50.212			
18	1	0.00	46.462	46.646			
20	0.85	0.25	43.335	43.389			
25	0.71	0.50	45.769	45.867			
30	0.6	0.75	43.283	43.394			
35	0.5	1.00	41.638	41.883		✓	
40	0.43	1.25	39.720	39.948		✓	
45	0.36	1.50	39.064	39.427		✓	
50	0.3	1.75	39.167	39.650		✓	
60	0.25	2.00	38.514	39.573		✓	
70	0.21	2.25	37.719	39.676		✓	✓
80	0.18	2.50	36.541	39.389		✓	✓
100	0.15	2.75	34.436	36.875		✓	✓
120	0.13	3.00	35.474	37.458		✓	✓
140	0.11	3.25	34.784	35.607			✓
170	0.09	3.50	34.337	34.457			✓
200	0.08	3.75	33.108	33.143			
230	0.06	4.00	32.877	32.905			
Fines	<0.06	> 4	122.809	122.875			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA7-325
Sampling Date: 10/10/10
Analysis Date: 8/1/12

Container wt.: 6.156
Total wt.: 24.290
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.622	50.703			
18	1	0.00	46.459	47.334			
20	0.85	0.25	43.335	43.586			
25	0.71	0.50	45.756	46.303			
30	0.6	0.75	43.267	43 883			
35	0.5	1.00	41.621	42.864			
40	0.43	1.25	39.709	40.638		✓	
45	0.36	1.50	39.055	40.468		✓	
50	0.3	1.75	39.155	40.432		✓	
60	0.25	2.00	38.~~454~~ 11	39.914		✓	✓
70	0.21	2.25	37.700	39.184		✓	✓
80	0.18	2.50	36.547	38.195		✓	✓
100	0.15	2.75	34.422	36.048			✓
120	0.13	3.00	35.479	37.507			✓
140	0.11	3.25	34.779	35.979			✓
170	0.09	3.50	34.331	34.565			✓
200	0.08	3.75	33 102	33.158			
230	0.06	4.00	32.871	32.908			
Fines	<0.06	> 4	122.807	122.857			

Pulse Auger PA8

Grain-size analysis
Data Sheet
Project: Cedar Island Breach

Sample No: PA8-CC0 Container wt.: 6.155
Sampling Date: 10/10/10 Total wt.: 21.427
Analysis Date: 3/6/11 Sample wt.: _____

Observations: sand shell frags

Standard Sieve	TARE Weight	Weight after sieving	Comments	HVYS
18	46.260	46.321	shell frags	
20	43.138	43.154		
25	45.549	45.590		
30	43.123	43.182		
35	41.508	41.676		
40	39.588	39.802		
45	38.712	39.355		
50	38.976	40.355		
60	37.738	40.631		
70	35.890	38.856		
80	36.294	38.518		✓
100	34.249	35.690		✓
120	35.344	36.558		✓
140	34.627	35.703		✓
170	34.183	34.770		✓
200	32.932	33.100		✓
230	32.698	32.773		✓
Fines Collector 1	21.250			
Fines Collector 2	21.248			
Fines Collector 3	21.249	21.298		
Sum total				

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA8-020
Sampling Date: 10/10/10
Analysis Date: 8/6/12

Container wt.: 6.154
Total wt.: 21.899
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.635	49.659			
18	1	0.00	46.468	46.483			
20	0.85	0.25	43.348	43.354			
25	0.71	0.50	45.766	45.786			
30	0.6	0.75	43.293	43.307			
35	0.5	1.00	41.651	41.686			
40	0.43	1.25	39.737	39.809			
45	0.36	1.50	39.085	39.428			
50	0.3	1.75	39.176	40.443			
60	0.25	2.00	38.434	42.439			
70	0.21	2.25	37.727	42.485			✓
80	0.18	2.50	36.557	39.424			✓
100	0.15	2.75	34.455	35.693			✓✓
120	0.13	3.00	35.499	36.129			✓✓
140	0.11	3.25	34.804	35.067			✓✓
170	0.09	3.50	34.351	34.424			✓
200	0.08	3.75	33.122	33.141			
230	0.06	4.00	32.890	32.898			
Fines	<0.06	> 4	122.806	122.814			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA8-035
Sampling Date: 10/10/10
Analysis Date: 8/6/12

Container wt.: 6.156
Total wt.: 22.794
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.646	49.766			
18	1	0.00	46.464	46.649			
20	0.85	0.25	43.344	43.420			
25	0.71	0.50	45.766	45.908			
30	0.6	0.75	43.291	43.463			
35	0.5	1.00	41.647	42.099			
40	0.43	1.25	39.737	40.259			
45	0.36	1.50	39.079	40.436			
50	0.3	1.75	39.176	41.551			
60	0.25	2.00	38.489	42.462			
70	0.21	2.25	37.758	41.315			
80	0.18	2.50	34.600	38.632			✓
100	0.15	2.75	34.451	35.278			✓✓
120	0.13	3.00	35.497	35.894			✓✓
140	0.11	3.25	34.795	35.005			✓✓
170	0.09	3.50	34.346	34.425			
200	0.08	3.75	33.118	33.137			
230	0.06	4.00	32.887	32.898			
Fines	<0.06	> 4	122.805	122.812			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA8-075
Sampling Date: 10/10/10
Analysis Date: 8/6/12

Container wt.: 6.155
Total wt.: 25.542
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.036	51.572			
18	1	0.00	46.464	47.024			
20	0.85	0.25	43.341	43.518			
25	0.71	0.50	45.764	46.111			
30	0.6	0.75	43.290	43.635			
35	0.5	1.00	41.647	42.351			
40	0.43	1.25	39.734	40.299			
45	0.36	1.50	39.088	39.916			
50	0.3	1.75	39.684	40.395			
60	0.25	2.00	38.479	40.731		✓	
70	0.21	2.25	37.742	40.822			✓
80	0.18	2.50	36.575	39.363			
100	0.15	2.75	34.440	36.178			✓
120	0.13	3.00	35.480	36.970			✓✓
140	0.11	3.25	34.794	35.584			✓✓
170	0.09	3.50	34.346	34.513			✓✓
200	0.08	3.75	33.117	33.166			
230	0.06	4.00	32.886	32.920			
Fines	<0.06	> 4	122.806	122.861			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA8-100
Sampling Date: 10/10/10
Analysis Date: 8/6/12

Container wt.: 6.154
Total wt.: 17.787
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.634	49.664			
18	1	0.00	46.463	46.585			
20	0.85	0.25	43.339	43.382			
25	0.71	0.50	45.762	45.849			
30	0.6	0.75	43.290	43.371			
35	0.5	1.00	41.645	41.885			
40	0.43	1.25	39.734	40.009			
45	0.36	1.50	39.084	39.753			
50	0.3	1.75	39.183	40.432			
60	0.25	2.00	38.497	41.020			
70	0.21	2.25	37.742	40.547			
80	0.18	2.50	36.562	38.459			✓
100	0.15	2.75	35.484	35.311			
120	0.13	3.00	35.484	35.912			✓
140	0.11	3.25	34.393	34.983			✓
170	0.09	3.50	34.345	34.381			
200	0.08	3.75	33.115	33.130			
230	0.06	4.00	32.884	32.894			
Fines	<0.06	> 4	122.806	122.880			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA 8-135
Sampling Date: 10/10/10
Analysis Date: 8/6/12

Container wt.: 6.154
Total wt.: 22.705
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.628	49.667			
18	1	0.00	46.449	46.535			
20	0.85	0.25	43.336	43.374			
25	0.71	0.50	45.763	45.850			
30	0.6	0.75	43.287	43.419			
35	0.5	1.00	41.645	42.062			
40	0.43	1.25	39.731	40.219			
45	0.36	1.50	39.080	40.157			
50	0.3	1.75	39.184	40.851			
60	0.25	2.00	38.506	41.530		✓	
70	0.21	2.25	37.738	41.121		✓	✓
80	0.18	2.50	36.557	39.157			✓
100	0.15	2.75	34.434	35.911			✓
120	0.13	3.00	35.484	36.360			✓
140	0.11	3.25	34.792	35.141			✓
170	0.09	3.50	34.345	34.410			✓✓
200	0.08	3.75	33.115	33.138			
230	0.06	4.00	32.884	32.900			
Fines	<0.06	> 4	122.804	122.841			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA8-185
Sampling Date: 10/10/10
Analysis Date: 8/4/12

Container wt.: 6.155
Total wt.: 24.973
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.624	50.628			
18	1	0.00	46.432	46.779			
20	0.85	0.25	43.334	43.406			
25	0.71	0.50	45.762	45.898			
30	0.6	0.75	43.285	43.421			
35	0.5	1.00	41.646	42.051			
40	0.43	1.25	39.732	40.212			
45	0.36	1.50	39.077	40.104			
50	0.3	1.75	39.187	40.853		✓	✓
60	0.25	2.00	38.544	41.600		✓	✓
70	0.21	2.25	37.753	41.358		✓	✓
80	0.18	2.50	36.556	39.899			✓
100	0.15	2.75	34.450	36.366			✓
120	0.13	3.00	35.486	36.515			✓
140	0.11	3.25	34.793	35.134			✓
170	0.09	3.50	34.342	34.398			✓
200	0.08	3.75	33.113	33.128			
230	0.06	4.00	32.883	32.895			
Fines	<0.06	> 4	122.806	122.827			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA8-210
Sampling Date: 10/10/10
Analysis Date: 8/6/12

Container wt.: 6.155
Total wt.: 18.741
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.629	51.348			
18	1	0.00	46.429	46.931			
20	0.85	0.25	43.334	43.447			
25	0.71	0.50	45.759	45.916			
30	0.6	0.75	43.281	43.422			
35	0.5	1.00	41.641	41.921			
40	0.43	1.25	39.726	40.024			
45	0.36	1.50	39.080	39.612			
50	0.3	1.75	39.186	39.995		✓	✓
60	0.25	2.00	38.463	39.922			✓
70	0.21	2.25	37.744	39.686			✓
80	0.18	2.50	36.567	38.697		✓	✓
100	0.15	2.75	34.459	35.841			✓
120	0.13	3.00	35.480	36.176			✓✓
140	0.11	3.25	34.788	35.030			✓✓
170	0.09	3.50	34.342	34.390			
200	0.08	3.75	33.109	33.128			
230	0.06	4.00	32.880	32.893			
Fines	<0.06	> 4	122.804	122.829			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA 8-230
Sampling Date: 10/10/10
Analysis Date: 8/6/12

Container wt.: 6.155
Total wt.: 20.526
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.625	50.620			
18	1	0.00	46.425	47.351			
20	0.85	0.25	43.334	43.566			
25	0.71	0.50	45.764	46.186			
30	0.6	0.75	43.280	43.625			
35	0.5	1.00	41.637	42.227			
40	0.43	1.25	39.727	40.186			
45	0.36	1.50	39.074	39.760			
50	0.3	1.75	39.182	40.119		✓	✓
60	0.25	2.00	38.470	40.092		–	✓
70	0.21	2.25	37.762	39.889		✓	✓
80	0.18	2.50	36.527	38.964			✓
100	0.15	2.75	34.457	35.988			✓
120	0.13	3.00	35.981	36.161			✓
140	0.11	3.25	34.791	35.005			✓
170	0.09	3.50	34.342	34.386			✓
200	0.08	3.75	33.111	33.126			
230	0.06	4.00	32.881	32.893			
Fines	<0.06	> 4	122.807	122.835			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PAG-260
Sampling Date: 10/10/10
Analysis Date: 8/6/12

Container wt.: 6.155
Total wt.: 23.168
Sample wt.:

Observations:

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	19.625	52.098			
18	1	0.00	46.426	47.281			
20	0.85	0.25	43.336	43.527			
25	0.71	0.50	45.764	46.145			
30	0.6	0.75	43.279	43.609			
35	0.5	1.00	41.637	42.190			
40	0.43	1.25	39.724	40.152			
45	0.36	1.50	39.076	39.666			
50	0.3	1.75	39.185	39.810		✓	
60	0.25	2.00	38.480	39.507			✓
70	0.21	2.25	37.748	39.431		✓	✓
80	0.18	2.50	36.557	39.812			✓
100	0.15	2.75	34.451	37.171			✓
120	0.13	3.00	35.489	36.802			✓
140	0.11	3.25	34.789	35.161			✓
170	0.09	3.50	34.340	34.409			✓
200	0.08	3.75	33.110	33.134			
230	0.06	4.00	32.880	32.901			
Fines	<0.06	> 4	122.806	122.849			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA8-290
Sampling Date: 10/10/10
Analysis Date: 8/6/12

Container wt.: 6.155
Total wt.: 22.852
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.619	51.325			
18	1	0.00	46.429	46.805			
20	0.85	0.25	43.337	43.440			
25	0.71	0.50	45.764	45.976			
30	0.6	0.75	43.277	43.467			
35	0.5	1.00	41.636	41.920			
40	0.43	1.25	39.724	39.960			
45	0.36	1.50	39.076	39.508			
50	0.3	1.75	39.184	39.847		✓	
60	0.25	2.00	38.472	39.981		✓	✓
70	0.21	2.25	37.743	40.337			✓
80	0.18	2.50	36.568	40.471			✓
100	0.15	2.75	34.467	37.123			✓
120	0.13	3.00	35.485	36.699			✓
140	0.11	3.25	34.788	35.158			✓
170	0.09	3.50	34.340	34.424			✓
200	0.08	3.75	33.109	33.136			
230	0.06	4.00	32.879	32.901			
Fines	<0.06	> 4	122.807	122.854			

Grain-size analysis data sheet
Project: Cedar Island Breach

Sample No: PA8-330
Sampling Date: 10/10/10
Analysis Date: 8/6/12

Container wt.: 6.155
Total wt.: 20.291
Sample wt.: _____

Observations: _____

SS	mm	ϕ	TARE Weight	Weight after sieving	Comments	Mica	HVY
10	2	-1.00	49.620	50.456			
18	1	0.00	46.428	46.542			
20	0.85	0.25	43.334	43.364			
25	0.71	0.50	45.762	45.817			
30	0.6	0.75	43.278	43.326			
35	0.5	1.00	41.638	41.716			
40	0.43	1.25	39.725	39.793			
45	0.36	1.50	39.076	39.210			
50	0.3	1.75	39.183	39.401			
60	0.25	2.00	38.484	39.080		✓	✓
70	0.21	2.25	37.732	39.160		✓	✓
80	0.18	2.50	36.572	39.795			✓
100	0.15	2.75	34.466	37.587			✓
120	0.13	3.00	35.493	38.159			✓
140	0.11	3.25	34.787	35.903			✓
170	0.09	3.50	34.340	34.541			✓✓
200	0.08	3.75	33.110	33.170			✓✓
230	0.06	4.00	32.879	32.914			
Fines	<0.06	> 4	122.806	122.862			

Trench T1

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Sample No: CIB-100423-T1-25
Sampling Date: 4/23/10
Analysis Date: 7/12/10

Container wt.: 6,146
Total wt.: 12.119
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	~~46,405~~ ~~46.697~~	~~46,491~~ ~~45.812~~	
20	43.278	43.337	
25	45.619	45.697	
30	43.270	43.401	
35	41.623	41.799	
40	39.674	39.860	
45	38,795	39.208	
50	39.067	39.771	
60	37.813	39,261	
70	35.922	37.168	
80	36.356	37.086	
100	34.321	34.596	
120	35.385	35.481	
140	34.727	34.758	
170	34.319	34.326	
200	33.072	33.078	
230	32.854	32.859	
Fines Collector 1	21.240		
Fines Collector 2	21.341		
Fines Collector 3	21.507	21.508	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

✓

Sample No: CIB-100423-T/-30
Sampling Date: 4/23/10
Analysis Date: 7/12/10

Container wt.: 6.155
Total wt.: 11.138
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.406	46.427	
20	43.297	43.305	
25	45.643	45.664	
30	43.324	43.370	
35	41.654	41.719	
40	39.714	39.795	
45	38.832	39.069	
50	39.163	39.618	
60	37.929	39.034	
70	36.039	37.225	
80	36.479	37.440	
100	34.375	34.816	
120	35.405	35.596	
140	34.739	34.795	
170	34.325	34.335	
200	33.078	33.082	
230	32.861	32.862	
Fines Collector 1	21.253		
Fines Collector 2	21.263		
Fines Collector 3	21.280	21.282	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Sample No: CIB-100423-T1-35
Sampling Date: 4/23/10
Analysis Date: 7/12/10

Container wt.: 6.156
Total wt.: 13.052
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.407	46.459	
20	43.300	43.308	
25	45.650	45.682	
30	43.336	43.437	
35	41.660	41.759	
40	39.703	39.789	
45	38.830	39.028	
50	39.149	39.546	
60	37.964	38.995	
70	36.081	37.433	
80	36.562	38.057	
100	34.400	35.316	
120	35.419	36.051	
140	34.743	35.090	
170	34.326	34.423	
200	33.085	33.118	
230	32.863	32.880	
Fines Collector 1	21.285		
Fines Collector 2	21.255		
Fines Collector 3	21.258	21.262	
Sum total			

Trench T2

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Sample No: CIB-100423-T 2-2
Sampling Date: 4/23/10
Analysis Date: 7/13/10

Container wt.: 6.150
Total wt.: 13.391
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.407	46.509	
20	43.291	43.308	
25	45.643	45.678	
30	43.354	43.393	
35	41.657	41.709	
40	39.696	39.755	
45	38.827	38.006	
50	39.146	39.631	
60	37.998	39.488	
70	36.151	37.962	
80	36.736	38.386	
100	34.493	35.136	
120	35.566	35.949	
140	34.770	34.984	
170	34.335	34.432	
200	33.088	33.119	
230	32.858	32.876	
Fines Collector 1	21.251		
Fines Collector 2	21.277		
Fines Collector 3	21.274	21.278	
Sum total			

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Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Sample No: CIB-100423-T2-4
Sampling Date: 4/23/10
Analysis Date: 7/13/10

Container wt.: 6.152
Total wt.: 12.061
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.415	46.476	
20	43.295	43.294	
25	45.652	45.661	
30	43.375	43.390	
35	41.672	41.679	
40	39.707	39.726	
45	38.834	38.925	
50	39.168	39.506	
60	37.890	39.099	
70	36.055	37.515	
80	36.534	37.716	
100	34.389	35.025	
120	35.450	35.811	
140	34.758	35.023	
170	34.332	34.474	
200	33.079	33.130	
230	32.857	32.873	
Fines Collector 1	21.271		
Fines Collector 2	21.261		
Fines Collector 3	21.255	21.259	
Sum total			

MOSTLY HEAVIES

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Sample No: CIB-100423-T 2-6
Sampling Date: 4/23/10
Analysis Date: 7/13/10

Container wt.: 6.147
Total wt.: 12.606
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.407	46.413	
20	43.287	43.294	
25	45.647	45.659	
30	43.351	43.375	
35	41.661	41.682	
40	39.703	39.725	
45	38.814	38.924	
50	39.112	39.489	
60	37.884	39.232	
70	35.994	37.705	
80	36.482	37.850	
100	34.392	35.109	
120	35.416	35.769	
140	34.760	34.948	
170	34.338	34.423	
200	33.086	33.116	
230	32.859	32.870	
Fines Collector 1	21.253		
Fines Collector 2	21.253		
Fines Collector 3	21.253	21.255	
Sum total			

MOSTLY HEAVIES

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Sample No: CIB-100423-T2-8
Sampling Date: 4/23/10
Analysis Date: 7/13/10

Container wt.: 6.148
Total wt.: 13.084
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.411	46.420	
20	43.294	43.292	
25	45.651	45.655	
30	43.354	43.365	
35	41.668	41.692	
40	39.701	39.739	
45	38.811	38.983	
50	39.095	39.579	
60	37.867	39.262	
70	35.979	37.652	
80	36.429	37.876	
100	34.362	35.225	
120	35.416	35.855	
140	34.752	34.981	
170	34.339	34.438	
200	33.086	33.123	
230	32.858	32.874	
Fines Collector 1	21.246		
Fines Collector 2	21.247		
Fines Collector 3	21.248	21.248	
Sum total			

MOSTLY HEAVIES

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

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Sample No: CIB-100423-T 2-10
Sampling Date: 4/23/10
Analysis Date: 7/13/10

Container wt.: 6.148
Total wt.: 11.192
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.415	46.421	
20	43.292	43.293	
25	45.653	45.658	
30	43.335	43.355	
35	41.664	41.695	
40	39.686	39.736	
45	38.809	39.049	
50	39.095	39.752	
60	37.865	39.238	
70	35.970	37.083	
80	36.423	37.221	
100	34.350	34.794	
120	35.421	35.643	
140	34.754	34.847	
170	34.337	34.364	
200	33.086	33.101	
230	32.859	32.866	
Fines Collector 1	21.247		
Fines Collector 2	21.241		
Fines Collector 3	21.243	21.241	
Sum total			

clearing marks

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

V

Sample No: CIB-100423-TZ-12
Sampling Date: 4/23/10
Analysis Date: 7/13/10

Container wt.: 6.145
Total wt.: 12.518
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.416	46.418	
20	43.288	43.293	
25	45.651	45.657	
30	43.348	43.352	
35	41.664	41.688	
40	39.698	39.775	
45	38.814	39.158	
50	39.109	39.970	
60	37.854	39.608	
70	35.962	37.412	
80	36.420	37.409	
100	34.357	34.838	
120	35.415	35.651	
140	34.750	34.826	
170	34.335	34.348	
200	33.088	33.080	
230	32.863	32.860	
Fines Collector 1	21.240		
Fines Collector 2	21.241		
Fines Collector 3	21.241	21.235	
Sum total			

NOT MANY HEAVIES

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Sample No: CIB-100423-T2-14
Sampling Date: 4/23/10
Analysis Date: 7/14/10

Container wt.: 6.148
Total wt.: 12.434
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.420	46.425	
20	43.294	43.298	
25	45.658	45.663	
30	43.347	43.362	
35	41.657	41.680	
40	39.697	39.724	
45	38.818	38.980	
50	39.106	39.561	
60	37.869	39.196	
70	35.970	37.582	
80	36.423	37.813	
100	34.361	35.157	
120	35.422	35.751	
140	34.760	34.864	
170	34.344	34.364	
200	33.095	33.101	
230	32.867	32.873	
Fines Collector 1	21.245		
Fines Collector 2	21.253		
Fines Collector 3	21.253	21.254	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Sample No: CIB-100423-TZ-16
Sampling Date: 4/23/10
Analysis Date: 7/14/10

Container wt.: 6.153
Total wt.: 14.802
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.420	46.427	
20	43.292	43.302	
25	45.659	45.676	
30	43.329	43.364	
35	41.669	41.738	
40	39.699	39.824	
45	38.823	39.216	
50	39.113	39.957	
60	37.869	39.837	
70	35.981	38.011	
80	36.431	38.114	
100	34.365	35.301	
120	35.426	35.819	
140	34.759	34.879	
170	34.342	34.366	
200	33.096	33.104	
230	32.868	32.875	
Fines Collector 1	21.249		
Fines Collector 2	21.254		
Fines Collector 3	21.258	21.758	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Sample No: CIB-100423-T2-18
Sampling Date: 4/23/10
Analysis Date: 7/14/10

Container wt.: 6.155
Total wt.: 11.748
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.429	46.440	
20	43.298	43.301	
25	45.665	45.671	
30	43.343	43.357	
35	41.673	41.711	
40	39.703	39.782	
45	38.823	39.084	
50	39.113	39.680	
60	37.876	39.211	
70	35.993	37.340	
80	36.422	37.504	
100	34.377	34.938	
120	35.427	35.652	
140	34.757	34.820	
170	34.342	34.356	
200	33.095	33.100	
230	32.869	32.874	
Fines Collector 1	21.254		
Fines Collector 2	21.251		
Fines Collector 3	21.249	21.251	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Sample No: CIB-100423-T2-20
Sampling Date: 4/23/10
Analysis Date: 7/14/10

Container wt.: 6.155
Total wt.: 13.221
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.426	46.426	
20	43.298	43.295	
25	45.665	45.665	
30	43.333	43.349	
35	41.659	41.693	
40	39.701	39.793	
45	38.820	39.268	
50	39.109	40.031	
60	37.870	39.560	
70	35.973	37.468	
80	36.444	37.617	
100	34.366	35.027	
120	35.424	35.733	
140	34.754	34.856	
170	34.341	34.355	
200	33.096	33.097	
230	32.870	32.880	
Fines Collector 1	21.248		
Fines Collector 2	21.241		
Fines Collector 3	21.239	21.242	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Sample No: CIB-100423-T2-22
Sampling Date: 4/23/10
Analysis Date: 7/14/10

Container wt.: 6.154
Total wt.: 13.885
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.421	46.437	
20	43.288	43.294	
25	45.657	45.665	
30	43.329	43.334	
35	41.656	41.663	
40	39.692	39.705	
45	38.817	38.901	
50	39.105	39.443	
60	37.863	39.122	
70	35.973	37.924	
80	36.422	38.456	
100	34.358	35.631	
120	35.403	35.981	
140	34.748	34.933	
170	34.332	34.376	
200	33.085	33.101	
230	32.860	32.870	
Fines Collector 1	21.239		
Fines Collector 2	21.238		
Fines Collector 3	21.236	21.240	
Sum total			

nicely
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Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T2-24
Sampling Date: 4/23/10
Analysis Date: 7/15/10

Container wt.: 6.150
Total wt.: 12.971
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.420	46.426	
20	43.290	43.293	
25	45.657	45.666	
30	43.323	43.354	
35	41.059	41.709	
40	39.693	39.788	
45	38.818	39.138	
50	39.101	39.655	
60	37.852	38.988	
70	35.980	37.340	
80	36.489	37.865	
100	34.362	35.414	
120	35.426	35.989	
140	34.754	34.959	
170	34.334	34.367	
200	33.089	33.098	
230	32.864	32.869	
Fines Collector 1	21.237		
Fines Collector 2	21.240		
Fines Collector 3	21.243	21.242	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

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Sample No: CIB-100423-T2-26
Sampling Date: 4/23/10
Analysis Date: 7/15/10

Container wt.: 6.145
Total wt.: 13.749
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.422	46.425	
20	43.289	43.291	
25	45.659	45.663	
30	43.327	43.351	
35	41.667	41.703	
40	39.701	39.768	
45	38.819	38.997	
50	39.106	39.447	
60	37.859	38.771	
70	35.983	37.461	
80	36.433	38.237	
100	34.366	35.815	
120	35.420	36.305	
140	34.751	35.104	
170	34.333	34.409	
200	33.088	33.112	
230	32.857	32.873	
Fines Collector 1	21.240		
Fines Collector 2	21.238		
Fines Collector 3	21.241	21.240	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-TZ-28
Sampling Date: 4/23/10
Analysis Date: 7/15/10

Container wt.: 6.149
Total wt.: 12.085
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.423	46.427	
20	43.288	43.295	
25	45.658	45.665	
30	43.337	43.339	
35	41.668	41.673	
40	39.702	39.707	
45	38.816	38.850	
50	39.105	39.271	
60	37.854	38.674	
70	35.977	37.402	
80	36.451	38.042	
100	34.368	35.446	
120	35.430	35.982	
140	34.153	34.959	
170	34.336	34.385	
200	33.089	33.103	
230	32.863	32.868	
Fines Collector 1	21.237		
Fines Collector 2	21.240		
Fines Collector 3	21.240	21.238	
Sum total			

MOSTLY HEAVIES

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T2-30
Sampling Date: 4/23/10
Analysis Date: 7/15/10

Container wt.: 6.152
Total wt.: 12.545
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.428	46.426	
20	43.294	43.293	
25	45.664	45.661	
30	43.337	43.345	
35	41.669	41.678	
40	39.698	39.714	
45	38.815	38.893	
50	39.100	39.319	
60	37.860	38.603	
70	35.975	37.282	
80	36.438	38.091	
100	34.370	35.632	
120	35.421	36.123	
140	34.752	35.027	
170	34.333	34.405	
200	33.084	33.114	
230	32.858	32.872	
Fines Collector 1	21.235		
Fines Collector 2	21.231		
Fines Collector 3	21.233	21.236	
Sum total			

Lot of heavies mostly here.

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-TZ-32
Sampling Date: 4/23/10
Analysis Date: 7/15/10

Container wt.: 6.152
Total wt.: 13.474
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.425	46.431	
20	43.287	43.296	
25	45.660	45.667	
30	43.332	43.347	
35	41.663	41.677	
40	39.688	39.714	
45	38.811	38.893	
50	39.092	39.293	
60	37.847	38.464	
70	35.974	37.177	
80	36.437	38.175	
100	34.369	36.022	
120	35.422	36.507	
140	34.755	35.255	
170	34.337	34.470	
200	33.088	33.133	
230	32.859	32.881	
Fines Collector 1	21.232		
Fines Collector 2	21.232		
Fines Collector 3	21.230	21.237	
Sum total			

mostly fines

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T2-34
Sampling Date: 4/23/10
Analysis Date: 7/15/10

Container wt.: 6.153
Total wt.: 13.172
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.424	46.440	
20	43.289	43.292	
25	45.660	45.660	
30	43.333	43.341	
35	41.665	41.675	
40	39.692	39.705	
45	38.811	38.859	
50	39.095	39.244	
60	37.847	38.427	
70	35.971	37.140	
80	36.448	38.111	
100	34.395	35.883	
120	35.449	36.516	
140	34.758	35.345	
170	34.336	34.509	
200	33.086	33.146	
230	32.859	32.886	
Fines Collector 1	21.232		
Fines Collector 2	21.226		
Fines Collector 3	21.228	21.233	
Sum total			

mostly clear

Trench T3

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-2
Sampling Date: 4/23/10
Analysis Date: 7/16/10

Container wt.: 6.150
Total wt.: 12.114
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.426	46.445	
20	43.286	43.296	
25	45.681	45.672	
30	43.339	43.346	
35	41.670	41.677	
40	39.696	39.713	
45	38.818	38.899	
50	39.092	39.459	
60	37.859	39.229	
70	35.970	37.592	
80	36.442	37.663	
100	34.387	35.108	
120	35.448	35.828	
140	34.763	34.886	
170	34.340	34.357	
200	33.094	33.097	
230	32.864	32.865	
Fines Collector 1	21.240		
Fines Collector 2	21.237		
Fines Collector 3	21.239	21.239	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T 3-4
Sampling Date: 4/23/10
Analysis Date: 7/16/10

Container wt.: 6.152
Total wt.: 12.910
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.425	46.598	
20	43.291	43.300	
25	45.661	45.681	
30	43.340	43.350	
35	41.680	41.687	
40	39.697	39.710	
45	38.818	38.900	
50	39.095	39.452	
60	37.855	39.026	
70	35.976	37.463	
80	36.443	37.796	
100	34.381	35.371	
120	35.429	36.142	
140	34.764	35.085	
170	34.333	34.391	
200	33.087	33.102	
230	32.862	32.872	
Fines Collector 1	21.236		
Fines Collector 2	21.236		
Fines Collector 3	21.236	21.240	
Sum total			

2/3 clumps

Courtesy of Lewis

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

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Sample No: CIB-100423-T3-6
Sampling Date: 4/23/10
Analysis Date: 7/16/10

Container wt.: 6.148
Total wt.: 13.655
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.424	46.523	
20	43.285	43.302	
25	45.661	45.685	
30	43.343	43.351	
35	41.669	41.686	
40	39.693	39.721	
45	38.817	38.898	
50	39.102	39.345	
60	37.869	38.701	
70	35.985	37.202	
80	36.481	37.875	
100	34.404	35.704	
120	35.456	36.802	
140	34.768	35.508	
170	34.341	34.469	
200	33.091	33.110	
230	32.862	32.873	
Fines Collector 1	21.239		
Fines Collector 2	21.232		
Fines Collector 3	21.235	21.240	
Sum total			

clumps!

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T3-8
Sampling Date: 4/23/10
Analysis Date: 7/16/10

Container wt.: 6.148
Total wt.: 12.422
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.425	46.519	
20	43.287	43.305	
25	45.665	45.689	
30	43.343	43.348	
35	41.670	41.689	
40	39.694	39.725	
45	38.816	38.886	
50	39.099	39.296	
60	37.861	38.568	
70	35.983	37.023	
80	36.463	37.673	
100	34.402	35.483	
120	35.495	36.605	
140	34.772	35.333	
170	34.339	34.435	
200	33.088	33.103	
230	32.863	32.869	
Fines Collector 1	21.233		
Fines Collector 2	21.237		
Fines Collector 3	21.237	21.236	
Sum total			

Always

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T3-10
Sampling Date: 4/23/10
Analysis Date: 7/16/10

Container wt.: 6.151
Total wt.: 14.844
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.423	46.468	
20	43.285	43.311	
25	45.662	45.704	
30	43.341	43.373	
35	41.669	41.753	
40	39.693	39.775	
45	38.816	38.999	
50	39.095	39.456	
60	37.861	38.918	
70	35.979	37.496	
80	36.465	38.207	
100	34.406	35.918	
120	35.507	36.755	
140	34.766	35.385	
170	34.334	34.448	
200	33.085	33.111	
230	32.862	32.872	
Fines Collector 1	21.234		
Fines Collector 2	21.230		
Fines Collector 3	21.230	21.232	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T 3-12
Sampling Date: 4/23/10
Analysis Date: 7/15/10

Container wt.: 6.153
Total wt.: 12.801
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.420	46.445	
20	43.288	43.318	
25	45.667	45.691	
30	43.329	43.351	
35	41.665	41.722	
40	39.691	39.763	
45	38.812	39.020	
50	39.095	39.576	
60	37.859	39.134	
70	35.978	37.534	
80	36.482	37.853	
100	34.418	35.249	
120	35.511	35.955	
140	34.773	34.977	
170	34.337	34.389	
200	33.088	33.106	
230	32.864	32.867	
Fines Collector 1	21.232		
Fines Collector 2	21.226		
Fines Collector 3	21.229	21.230	
Sum total			

1/2 beaucoup
with beaucoup

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T3-14
Sampling Date: 4/23/10
Analysis Date: 7/17/10

Container wt.: 6.150
Total wt.: 14.899
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.392	46.420	
20	43.285	43.298	
25	45.638	45.665	
30	43.284	43.318	
35	41.629	41.691	
40	39.687	39.773	
45	38.802	39.052	
50	39.080	39.496	
60	37.812	39.302	
70	35.943	38.212	
80	36.382	38.409	
100	34.335	35.506	
120	35.407	35.961	
140	34.740	34.984	
170	34.327	34.381	
200	33.083	33.095	
230	32.863	32.868	
Fines Collector 1	21.236		
Fines Collector 2	21.237		
Fines Collector 3	21.242	21.241	
Sum total			

Leigh Reavies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T3-16
Sampling Date: 4/23/10
Analysis Date: 7/12/10

Container wt.: 6.151
Total wt.: 12,816
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.410	46.417	
20	43.291	43.299	
25	45.647	45.655	
30	43.302	43.328	
35	41.636	41.089	
40	39.697	39.781	
45	38.843	39.089	
50	39.091	39.530	
60	37.859	38.948	
70	35.983	37.391	
80	36.411	37.784	
100	34.358	35.354	
120	35.416	35.995	
140	34.754	35.026	
170	34.335	34.391	
200	33.081	33.098	
230	32.858	32.870	
Fines Collector 1	21.232		
Fines Collector 2	21.231		
Fines Collector 3	21.233	21.238	
Sum total			

mainly meanders

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T 3-18
Sampling Date: 4/23/10
Analysis Date: 4/17/10

Container wt.: 6.151
Total wt.: 11.772
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.412	46.446	
20	43.289	43.300	
25	45.650	45.662	
30	43.307	43.326	
35	41.645	41.679	
40	39.702	39.745	
45	38.846	38.009	
50	39.400	39.370	
60	37.850	38.523	
70	35.978	36.939	
80	36.429	37.590	
100	34.365	35.403	
120	35.425	36.155	
140	34.756	35.123	
170	34.340	34.405	
200	33.082	33.099	
230	32.865	32.871	
Fines Collector 1	21.235		
Fines Collector 2	21.233		
Fines Collector 3	21.232	21.235	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

✓

Sample No: CIB-100423-T 3-20
Sampling Date: 4/23/10
Analysis Date: 7/17/10

Container wt.: 6.152
Total wt.: ~~12.546~~ 12.546
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.415	46.433	
20	43.291	43.298	
25	45.653	45.664	
30	43.308	43.317	
35	~~4~~1.645	41.667	
40	39.700	39.738	
45	38.857	38.998	
50	38.103	39.374	
60	37.861	38.585	
70	35.989	37.185	
80	36.426	37.983	
100	34.358	35.710	
120	35.424	36.167	
140	34.760	35.029	
170	34.337	34.385	
200	33.081	33.096	
230	32.863	32.871	
Fines Collector 1	21.231		
Fines Collector 2	21.230		
Fines Collector 3	21.233	21.233	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T 3-22
Sampling Date: 4/23/10
Analysis Date: 7/17/10

Container wt.: 6.157
Total wt.: 14.424
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.431	46.451	
20	43.289	43.298	
25	45.656	45.669	
30	43.312	43.319	
35	41.648	41.662	
40	39.703	39.721	
45	38.868	38.955	
50	39.099	39.330	
60	37.857	38.815	
70	35.984	37.892	
80	36.435	38.761	
100	34.371	35.986	
120	35.429	36.160	
140	34.760	35.027	
170	34.339	34.396	
200	33.081	33.097	
230	32.862	32.870	
Fines Collector 1	21.229		
Fines Collector 2	21.225		
Fines Collector 3	21.226	21.233	
Sum total			

heavies!

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

lots of shell fragments

Sample No: CIB-100423-T 3-24
Sampling Date: 4/23/16
Analysis Date: 7/16/16

Container wt.: 6.152
Total wt.: 11.183
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.428	46.584	
20	43.289	43.308	
25	45.655	45.692	
30	43.307	43.333	
35	41.641	41.698	
40	39.695	39.767	
45	38.859	39.063	
50	39.098	39.499	
60	37.850	38.852	
70	35.988	37.193	
80	36.433	37.416	
100	34.374	34.929	
120	35.433	35.680	
140	34.759	34.848	
170	34.337	34.353	
200	33.080	33.085	
230	32.863	32.865	
Fines Collector 1	21.226		
Fines Collector 2	21.226		
Fines Collector 3	21.226	21.225	
Sum total			

lt caries

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Lots of shell fragments

Sample No: CIB-100423-T 3-26
Sampling Date: 4/23/10
Analysis Date: 7/17/10

Container wt.: 6.154
Total wt.: 14.573
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.435	46.723	
20	43.297	43.352	
25	45.661	45.776	
30	43.311	43.439	
35	41.646	41.964	
40	39.698	40.020	
45	38.854	39.543	
50	39.105	40.077	
60	37.860	39.709	
70	35.978	37.692	
80	36.417	37.514	
100	34.356	34.857	
120	35.425	35.608	
140	34.751	34.820	
170	34.328	34.348	
200	33.072	33.079	
230	32.854	32.859	
Fines Collector 1	21.217		
Fines Collector 2	21.218		
Fines Collector 3	21.216	21.221	
Sum total			

Heavies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

✓

(otoliths/shell fragments)

Sample No: CIB-100423-T 3-25
Sampling Date: 4/23/10
Analysis Date: 7/17/10

Container wt.: 6.140
Total wt.: 12.311
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.426	46.795	
20	43.286	43.381	
25	45.647	45.876	
30	43.305	43.573	
35	41.645	42.248	
40	39.701	40.174	
45	38.846	39.550	
50	39.107	39.841	
60	37.859	38.966	
70	35.980	36.787	
80	36.423	36.888	
100	34.359	34.552	
120	35.415	35.488	
140	34.748	34.774	
170	34.326	34.335	
200	33.081	33.074	
230	32.857	32.854	
Fines Collector 1	21.215		
Fines Collector 2	21.217		
Fines Collector 3	21.214	21.217	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

considerably shell/grav

Sample No: CIB-100423-T3-30
Sampling Date: 4/23/10
Analysis Date: 7/16/10

Container wt.: 6.144
Total wt.: 12.3624
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.482	46.630	
20	43.282	43.352	
25	45.656	45.852	
30	43.312	43.587	
35	41.644	42.274	
40	39.703	40.235	
45	38.842	39.717	
50	39.100	39.956	
60	37.848	38.977	
70	35.978	36.738	
80	36.413	36.849	
100	34.352	34.528	
120	35.410	35.475	
140	34.745	34.769	
170	34.325	34.336	
200	33.071	33.077	
230	32.852	32.858	
Fines Collector 1	21.212		
Fines Collector 2	21.214		
Fines Collector 3	21.216	21.215	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-100423-T 3-32
Sampling Date: 4/23/10
Analysis Date: 7/19/10

Container wt.: 6.148
Total wt.: 12.411
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.430	46.432	
20	43.293	43.300	
25	45.663	45.674	
30	43.314	43.337	
35	41.658	41.781	
40	39.716	39.927	
45	38.857	39.507	
50	39.109	40.198	
60	37.871	39.587	
70	35.983	37.265	
80	36.421	37.121	
100	34.357	34.628	
120	35.421	35.515	
140	34.757	34.796	
170	34.337	34.353	
200	33.078	33.090	
230	32.864	32.866	
Fines Collector 1	21.235		
Fines Collector 2	21.232		
Fines Collector 3	21.233	21.237	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-100423-TS-34
Sampling Date: 4/23/10
Analysis Date: 7/19/10

Container wt.: 6.147
Total wt.: 13.771
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.427	46.462	
20	43.288	43.292	
25	45.668	45.667	
30	~~43.317~~	43.321	
35	41.651	41.675	
40	39.711	39.780	
45	38.844	39.194	
50	39.113	40.010	
60	37.859	39.947	
70	35.973	38.011	
80	36.420	37.696	
100	34.357	34.908	
120	35.417	35.606	
140	34.756	34.825	
170	34.338	34.364	
200	33.082	33.092	
230	32.865	32.868	
Fines Collector 1	21.228		
Fines Collector 2	21.229		
Fines Collector 3	21.229	21.233	
Sum total			

heavies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Sample No: CIB-100423-T 3-36
Sampling Date: 4/23/10
Analysis Date: 7/19/10

Container wt.: 6.150
Total wt.: 12.895
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.434	46.436	
20	43.294	43.293	
25	45.662	45.666	
30	43.314	43.318	
35	41.651	41.655	
40	39.708	39.731	
45	38.842	38.975	
50	39.117	39.624	
60	37.855	39.588	
70	35.979	38.137	
80	36.428	37.869	
100	34.359	34.899	
120	35.416	35.525	
140	34.751	34.800	
170	34.334	34.352	
200	33.078	33.087	
230	32.858	32.866	
Fines Collector 1	21.228		
Fines Collector 2	21.228		
Fines Collector 3	21.227	21.231	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-100423-T3-38
Sampling Date: 4/23/16
Analysis Date: 7/19/16

Container wt.: 6.148
Total wt.: 16.960
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.433	46.436	
20	43.288	43.295	
25	45.664	45.668	
30	43311	43.318	
35	41.642	41.655	
40	39.701	39.711	
45	38.833	38.898	
50	39.114	39.426	
60	37.856	39.438	
70	35.995	38.840	
80	36.428	39.220	
100	34.347	35.978	
120	35.419	36.229	
140	34.750	35.163	
170	34.338	34.490	
200	33.076	33.123	
230	32.858	32.874	
Fines Collector 1	21.226		
Fines Collector 2	21.226		
Fines Collector 3	21.226	21.229	
Sum total			

increasing bearish

mostly bearish

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

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Sample No: CIB-100423-T 3-40 Container wt.: 6.150
Sampling Date: 4/23/10 Total wt.: 15.834
Analysis Date: 7/19/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.431	46.431	
20	43.289	43.293	
25	45.661	45.664	
30	43.310	43.313	
35	41.645	41.656	
40	39.698	39.723	
45	38.831	38.954	
50	39.105	39.563	
60	37.852	39.489	
70	36.005	38.237	
80	36.421	38.386	
100	34.362	35.705	
120	35.418	36.296	
140	34.753	35.351	
170	34.333	34.613	
200	33.077	33.159	
230	32.857	32.888	
Fines Collector 1	21.223		
Fines Collector 2	21.218		
Fines Collector 3	21.220	21.237	
Sum total			

considerably heavier increasing ~50% mostly >

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-100423-T3-42
Sampling Date: 4/23/10
Analysis Date: 7/20/10

Container wt.: 6.150
Total wt.: 11.919
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.438	46.459	
20	43.295	43.311	
25	45.667	45.700	
30	43.314	43.332	
35	41.651	41.694	
40	39.706	39.752	
45	38.836	38.979	
50	39.183	39.493	
60	37.863	39.121	
70	35.992	37.477	
80	36.459	37.567	
100	34.372	34.964	
120	35.437	35.768	
140	34.766	34.953	
170	34.348	34.478	
200	33.093	33.125	
230	32.871	32.894	
Fines Collector 1	21.235		
Fines Collector 2	21.244		
Fines Collector 3	21.245	21.275	
Sum total			

chunks still

heavies 7/20

"all" heavies

Trench T4

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : 1

sample appears somewhat wet. clumps together

Sample No: CIB-100423-T4-2
Sampling Date: 4/23/10
Analysis Date: 7/20/10

Container wt.: 6.154
Total wt.: 13.318
Sample wt.:

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.436	46.463	
20	43.296	43.322	
25	45.669	45.701	
30	43.313	43.355	
35	41.652	41.673	
40	39.709	39.726	
45	38.843	38.880	
50	39.115	39.211	
60	37.883	38.424	
70	36.020	37.297	
80	36.477	38.167	
100	34.380	35.713	
120	35.432	36.626	
140	34.768	35.435	
170	34.353	34.462	
200	33.097	33.114	
230	32.872	32.880	
Fines Collector 1	21.246		
Fines Collector 2	21.247		
Fines Collector 3	21.244	21.246	
Sum total			

mostly fractures

some stuck to fines bottom, no sticking

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

✓

Sample No: CIB-100423-T 4-4
Sampling Date: 4/23/10
Analysis Date: 7/20/10

Container wt.: 6.158
Total wt.: 13.966
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.449	46.457	
20	43.308	43.307	
25	45.683	45.689	
30	43.335	43.352	
35	41.663	41.705	
40	39.712	39.771	
45	38.848	38.979	
50	39.114	39.340	
60	37.880	38.589	
70	36.048	37.414	
80	36.471	38.244	
100	34.372	35.915	
120	35.473	36.627	
140	34.779	35.374	
170	34.353	34.489	
200	33.091	33.132	
230	32.880	32.887	
Fines Collector 1	21.238		
Fines Collector 2	21.238		
Fines Collector 3	21.240	21.240	
Sum total			

increasing

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-100423-T4-6
Sampling Date: 4/23/10
Analysis Date: 7/20/10

Container wt.: 6.155
Total wt.: 13.458
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight	
18	46.459	46.454		
20	43.305	43.305		
25	45.677	45.698		
30	43.334	43.365		
35	41.662	41.778		shell chips
40	39.713	39.876		
45	38.845	39.269		
50	39.112	39.820		
60	37.866	39.111		
70	36.029	37.304		
80	36.476	37.684		
100	34.406	35.385		
120	35.491	36.169		
140	34.775	35.112		increasing fine mostly
170	34.354	34.431		
200	33.093	33.116		
230	32.869	32.877		
Fines Collector 1	21.234			
Fines Collector 2	21.233			
Fines Collector 3	21.233	21.233		
Sum total				

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-100423-T4-8
Sampling Date: 4/23/10
Analysis Date: 7/20/10

Container wt.: 6.158
Total wt.: 13.189
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.449	46.461	
20	43.304	43.307	
25	45.674	45.691	
30	43.331	43.387	
35	41.666	41.863	
40	39.700	40.008	
45	38.843	39.589	
50	39.117	40.082	
60	37.863	39.363	
70	36.007	37.205	
80	36.460	37.370	
100	34.386	34.970	
120	35.460	35.772	
140	34.768	34.885	
170	34.353	34.370	
200	33.081	33.098	
230	32.868	32.872	
Fines Collector 1	21.231		
Fines Collector 2	21.229		
Fines Collector 3	21.231	21.234	
Sum total			

shell frags

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-100423-T4-10
Sampling Date: 4/23/10
Analysis Date: 7/20/10

Container wt.: 6.156
Total wt.: 12.570
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.445	46.446	
20	43.299	43.307	
25	45.671	45.676	
30	43.331	43.344	
35	41.671	41.724	
40	39.719	39.828	
45	38.859	39.218	
50	39.120	39.784	
60	37.865	39.125	
70	35.994	37.284	
80	36.438	37.579	
100	34.375	35.180	
120	35.480	35.919	
140	34.765	34.979	heavies ↑
170	34.350	34.377	
200	33.086	33.097	
230	32.865	32.869	
Fines Collector 1	21.230		
Fines Collector 2	21.225		
Fines Collector 3	21.225	21.229	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-100423-T4-12
Sampling Date: 4/23/10
Analysis Date: 7/22/10

Container wt.: 6.148
Total wt.: 13.226
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.443	46.444	
20	43.298	43.298	
25	45.668	45.675	
30	43.320	43.326	
35	41.658	41.673	
40	39.704	39.729	
45	38.845	38.920	
50	39.102	39.326	
60	37.860	38.626	
70	35.989	37.254	
80	36.430	37.947	
100	34.370	35.772	
120	35.435	36.467	
140	34.759	35.330	
170	34.343	34.490	
200	33.084	33.130	
230	32.886	32.880	
Fines Collector 1	21.231		
Fines Collector 2	21.228		
Fines Collector 3	21.230	21.236	
Sum total			

heaviest

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-100423-T4-14
Sampling Date: 4/23/10
Analysis Date: 7/22/10

Container wt.: 6.147
Total wt.: 13.4[illegible]6
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.443	46.446	
20	43.293	43.295	
25	45.667	45.670	
30	43.321	43.320	
35	41.659	41.660	
40	39.709	39.719	
45	38.845	38.888	
50	39.114	39.273	
60	37.869	38.662	
70	36.003	37.587	
80	36.446	38.226	
100	34.392	35.680	
120	35.458	36.303	
140	34.763	35.294	
170	34.346	34.479	
200	33.087	33.112	
230	32.862	32.871	
Fines Collector 1	21.227		
Fines Collector 2	21.230		
Fines Collector 3	21.226	21.235	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-100423-T4-16
Sampling Date: 4/23/10
Analysis Date: 7/22/10

Container wt.: 6.148
Total wt.: 12.840
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.440	46.452	
20	43.290	43.299	
25	45.665	45.681	
30	43.318	43.336	
35	41.653	41.703	
40	39.704	39.751	
45	38.836	38.953	
50	39.108	39.287	
60	37.856	38.315	
70	35.994	36.901	
80	36.457	37.815	
100	34.391	35.694	
120	35.456	36.573	
140	34.767	35.553	
170	34.347	34.551	
200	33.086	33.132	
230	32.861	32.883	
Fines Collector 1	21.226		
Fines Collector 2	21.223		
Fines Collector 3	21.221	21.231	
Sum total			

heavies +

heavies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-100423-T4-18
Sampling Date: 4/23/10
Analysis Date: 7/22/10

Container wt.: 6.147
Total wt.: 14.015
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.443	46.556	
20	43.293	43.331	
25	45.664	45.719	
30	43.312	43.420	
35	41.653	41.929	
40	39.702	40.042	
45	38.831	39.592	
50	39.108	40.097	
60	37.853	39.323	
70	35.995	37.203	
80	36.451	37.392	
100	34.382	35.014	
120	35.481	35.953	
140	34.180	35.078	
170	34.351	34.424	
200	33.085	33.101	
230	32.880	32.890	
Fines Collector 1	21.219		
Fines Collector 2	21.218		
Fines Collector 3	21.221	21.224	
Sum total			

shell frag

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: CIB-100423-T4-20
Sampling Date: 4/23/10
Analysis Date: 7/22/10

Container wt.: 6.144
Total wt.: 12.272
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.492	46.507	
20	43.294	43.298	
25	45.667	45.699	
30	43.315	43.345	
35	41.654	41.702	
40	39.705	39.875	
45	38.838	39.259	
50	39.120	39.789	
60	37.864	38.982	
70	35.992	37.053	
80	36.440	37.358	
100	34.369	35.050	
120	35.450	35.950	
140	34.764	35.065	
170	34.345	34.411	
200	33.083	33.093	
230	32.859	32.863	
Fines Collector 1	21.223		
Fines Collector 2	21.221		
Fines Collector 3	21.217	21.225	
Sum total			

(3) shell fragments

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T4-22
Sampling Date: 4/23/10
Analysis Date: 7/22/10

Container wt.: 6.150
Total wt.: 10.396
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.443	46.452	
20	43.293	43.304	
25	45.665	45.689	
30	43.314	43.335	
35	41.652	41.718	
40	39.704	39.799	
45	38.835	39.053	
50	39.108	39.475	
60	37.858	38.579	
70	35.987	36.759	
80	36.449	37.165	
100	34.367	34.881	
120	35.448	35.842	
140	34.768	35.016	
170	34.345	34.399	
200	33.085	33.094	
230	32.858	32.864	
Fines Collector 1	21.220		
Fines Collector 2	21.217		
Fines Collector 3	21.219	21.219	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T4-24
Sampling Date: 4/23/10
Analysis Date: 7/22/10

Container wt.: 6.150
Total wt.: 11.791
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.441	46.448	
20	43.289	43.294	
25	45.664	45.671	
30	43.315	43.322	
35	41.655	41.672	
40	39.703	39.734	
45	38.832	38.936	
50	39.112	39.377	
60	37.855	38.583	
70	35.985	39.861 Δ to 36.961	
80	36.442	37.413	
100	34.362	35.146	
120	35.442	36.155	
140	34.763	35.417	
170	34.341	34.603	
200	33.079	33.164	
230	32.859	32.901	
Fines Collector 1	21.219		
Fines Collector 2	21.216		
Fines Collector 3	21.216	21.229	
Sum total			

duplicate ?

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T4-26
Sampling Date: 4/23/10
Analysis Date: 7/23/10

Container wt.: 6.147
Total wt.: 11.864
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.443	46.450	
20	43.294	43.304	
25	45.668	45.681	
30	43.320	43.331	
35	41.659	41.700	
40	39.708	39.789	
45	38.834	39.212	
50	39.114	39.942	
60	37.861	39.405	
70	35.990	37.363	
80	36.449	37.331	
100	34.376	34.739	
120	35.454	35.598	
140	34.781	34.844	
170	34.360	34.376	
200	33.093	33.102	
230	32.865	32.870	
Fines Collector 1	21.230		
Fines Collector 2	21.229		
Fines Collector 3	21.230	21.233	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : ✓

Sample No: CIB-100423-T 1-28
Sampling Date: 4/23/10
Analysis Date: 7/23/10

Container wt.: 6.154
Total wt.: 13.093
Sample wt.:

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.449	46.454	
20	43.298	43.304	
25	45.675	45.682	
30	43.322	43.334	
35	41.682	41.681	
40	39.711	39.772	
45	38.837	39.194	
50	39.128	39.965	
60	37.866	39.586	
70	35.995	37.607	
80	36.456	37.627	
100	34.378	35.026	
120	35.447	35.761	
140	34.774	34.908	
170	34.354	34.396	
200	33.093	33.108	
230	32.866	32.878	
Fines Collector 1	21.230		
Fines Collector 2	21.229		
Fines Collector 3	21.232	21.236	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T 4-30
Sampling Date: 4/23/10
Analysis Date: 7/23/10

Container wt.: 6.156
Total wt.: 12.774
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.451	46.450	
20	43.301	43.303	
25	45.677	45.680	
30	43.332	43.328	
35	41.665	41.667	
40	39.713	39.729	
45	38.842	38.926	
50	39.128	39.380	
60	37.872	38.663	
70	36.000	37.264	
80	36.458	37.915	
100	34.376	35.602	
120	35.447	36.290	
140	34.774	35.213	
170	34.358	34.469	
200	33.095	33.126	
230	32.870	32.889	
Fines Collector 1	21.230		
Fines Collector 2	21.226		
Fines Collector 3	21.226	21.249	
Sum total			

increasing

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T4-32
Sampling Date: 4/23/10
Analysis Date: 7/23/10

Container wt.: 6.156
Total wt.: 12.243
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.448	46.462	
20	43.295	43.299	
25	45.674	45.689	
30	43.326	43.332	
35	41.662	41.682	
40	39.708	39.740	
45	38.836	38.961	
50	39.123	39.438	
60	37.867	38.828	
70	36.004	37.378	
80	36.462	37.813	
100	34.388	35.270	
120	35.447	35.948	
140	34.768	35.073	
170	34.349	34.461	
200	33.089	33.116	
230	32.864	32.878	
Fines Collector 1	21.226		
Fines Collector 2	21.224		
Fines Collector 3	21.224	21.234	
Sum total			

D. Garrison

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T4-34
Sampling Date: 4/23/10
Analysis Date: 7/23/10

Container wt.: 6,157
Total wt.: 11.846
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.445	46.461	
20	43.297	43.301	
25	45.674	45.688	
30	43.323	43.335	
35	41.658	41.699	
40	39.707	39.775	
45	38.834	39.032	
50	39.115	39.553	
60	37.861	38.980	
70	35.997	37.395	
80	36.458	37.712	
100	34.380	35.058	
120	35.448	35.966	
140	34.766	34.864	
170	34.348	34.375	
200	33.080	33.095	
230	32.860	32.867	
Fines Collector 1	21.223		
Fines Collector 2	21.218		
Fines Collector 3	21.218	21.228	
Sum total			

heavies +
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Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T4-36
Sampling Date: 4/23/10
Analysis Date: 7/23/10

Container wt.: 6.155
Total wt.: 11.932
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.443	46.459	
20	43.292	43.319	
25	45.671	45.725	
30	43316	43.363	
35	41.654	41.797	
40	39.704	39.884	
45	38.834	39.340	
50	39.110	39.956	
60	37.865	39.446	
70	35.994	37.276	
80	36.459	37.143	
100	34.373	34.621	
120	35.439	35.521	
140	34.765	34.799	
170	34.344	34.354	
200	33.087	33.094	
230	32.861	32.867	
Fines Collector 1	21.222		
Fines Collector 2	21.219		
Fines Collector 3	21.221	21.225	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

lots of visible shell frags

Sample No: CIB-100423-T4-38
Sampling Date: 4/23/10
Analysis Date: 7/25/10

Container wt.: 6.149
Total wt.: 12.580
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.443	46.481	
20	43.292	43.325	
25	45.673	45.749	
30	43.320	43.391	
35	41.653	41.815	
40	39.704	39.903	
45	38.834	39.291	
50	39.120	39.832	
60	37.866	39.218	
70	35.992	37.316	
80	36.452	37.449	
100	34.366	34.929	
120	35.441	35.721	
140	34.761	34.895	
170	34.344	34.382	
200	33.084	33.106	
230	32.860	32.877	
Fines Collector 1	21.226		
Fines Collector 2	21.222		
Fines Collector 3	21.228	21.240	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

visible shell frags ✓

Sample No: CIB-100423-T4-40
Sampling Date: 4/23/10
Analysis Date: 7/25/10

Container wt.: 6.151
Total wt.: 12.263
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.437	46.534	
20	43.290	43.339	
25	45.671	45.806	
30	43.324	43.483	
35	41.662	42.010	
40	39.711	40.006	
45	38.870	39.271	
50	39.131	39.645	
60	37.884	38.793	
70	36.005	37.017	
80	36.456	37.387	
100	34.376	35.001	
120	35.450	35.825	
140	34.772	34.955	
170	34.351	34.405	
200	33.093	33.112	
230	32.870	32.883	
Fines Collector 1	21.230		
Fines Collector 2	21.230		
Fines Collector 3	21.230	21.242	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

shellfrags ✓

Sample No: CIB-100423-T4-42
Sampling Date: 4/23/10
Analysis Date: 7/25/10

Container wt.: 6.157
Total wt.: 14.249
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.447	46.613	
20	43.297	43.378	
25	45.684	45.874	
30	43.329	43.495	
35	41.668	42.048	
40	39.716	40.011	
45	38.843	39.274	
50	39.128	39.663	
60	37.879	38.902	
70	36.010	37.302	
80	36.478	37.820	
100	34.388	35.366	
120	35.462	36.079	
140	34.775	35.109	
170	34.354	34.463	
200	33.095	33.141	
230	32.869	32.903	
Fines Collector 1	21.232		
Fines Collector 2	21.230		
Fines Collector 3	21.227	21.264	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

fewer shell fragments than last sample ✓

Sample No: CIB-100423-T 4-44
Sampling Date: 4/23/10
Analysis Date: 7/25/10

Container wt.: 6.158
Total wt.: 14.079
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.452	46.649	
20	43.302	43.415	
25	45.681	45.892	
30	43.328	43.447	
35	41.667	41.914	
40	39.712	39.938	
45	38.841	39.227	
50	39.131	39.630	
60	37.878	38.903	
70	36.015	37.352	
80	36.495	38.030	
100	34.400	35.359	
120	35.463	36.058	
140	34.779	35.070	
170	34.354	34.447	
200	33.093	33.132	
230	32.869	32.898	
Fines Collector 1	21.228		
Fines Collector 2	21.229		
Fines Collector 3	21.230	21.250	
Sum total			

Trench T5

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

✓

Sample No: CIB-100423-T5-2
Sampling Date: 4/23/10
Analysis Date: 7/26/10

Container wt.: 6.149
Total wt.: 11.419
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.395	46.427	
20	43.283	43.301	
25	45.646	45.669	
30	43.285	43.308	
35	41.622	41.669	
40	39.696	39.731	
45	38.810	38.932	
50	39.100	39.345	
60	37.824	38.558	
70	35.967	37.025	
80	36.405	37.531	
100	34.356	35.164	
120	35.435	35.982	
140	34.755	35.122	
170	34.340	34.454	
200	33.095	33.122	
230	32.867	32.879	
Fines Collector 1	21.232		
Fines Collector 2	21.239		
Fines Collector 3	21.227	21.231	
Sum total			

duplicate ↓

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-4
Sampling Date: 4/23/10
Analysis Date: 7/26/10

Container wt.: 6.150
Total wt.: 12.[illegible]294
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.395	46.415	
20	43.282	43.294	
25	45.644	45.663	
30	43.282	43.299	
35	41.628	41.645	
40	39.697	39.717	
45	38.820	38.951	
50	39.101	39.494	
60	37.843	39.054	
70	35.968	37.503	
80	36.429	37.781	
100	34.358	35.129	
120	35.137	35.825	
140	34.763	34.954	
170	34.334	34.376	
200	33.089	33.096	
230	32.863	32.866	
Fines Collector 1	21.227		
Fines Collector 2	21.225		
Fines Collector 3	21.225	21.224	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : ✓

Sample No: CIB-100423-TS-6
Sampling Date: 4/23/10
Analysis Date: 7/26/10

Container wt.: 6.152
Total wt.: 12.643
Sample wt.:

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.403	46.450	
20	43.285	43.294	
25	45.655	45.668	
30	43.297	43.310	
35	41.629	41.668	
40	39.697	39.776	
45	38.825	39.118	
50	39.112	39.808	
60	37.850	39.385	
70	35.973	37.484	
80	36.424	37.571	
100	34.359	34.950	
120	35.430	35.728	
140	34.754	34.907	
170	34.330	34.369	
200	33.083	33.092	
230	32.860	32.861	
Fines Collector 1	21.223		
Fines Collector 2	21.223		
Fines Collector 3	21.218	21.218	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-8
Sampling Date: 4/23/10
Analysis Date: 7/26/10

Container wt.: 6,150
Total wt.: 12.375
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.425	46.445	
20	43.279	43.292	
25	45.654	45.667	
30	43.300	43.319	
35	41.628	41.645	
40	39.696	39.726	
45	38.821	38.928	
50	39.114	39.424	
60	37.847	38.828	
70	35.973	37.368	
80	36.416	37.778	
100	34.352	35.202	
120	35.427	36.018	
140	34.756	35.149	
170	34.327	34.460	
200	33.079	33.131	
230	32.856	32.880	
Fines Collector 1	21.218		
Fines Collector 2	21.216		
Fines Collector 3	21.223	21.225	
Sum total			

leaves +

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-10
Sampling Date: 4/23/10
Analysis Date: 7/26/10

Container wt.: 6.148
Total wt.: 13.043
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.431	46.451	
20	43.281	43.290	
25	45.661	45.672	
30	43.311	43.329	
35	41.635	41.659	
40	39.703	39.734	
45	38.823	38.923	
50	39.113	39.397	
60	37.857	38.807	
70	35.978	37.391	
80	36.428	37.835	
100	34.364	35.379	
120	35.436	36.207	
140	34.768	35.296	
170	34.335	34.523	
200	33.086	33.152	
230	32.862	32.893	
Fines Collector 1	21.221		
Fines Collector 2	21.220		
Fines Collector 3	21.218	21.224	
Sum total			

heaviest
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Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-12
Sampling Date: 4/23/10
Analysis Date: 7/26/10

Container wt.: 6.152
Total wt.: 13.821
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.433	46.456	
20	43.286	43.297	
25	45.661	45.671	
30	43.314	43.324	
35	41.639	41.658	
40	39.699	39.724	
45	38.824	38.916	
50	39.111	39.362	
60	37.858	38.653	
70	35.979	37.138	
80	36.430	37.718	
100	34.364	35.534	
120	35.434	36.656	
140	34.765	35.781	
170	34.334	34.728	
200	33.085	33.204	
230	32.860	32.912	
Fines Collector 1	21.218		
Fines Collector 2	21.216		
Fines Collector 3	21.216	21.229	
Sum total			

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lbcavies

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-14
Sampling Date: 4/23/10
Analysis Date: 7/26/10

Container wt.: 6.148
Total wt.: 12.563
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.433	46.501	
20	43.286	43.307	
25	45.660	45.692	
30	43.313	43.328	
35	41.639	41.679	
40	39.698	39.756	
45	38.820	39.016	
50	39.105	39.622	
60	37.849	39.269	
70	35.975	37.660	
80	36.448	37.689	
100	34.373	34.980	
120	35.450	35.743	
140	34.788	34.936	
170	34.342	34.384	
200	33.084	33.097	
230	32.859	32.866	
Fines Collector 1	21.217		
Fines Collector 2	21.213		
Fines Collector 3	21.213	21.217	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-16
Sampling Date: 4/23/10
Analysis Date: 7/28/10

Container wt.: 6.147
Total wt.: 11.903
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.438	46.460	
20	43.285	43.296	
25	45.680	45.686	
30	43.315	43.341	
35	41.640	41.685	
40	39.696	39.773	
45	38.821	39.067	
50	39.112	39.619	
60	37.852	39.160	
70	35.986	37.445	
80	36.436	37.550	
100	34.364	34.903	
120	35.443	35.688	
140	34.773	34.881	
170	34.337	34.372	
200	33.090	33.102	
230	32.860	32.871	
Fines Collector 1	21.226		
Fines Collector 2	21.227		
Fines Collector 3	21.227	21.232	
Sum total			

heavies +

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-18
Sampling Date: 4/23/10
Analysis Date: 7/28/10

Container wt.: 6,147
Total wt.: 12 645
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.438	46.456	
20	43.285	43.291	
25	45.660	45.675	
30	43.326	43.338	
35	41.614	41.686	
40	39.704	39.807	
45	38.825	39.277	
50	39.118	40.098	
60	37.862	39.746	
70	35.993	37.580	
80	36.432	37.318	
100	34.365	34.670	
120	35.447	35.555	
140	34.772	34.820	
170	34.336	34.348	
200	33.088	33.091	
230	32.861	32.866	
Fines Collector 1	21.228		
Fines Collector 2	21.223		
Fines Collector 3	21.222	21.227	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-20
Sampling Date: 4/23/10
Analysis Date: 7/28/10

Container wt.: 6.190
Total wt.: 12.397
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.435	46.445	
20	43.282	43.283	
25	45.660	45.674	
30	43.321	43.340	
35	41.672	41.664	
40	39.706	39.744	
45	38.830	39.052	
50	39.124	39.850	
60	37.875	39.752	
70	35.986	37.722	
80	36.432	37.450	
100	34.363	34.726	
120	35.437	35.568	
140	34.764	34.818	
170	34.334	34.350	
200	33.084	33.092	
230	32.859	32.866	
Fines Collector 1	21.224		
Fines Collector 2	21.224		
Fines Collector 3	21.222	21.223	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T 5-22
Sampling Date: 4/23/10
Analysis Date: 4/28/10

Container wt.: 6.147
Total wt.: 11.839
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.441	46.459	
20	43.279	43.289	
25	45.662	45.677	
30	43.332	43.346	
35	41.642	41.675	
40	39.706	39.755	
45	38.825	39.049	
50	39.132	39.766	
60	37.866	39.428	
70	35.999	37.518	
80	36.435	37.423	
100	34.362	34.752	
120	35.434	35.601	
140	34.760	34.839	
170	34.331	34.356	
200	33.085	33.096	
230	32.861	32.868	
Fines Collector 1	21.223		
Fines Collector 2	21.220		
Fines Collector 3	21.226	21.225	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

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Sample No: CIB-100423-TS-24
Sampling Date: 4/23/10
Analysis Date: 7/28/10

Container wt.: 6.148
Total wt.: 11.554
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.445	46.445	
20	43.281	43.285	
25	45.666	45.672	
30	43.341	43.339	
35	41.651	41.655	
40	39.708	39.724	
45	38.828	38.945	
50	39.141	39.601	
60	37.876	39.233	
70	36.005	37.504	
80	36.435	37.478	
100	34.362	34.827	
120	35.434	35.645	
140	34.762	34.862	
170	34.332	34.361	
200	33.083	33.095	
230	32.882	32.869	
Fines Collector 1	21.224		
Fines Collector 2	21.221		
Fines Collector 3	21.219	21.222	
Sum total			

bearies + ↓

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

large sieve frame

Sample No: CIB-100423-T5-26
Sampling Date: 4/23/10
Analysis Date: 7/28/10

Container wt.: 6.147
Total wt.: 10.690
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.445	46.536	
20	43.286	43.292	
25	45.667	45.682	
30	43.338	43.355	
35	41.692	41.691	
40	39.706	39.794	
45	38.826	39.077	
50	39.127	39.661	
60	37.861	38.981	
70	35.987	37.005	
80	36.437	37.120	
100	34.361	34.694	
120	35.433	35.599	
140	34.764	34.847	
170	34.332	34.369	
200	33.086	33.098	
230	32.863	32.865	
Fines Collector 1	21.221		
Fines Collector 2	21.217		
Fines Collector 3	21.219	21.223	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

lots of shell frags.

Sample No: CIB-100423-T5-28
Sampling Date: 4/23/10
Analysis Date: 7/28/10

Container wt.: 6.148
Total wt.: 12.337
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.444	46.697	
20	43.282	43.315	
25	45.666	45.769	
30	43.332	43.424	
35	41.643	41.955	
40	39.705	40.147	
45	38.824	39.837	
50	39.128	40.310	
60	37.864	39.247	
70	35.986	36.755	
80	36.436	36.793	
100	34.355	34.464	
120	35.433	35.465	
140	34.762	34.774	
170	34.331	34.334	
200	33.086	33.084	
230	32.858	32.860	
Fines Collector 1	21.220		
Fines Collector 2	21.218		
Fines Collector 3	21.221	21.218	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Part of shell lenses

Sample No: CIB-100423-T5-30
Sampling Date: 4/23/10
Analysis Date: 7/28/10

Container wt.: 6.151
Total wt.: 11.578
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.444	46.518	
20	43.282	43.315	
25	45.667	45.743	
30	43.339	43.434	
35	41.644	41.940	
40	39.717	40.147	
45	38.839	39.833	
50	39.130	40.272	
60	37.867	39.135	
70	35.984	36.604	
80	36.432	36.701	
100	34.355	34.433	
120	35.430	35.451	
140	34.763	34.767	
170	34.334	34.329	
200	33.085	33.083	
230	32.863	32.858	
Fines Collector 1	21.217		
Fines Collector 2	21.221		
Fines Collector 3	21.219	21.216	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

considerable shell frags ✓

Sample No: CIB-100423-T5-32
Sampling Date: 4/23/10
Analysis Date: 7/28/10

Container wt.: 6.149
Total wt.: 11.504
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.445	46.468	
20	43.285	43.297	
25	45.667	45.702	
30	43.340	43.384	
35	41.648	41.789	
40	39.725	39.984	
45	38.528	39.591	
50	39.146	40.304	
60	37.866	39.360	
70	35.977	36.848	
80	36.421	36.809	
100	34.353	34.478	
120	35.424	35.469	
140	34.756	34.774	
170	34.328	34.331	
200	33.082	33.083	
230	32.856	32.860	
Fines Collector 1	21.215		
Fines Collector 2	21.217		
Fines Collector 3	21.217	21.217	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Shell prep

Sample No: CIB-100423-TS-34
Sampling Date: 4/23/10
Analysis Date: 7/28/10

Container wt.: 6.148
Total wt.: 12.617
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.442	46.519	
20	43.281	43.305	
25	45.666	45.721	
30	43.329	43.396	
35	41.643	41.905	
40	39.710	40.150	
45	38.828	39.948	
50	39.145	40.602	
60	37.861	39.493	
70	35.982	36.836	
80	36.424	36.769	
100	34.352	34.459	
120	35.423	35.460	
140	34.756	34.773	
170	34.328	34.335	
200	33.083	33.087	
230	32.859	32.862	
Fines Collector 1	21.217		
Fines Collector 2	21.216		
Fines Collector 3	21.218	21.220	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T 5-36
Sampling Date: 4/23/10
Analysis Date: 7/28/10

Container wt.: 6.149
Total wt.: 11.450
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.441	46.457	
20	43.278	43.287	
25	45.664	45.680	
30	43.329	43.343	
35	41.645	41.716	
40	39.712	39.895	
45	38.839	39.413	
50	39.157	40.048	
60	37.864	39.182	
70	35.981	37.049	
80	36.422	37.102	
100	34.353	34.627	
120	35.424	35.529	
140	34.759	34.803	
170	34.328	34.343	
200	33.083	33.087	
230	32.857	32.862	
Fines Collector 1	21.218		
Fines Collector 2	21.218		
Fines Collector 3	21.216	21.218	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-38
Sampling Date: 4/23/10
Analysis Date: 7/28/10

Container wt.: 6.150
Total wt.: 13.255
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.444	46.465	
20	43.285	43.286	
25	45.668	45.676	
30	43.330	43.342	
35	41.642	41.699	
40	39.716	39.834	
45	38.837	39.257	
50	39.145	40.001	
60	37.866	39.585	
70	35.980	37.790	
80	36.423	37.667	
100	34.352	34.811	
120	35.427	35.590	
140	34.757	34.841	
170	34.328	34.359	
200	33.081	33.089	
230	32.859	32.857	
Fines Collector 1	21.219		
Fines Collector 2	21.209		
Fines Collector 3	21.213	21.214	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-40
Sampling Date: 4/23/10
Analysis Date: 7/28/10

Container wt.: 6.144
Total wt.: 12.427
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.441	46.446	
20	43.274	43.289	
25	45.661	45.680	
30	43.324	43.357	
35	41.634	41.783	
40	39.708	39.933	
45	38.827	39.466	
50	39.145	40.501	
60	37.873	39.985	
70	35.982	37.142	
80	36.429	36.846	
100	34.351	34.452	
120	35.422	35.452	
140	34.754	34.772	
170	34.324	34.334	
200	33.079	33.088	
230	32.855	32.862	
Fines Collector 1	21.212		
Fines Collector 2	21.210		
Fines Collector 3	21.213	21.217	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

considerable shell frags ✓

Sample No: CIB-100423-T5-42
Sampling Date: 4/23/10
Analysis Date: 7/29/10

Container wt.: 6.146
Total wt.: 11.486
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.443	46.453	
20	43.284	43.289	
25	45.670	45.694	
30	43.329	43.371	
35	41.647	41.859	
40	39.713	39.986	
45	38.836	39.570	
50	39.154	40.361	
60	37.870	39.579	
70	35.986	36.775	
80	36.433	36.696	
100	34.358	34.413	
120	35.429	35.442	
140	34.761	34.764	
170	34.330	34.335	
200	33.085	33.087	
230	32.859	32.864	
Fines Collector 1	21.224		
Fines Collector 2	21.224		
Fines Collector 3	21.224	21.224	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-44
Sampling Date: 4/23/10
Analysis Date: 7/29/10

Container wt.: 6,147
Total wt.: 14.235
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.443	46.455	
20	43.283	43.287	
25	45.669	45.687	
30	43.333	43.355	
35	41.662	41.807	
40	39.717	39.956	
45	38.848	39.599	
50	39.170	40.579	
60	37.881	40.219	
70	35.982	37.671	
80	36.429	37.273	
100	34.354	34.689	
120	35.423	35.583	
140	34.758	34.822	
170	34.325	34.348	
200	33.084	33.088	
230	32.861	32.863	
Fines Collector 1	21.224		
Fines Collector 2	21.223		
Fines Collector 3	21.223	21.223	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-46
Sampling Date: 4/23/10
Analysis Date: 7/29/10

Container wt.: 6.148
Total wt.: 13.067
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.443	46.447	
20	43.280	43.285	
25	45.665	45.682	
30	43.337	43.361	
35	41.652	41.822	
40	39.722	40.019	
45	38.845	39.573	
50	39.174	40.225	
60	37.889	39.467	
70	35.997	37.368	
80	36.432	37.394	
100	34.358	34.789	
120	35.426	35.608	
140	34.760	34.828	
170	34.327	34.347	
200	33.083	33.091	
230	32.866	32.866	
Fines Collector 1	21.221		
Fines Collector 2	21.222		
Fines Collector 3	21.219	21.224	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

Sample No: CIB-100423-T5-48
Sampling Date: 4/23/10
Analysis Date: 7/29/10

Container wt.: 6.148
Total wt.: 12.769
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.437	46.442	
20	43.281	43.282	
25	45.669	45.677	
30	43.332	43.347	
35	41.650	41.750	
40	39.715	39.964	
45	38.841	39.732	
50	39.155	40.388	
60	37.873	39.343	
70	35.995	37.052	
80	36.437	37.052	
100	34.359	34.583	
120	35.429	35.519	
140	34.759	34.803	
170	34.329	34.346	
200	33.087	33.092	
230	32.862	32.866	
Fines Collector 1	21.221		
Fines Collector 2	21.218		
Fines Collector 3	21.218	21.222	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

considerable shell frags ✓

Sample No: CIB-100423-T 5-50
Sampling Date: 4/23/10
Analysis Date: 7/29/10

Container wt.: 6.150
Total wt.: 11.324
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.837	46.684	
20	43.280	43.298	
25	45.669	45.696	
30	43.332	43.367	
35	41.650	41.754	
40	39.714	39.919	
45	38.844	39.448	
50	39.155	40.095	
60	37.868	39.159	
70	35.986	36.882	
80	36.431	36.910	
100	34.360	34.535	
120	35.428	35.500	
140	34.760	34.802	
170	34.326	34.349	
200	33.085	33.093	
230	32.860	32.863	
Fines Collector 1	21.220		
Fines Collector 2	21.218		
Fines Collector 3	21.221	21.219	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

lots of shell frags ✓

Sample No: CIB-100423-T5-52
Sampling Date: 4/23/10
Analysis Date: ~~4~~/29/10

Container wt.: 6.146
Total wt.: 12.821
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.437	46.714	
20	43.281	43.348	
25	45.669	45.795	
30	43.331	43.439	
35	41.650	41.924	
40	39.717	40.020	
45	38.841	39.595	
50	39.153	40.202	
60	37.869	39.371	
70	35.989	37.086	
80	36.427	37.055	
100	34.357	34.594	
120	35.423	35.547	
140	34.758	34.828	
170	34.327	34.358	
200	33.084	33.095	
230	32.860	32.867	
Fines Collector 1	21.219		
Fines Collector 2	21.220		
Fines Collector 3	21.217	21.223	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach
Sample Date: April 23, 2010

Page : _____

sample clumps a little damp? ✓

Sample No: CIB-100423-T S-54
Sampling Date: 4/23/10
Analysis Date: 7/29/10

Container wt.: 6.149
Total wt.: 13.287
Sample wt.: _____

Standard Sieve	Tare Weight	Weight after sieving	Sample Weight
18	46.437	46.629	
20	43.285	43.329	
25	45.672	45.789	
30	43.033	43.473	
35	41.650	41.959	
40	39.415	40.071	
45	38.834	39.606	
50	39.154	40.291	
60	37.876	39.478	
70	35.992	37.230	
80	36.437	37.130	
100	34.359	34.645	
120	35.424	35.567	
140	34.758	34.823	
170	34.326	34.349	
200	33.081	33.088	
230	32.858	32.865	
Fines Collector 1	21.217		
Fines Collector 2	21.216		
Fines Collector 3	21.218	21.221	
Sum total			

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Auger AUGER 0901

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: AUGER 09016-1 Container wt.: 6.155
Sampling Date: 4/24/09 Total wt.: 11.690
Analysis Date: 2/24/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.234	46.246	
20	43.128	43.140	
25	45.465	45.499	
30	43.133	43.139	
35	41.484	41.489	
40	39.527	39.553	
45	38.650	38.738	
50	38.915	39.145	
60	37.671	38.343	
70	35.767	36.802	
80	36.406	37.516	
100	34.324	35.156	
120	35.252	35.640	
140	34.578	34.736	
170	34.158	34.196	
200	32.912	32.927	
230	32.689	32.697	
Fines Collector 1	21.253		
Fines Collector 2	21.259		
Fines Collector 3	21.267	21.532	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: AUGER 09011-2 Container wt.: 6.161
Sampling Date: 4/24/09 Total wt.: 11.311
Analysis Date: 2/24/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.241	46.263	
20	43.137	43.153	
25	45.489	45.516	
30	43.139	43.138	
35	41.488	41.485	
40	39.534	39.535	
45	38.657	38.667	
50	38.928	38.971	
60	37.694	37.933	
70	35.804	36.409	
80	36.416	37.282	
100	34.333	35.331	
120	35.272	36.248	
140	34.585	35.178	
170	34.163	34.308	
200	32.916	32.955	
230	32.698	32.909	
Fines Collector 1	21.369		
Fines Collector 2	21.444		
Fines Collector 3	21.471	21.480	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: AUGER 09012-3
Sampling Date: 4/24/09
Analysis Date: 2/24/10

Container wt.: 6.156
Total wt.: 11.103
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.240	46.263	
20	42.134	43.155	
25	45.502	45.537	
30	43.135	43.135	
35	41.483	41.483	
40	39.528	39.532	
45	38.650	38.662	
50	38.922	38.954	
60	37.699	37.883	
70	35.834	36.304	
80	36.394	37.160	
100	34.377	35.327	
120	35.331	36.392	
140	34.598	35.290	
170	34.163	34.326	
200	32.915	32.957	
230	32.692	32.713	
Fines Collector 1	21.265		
Fines Collector 2	21.372		
Fines Collector 3	21.470	21.470	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: AUGER09013-4 Container wt.: 6.152
Sampling Date: 4/24/09 Total wt.: 11.954
Analysis Date: 2/24/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.242	46.246	
20	43.139	43.141	
25	45.578	45.529	
30	43.136	43.133	
35	41.483	41.484	
40	39.528	39.532	
45	38.650	38.674	
50	38.920	38.982	
60	37.700	37.982	
70	35.813	36.510	
80	36.430	37.453	
100	34.417	35.476	
120	35.369	36.486	
140	34.616	35.294	
170	34.170	34.311	
200	32.922	32.948	
230	32.694	32.701	
Fines Collector 1	21.328		
Fines Collector 2	21.502		
Fines Collector 3	21.568	21.571	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: AUGER 0901 4-5 Container wt.: 6.153
Sampling Date: 4/24/09 Total wt.: 11.833
Analysis Date: 2/24/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.238	46.249	
20	43.131	43.146	
25	45.518	45.528	
30	43.133	43.134	
35	41.483	41.485	
40	39.529	39.531	
45	38.651	38.658	
50	38.925	38.946	
60	37.715	37.919	
70	35.828	36.427	
80	36.488	37.487	
100	34.480	35.545	
120	35.410	36.603	
140	34.621	35.396	
170	34.161	34.337	
200	32.6918	32.955	
230	32.690	32.708	
Fines Collector 1	21.309		
Fines Collector 2	21.539		
Fines Collector 3	21.369		
Sum total			

Auger A0902

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A0902 1
Sampling Date: 4/24/09
Analysis Date: 2/24/10

Container wt.: 6.153
Total wt.: 12.191
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.240	46.244	
20	43.136	43.143	
25	45.508	45.529	
30	43.133	43.150	
35	41.481	41.536	
40	39.526	39.621	
45	38.651	38.914	
50	38.920	39.446	
60	37.723	38.847	
70	35.838	37.085	
80	36.538	37.697	
100	34.528	35.165	
120	35.438	35.794	
140	34.653	34.829	
170	34.167	34.204	
200	32.917	32.925	
230	32.692	32.690	
Fines Collector 1	21.256		
Fines Collector 2	21.386		
Fines Collector 3	21.403	21.405	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 0902 2
Sampling Date: 4/24/09
Analysis Date: 2/24/10

Container wt.: 9.154
Total wt.: 11.850
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.236	46.246	
20	43.134	43.148	
25	45.506	45.535	
30	43.133	43.159	
35	41.483	41.561	
40	39.538	39.658	
45	38.677	39.091	
50	38.969	39.685	
60	37.785	39.012	
70	35.918	37.008	
80	36.568	37.497	
100	34.544	34.901	
120	35.428	35.557	
140	34.660	34.703	
170	34.170	34.172	
200	32.921	32.918	
230	32.691	32.687	
Fines Collector 1	21.253		
Fines Collector 2	21.458		
Fines Collector 3	21.408	21.411	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A0902 3
Sampling Date: 4/24/09
Analysis Date: 2/24/10

Container wt.: 6.153
Total wt.: 12.912
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.236	46.299	
20	43.134	43.157	
25	45.506	45.560	
30	43.130	43.146	
35	41.483	41.557	
40	39.547	39.667	
45	38.697	39.025	
50	38.993	39.652	
60	37.806	39.182	
70	35.868	37.343	
80	36.565	37.852	
100	34.538	35.176	
120	35.417	35.740	
140	34.657	34.772	
170	34.166	34.193	
200	32.919	32.923	
230	32.691	32.691	
Fines Collector 1	21.263		
Fines Collector 2	21.303		
Fines Collector 3	21.398	21.407	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A09024 Container wt.: 6.151
Sampling Date: 4/24/09 Total wt.: 11.777
Analysis Date: 2/25/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.234	46.332	
20	43.134	43.152	
25	45.517	45.567	
30	43.136	43.142	
35	41.493	41.527	
40	39.560	39.616	
45	38.714	38.913	
50	39.019	39.456	
60	37.859	38.902	
70	35.882	37.086	
80	36.584	37.683	
100	34.555	35.167	
120	35.407	35.750	
140	34.654	34.776	
170	34.166	34.188	
200	32.919	32.922	
230	32.690	32.691	
Fines Collector 1	21.244		
Fines Collector 2	21.408		
Fines Collector 3	21.277	21.279	
Sum total			

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Auger A0903

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 09031
Sampling Date: 4/24/09
Analysis Date: 2/25/10

Container wt.: 6.154
Total wt.: 11.695
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.232	46.262	
20	43.134	43.149	
25	45.538	45.559	
30	43.133	43.149	
35	41.493	41.537	
40	39.561	39.634	
45	38.719	38.928	
50	39.019	39.460	
60	37.884	38.850	
70	35.871	37.060	
80	35.591	37.682	
100	34.557	35.180	
120	35.395	35.786	
140	34.644	34.826	
170	34.167	34.210	
200	32.917	32.925	
230	32.691	32.692	
Fines Collector 1	21.244		
Fines Collector 2	21.343		
Fines Collector 3	21.315	21.316	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 09032
Sampling Date: 4/24/09
Analysis Date: 2/25/10

Container wt.: 6.153
Total wt.: 11.412
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.237	46.252	
20	43.135	43.151	
25	45.533	45.566	
30	43.138	43.164	
35	41.495	41.581	
40	39.561	39.665	
45	38.721	38.953	
50	39.019	39.427	
60	37.886	38.692	
70	35.888	36.842	
80	36.601	37.510	
100	34.576	35.232	
120	35.401	35.842	
140	34.640	34.886	
170	34.165	34.222	
200	32.916	32.926	
230	32.690	32.692	
Fines Collector 1	21.235		
Fines Collector 2	21.318		
Fines Collector 3	21.322	21.323	
Sum total			

Auger A0904

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A0904 1
Sampling Date: 4/24/09
Analysis Date: 2/25/10

Container wt.: 6.147
Total wt.: 12.611
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.236	46.261	
20	43.132	43.138	
25	45.532	45.557	
30	43.136	43.137	
35	41.496	41.522	
40	39.568	39.610	
45	38.722	38.859	
50	39.032	39.391	
60	37.906	38.924	
70	35.880	37.381	
80	36.584	38.074	
100	34.593	35.442	
120	35.405	35.829	
140	34.647	34.823	
170	34.164	34.205	
200	32.917	32.927	
230	32.690	32.695	
Fines Collector 1	21.243		
Fines Collector 2	21.287		
Fines Collector 3	21.419	21.419	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A09042
Sampling Date: 4/24/09
Analysis Date: 2/25/10

Container wt.: 6.155
Total wt.: 11.468
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.236	46.271	
20	43.132	43.148	
25	45.535	45.552	
30	43.137	43.142	
35	41.496	41.541	
40	39.567	39.642	
45	38.726	38.945	
50	39.041	39.510	
60	37.939	39.034	
70	35.911	37.167	
80	36.608	37.658	
100	34.617	35.168	
120	35.412	35.659	
140	34.655	34.761	
170	34.168	34.189	
200	32.920	32.924	
230	32.694	32.694	
Fines Collector 1	21.262		
Fines Collector 2	21.278		
Fines Collector 3	21.313	21.317	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A0904 3
Sampling Date: 4/24/09
Analysis Date: 3/2/10

Container wt.: 6.151
Total wt.: 12.169
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.234	46.247	
20	43.133	43.146	
25	45.505	45.532	
30	43.133	43.156	
35	41.496	41.557	
40	39.572	39.668	
45	38.734	39.016	
50	39.058	39.605	
60	37.967	39.129	
70	35.894	37.149	
80	36.601	37.692	
100	34.619	35.289	
120	35.416	35.762	
140	34.650	34.802	
170	34.162	34.184	
200	32.917	32.920	
230	32.689	32.690	
Fines Collector 1	21.333		
Fines Collector 2	21.295		
Fines Collector 3	21.257	21.261	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A0904 4
Sampling Date: 4/24/09
Analysis Date: 3/2/10

Container wt.: 6.148
Total wt.: 12.790
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.233	46.248	
20	43.130	43.133	
25	45.509	45.523	
30	43.134	43.149	
35	41.499	41.566	
40	39.577	39.672	
45	38.754	38.999	
50	39.084	39.553	
60	38.012	39.087	
70	35.920	37.295	
80	36.644	38.043	
100	34.608	35.503	
120	35.425	35.991	
140	34.654	35.005	
170	34.160	34.239	
200	32.917	32.933	
230	32.688	32.697	
Fines Collector 1	21.237		
Fines Collector 2	21.238		
Fines Collector 3	21.250	21.256	
Sum total			

Auger A0905

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A09051
Sampling Date: 4/24/09
Analysis Date: 3/3/10

Container wt.: 6.149
Total wt.: 12.536
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.238	46.243	
20	43.135	43.136	
25	45.509	45.514	
30	43.137	43.139	
35	41.502	41.523	
40	39.585	39.631	
45	38.765	38.912	
50	39.103	39.426	
60	38.052	38.855	
70	35.954	37.041	
80	36.658	37.942	
100	34.628	35.707	
120	35.451	36.128	
140	34.675	35.304	
170	34.167	34.364	
200	32.920	32.970	
230	32.692	32.713	
Fines Collector 1	21.258		
Fines Collector 2	21.232		
Fines Collector 3	21.233	21.243	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 09052
Sampling Date: 4/24/09
Analysis Date: 3/3/10

Container wt.: 6.150
Total wt.: 12.516
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.234	46.244	
20	43.133	43.138	
25	45.507	45.538	
30	43.134	43.165	
35	41.496	41.595	
40	39.587	39.715	
45	38.771	39.085	
50	39.124	39.218	
60	38.083	37.375	
70	36.060	37.974	
80	36.669	35.506	
100	34.629	35.774	
120	35.478	34.916	
140	34.720	34.221	
170	34.166	32.938	
200	32.920	32.698	
230	32.687		
Fines Collector 1	21.232		
Fines Collector 2	21.227		
Fines Collector 3	21.228	21.229	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A09053
Sampling Date: 4/24/09
Analysis Date: 3/3/10

Container wt.: 6.147
Total wt.: 12.052
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.237	46.240	
20	43.133	43.138	
25	45.507	45.520	
30	43.138	43.145	
35	41.506	41.529	
40	39.598	39.640	
45	38.796	38.911	
50	39.157	39.425	
60	38.133	38.894	
70	36.183	37.370	
80	36.674	38.226	
100	34.634	35.190	
120	35.480	35.897	
140	34.727	34.982	
170	34.170	34.219	
200	32.926	32.934	
230	32.693	32.698	
Fines Collector 1	21.228		
Fines Collector 2	21.231		
Fines Collector 3	21.229	21.232	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A09054
Sampling Date: 4/24/09
Analysis Date: 3/3/10

Container wt.: 6.149
Total wt.: 11.490
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.237	46.320	
20	43.137	43.143	
25	45.501	45.525	
30	43.138	43.181	
35	41.504	41.602	
40	39.593	39.693	
45	38.792	39.052	
50	39.157	39.579	
60	38.132	38.912	
70	36.268	37.226	
80	36.067	37.747	
100	34.636	35.554	
120	35.486	35.790	
140	34.725	34.904	
170	34.168	34.209	
200	32.923	32.933	
230	32.690	32.697	
Fines Collector 1	21.227		
Fines Collector 2	21.229		
Fines Collector 3	21.228	21.231	
Sum total			

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Auger A0906

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A0906 1
Sampling Date: 4/24/09
Analysis Date: 3/3/10

Container wt.: 6.146
Total wt.: 11.907
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.237	46.237	
20	43.135	43.135	
25	45.503	45.501	
30	43.138	43.[illegible]1	
35	41.510	41.526	
40	39.595	39.627	
45	38.792	38.893	
50	39.160	39.414	
60	38.120	38.806	
70	36.312	37.492	
80	36.661	37.999	
100	34.636	36.293	
120	34.482	35.687	
140	34.733	34.936	
170	34.169	34.213	
200	32.922	32.935	
230	32.690	32.698	
Fines Collector 1	21.227		
Fines Collector 2	21.224		
Fines Collector 3	21.230	21.234	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 0906 2
Sampling Date: 4/24/09
Analysis Date: 3/3/10

Container wt.: 6.148
Total wt.: 11.955
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.232	46.344	
20	43.134	43.169	
25	45.495	45.572	
30	43.137	43.192	
35	41.571	41.647	
40	39.597	39.750	
45	38.794	39.106	
50	39.155	39.605	
60	38.103	39.052	
70	36.340	37.667	
80	36.673	37.537	
100	34.643	35.472	
120	35.483	35.679	
140	34.737	34.878	
170	34.169	34.990	
200	32.923	32.980	
230	32.693	32.688	
Fines Collector 1	21.227		
Fines Collector 2	21.241		
Fines Collector 3	21.228	21.233	
Sum total			

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Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A09063
Sampling Date: 4/24/09
Analysis Date: 3/3/10

Container wt.: 6.148
Total wt.: 12.001
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.234	46.245	
20	43.133	43.141	
25	45.502	45.523	
30	43.134	43.158	
35	41.507	41.572	
40	39.604	39.690	
45	38.806	39.043	
50	39.158	39.622	
60	38.119	39.197	
70	36.347	38.311	
80	36.655	37.391	
100	34.632	35.354	
120	35.469	35.764	
140	34.725	34.866	
170	34.163	34.193	
200	32.915	32.928	
230	32.685	32.693	
Fines Collector 1	21.225		
Fines Collector 2	21.233		
Fines Collector 3	21.231	21.235	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A0996 4
Sampling Date: 4/24/09
Analysis Date: 3/8/10

Container wt.: 6.148
Total wt.: 12.701
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.234	46.332	
20	43.133	43.140	
25	45.502	45.542	
30	43.141	43.169	
35	41.516	41.606	
40	39.610	39.712	
45	38.821	39.076	
50	39.181	39.614	
60	38.141	39.160	
70	36.348	38.960	
80	36.641	37.076	
100	34.628	35.498	
120	35.472	35.770	
140	34.740	34.901	
170	34.166	34.197	
200	32.920	32.923	
230	32.692	32.689	
Fines Collector 1	21.226		
Fines Collector 2	21.233		
Fines Collector 3	21.223	21.228	
Sum total			

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Auger A0907

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 09071
Sampling Date: 4/24/09
Analysis Date: 3/4/10

Container wt.: 6.148
Total wt.: 12.582
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.236	46.257	
20	43.132	43.137	
25	45.501	45.511	
30	43.138	43.142	
35	41.524	41.540	
40	39.620	39.646	
45	38.839	38.929	
50	39.199	39.454	
60	38.174	39.004	
70	36.360	40.441	
80	36.635	36.798	
100	34.635	35.098	
120	34.476	35.697	
140	34.748	34.895	
170	34.171	34.211	
200	32.925	32.933	
230	32.694	32.694	
Fines Collector 1	21.230		
Fines Collector 2	21.233		
Fines Collector 3	21.224	21.229	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 09072
Sampling Date: 4/24/09
Analysis Date: 3/4/10

Container wt.: 6.150
Total wt.: 12.377
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.236	46.241	
20	43.132	43.140	
25	45.503	45.521	
30	43.136	43.151	
35	41.521	41.569	
40	39.621	39.673	
45	38.843	39.001	
50	39.215	39.563	
60	38.205	39.152	
70	36.361	39.100	
80	36.645	37.282	
100	34.627	35.426	
120	35.476	35.738	
140	34.849	34.890	
170	34.166	34.990	
200	32.920	32.928	
230	32.690	32.695	
Fines Collector 1	21.225		
Fines Collector 2	21.226		
Fines Collector 3	21.224		
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 09073
Sampling Date: 4/24/09
Analysis Date: 3/4/10

Container wt.: 6.149
Total wt.: 11.624
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.235	46.242	
20	43.131	43.136	
25	45.497	45.576	
30	43.133	43.150	
35	41.516	41.552	
40	39.610	39.652	
45	38.836	38.953	
50	39.201	39.498	
60	38.210	39.050	
70	36.350	38.665	
80	36.644	37.276	
100	34.629	35.398	
120	35.475	35.683	
140	34.749	34.853	
170	34.165	34.191	
200	32.920	32.922	
230	32.684	32.692	
Fines Collector 1	21.224		
Fines Collector 2	21.223		
Fines Collector 3	21.227	21.229	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A0907 4
Sampling Date: 4/24/09
Analysis Date: 3/4/10

Container wt.: 6.147
Total wt.: 11.174
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.235	46.261	
20	43.130	43.140	
25	45.498	45.534	
30	43.138	43.161	
35	41.516	41.564	
40	39.615	39.668	
45	38.837	38.968	
50	39.193	39.466	
60	38.276	38.991	
70	36.356	37.858	
80	36.652	37.664	
100	34.628	35.433	
120	35.470	35.604	
140	34.741	34.820	
170	34.164	34.182	
200	32.917	32.923	
230	32.686	32.688	
Fines Collector 1	21.224		
Fines Collector 2	21.232		
Fines Collector 3	21.228	21.231	
Sum total			

Auger A0908

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 09081
Sampling Date: 4/24/09
Analysis Date: 3/4/10

Container wt.: 6.148
Total wt.: 12.020
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.231	46.255	
20	43.126	43.141	
25	45.498	45.517	
30	43.131	43.142	
35	41.513	41.540	
40	39.611	39.645	
45	38.833	39.931	
50	39.179	39.499	
60	38.210	39.383	
70	36.342	38.789	
80	36.663	37.350	
100	34.633	35.300	
120	35.475	35.598	
140	34.742	34.801	
170	34.164	34.171	
200	32.919	32.919	
230	32.688	32.688	
Fines Collector 1	21.226		
Fines Collector 2	21.231		
Fines Collector 3	21.249	21.250	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A09082
Sampling Date: 4/24/09
Analysis Date: 3/4/10

Container wt.: 6.152
Total wt.: 11.301
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.243	46.243	
20	43.137	43.135	
25	45.514	45.524	
30	43.135	43.137	
35	41.517	41.538	
40	39.615	39.655	
45	38.839	38.966	
50	39.198	39.511	
60	38.248	39.082	
70	36.354	38.487	
80	36.670	37.058	
100	34.633	35.427	
120	35.475	35.653	
140	34.744	34.959	
170	34.164	34.337	
200	32.921	32.944	
230	32.691	32.703	
Fines Collector 1	21.228		
Fines Collector 2	21.229		
Fines Collector 3	21.226	21.230	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 09083
Sampling Date: 4/24/09
Analysis Date: 3/4/10

Container wt.: 6.152
Total wt.: 12.588
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.236	46.275	
20	43.131	43.146	
25	45.512	45.544	
30	43.132	43.184	
35	41.512	41.686	
40	39.611	39.794	
45	38.838	39.193	
50	39.181	39.803	
60	38.249	39.706	
70	36.354	38.833	
80	36.662	36.983	
100	34.634	35.003	
120	35.482	35.593	
140	34.738	34.839	
170	34.167	34.193	
200	32.922	32.924	
230	32.693	32.686	
Fines Collector 1	21.220		
Fines Collector 2	21.234		
Fines Collector 3	21.235	21.238	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 09084
Sampling Date: 4/24/09
Analysis Date: 3/4/10

Container wt.: 6.152
Total wt.: 12.862
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.736	46.299	
20	43.133	43.164	
25	45.508	45.580	
30	43.137	43.195	
35	41.523	41.714	
40	38.629	39.803	
45	38.875	39.188	
50	39.215	39.738	
60	38.257	39.715	
70	36.360	39.197	
80	36.651	36.879	
100	34.632	35.099	
120	35.468	35.594	
140	34.733	34.838	
170	34.161	34.189	
200	32.914	32.923	
230	32.685	32.691	
Fines Collector 1	21.229		
Fines Collector 2	21.231		
Fines Collector 3	21.226	21.229	
Sum total			

Auger A0909

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 0909 1
Sampling Date: 4/24/09
Analysis Date: 3/4/10

Container wt.: 6.149
Total wt.: 12.021
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.234	46.267	
20	43.132	43.149	
25	45.514	45.549	
30	43.136	43.170	
35	41.538	41.606	
40	39.647	39.730	
45	38.910	39.152	
50	39.241	39.701	
60	38.267	39.351	
70	36.366	38.933	
80	36.647	36.961	
100	34.637	35.268	
120	35.472	35.569	
140	34.743	34.816	
170	34.168	34.187	
200	32.926	32.926	
230	32.693	32.692	
Fines Collector 1	21.230		
Fines Collector 2	21.258		
Fines Collector 3	21.244	21.245	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A09092 Container wt.: 6.150
Sampling Date: 4/24/09 Total wt.: 12.609
Analysis Date: 3/4/10 Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.235	46.547	
20	43.129	43.192	
25	45.520	45.625	
30	43.137	43.264	
35	41.535	41.781	
40	39.643	39.896	
45	38.908	39.440	
50	39.233	39.983	
60	38.260	39.511	
70	36.365	38.062	
80	36.655	37.068	
100	34.631	35.142	
120	35.473	35.865	
140	34.739	34.804	
170	34.170	34.188	
200	32.925	32.929	
230	32.694	32.698	
Fines Collector 1	21.229		
Fines Collector 2	21.231		
Fines Collector 3	21.227	21.233	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 09093
Sampling Date: 4/24/09
Analysis Date: 3/4/10

Container wt.: 6.156
Total wt.: 12.830
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.237	46.518	
20	43.132	43.179	
25	45.521	45.595	
30	43.144	43.214	
35	41.542	41.686	
40	39.657	39.806	
45	38.933	39.264	
50	39.244	39.791	
60	38.253	39.407	
70	36.353	38.247	
80	36.648	37.293	
100	34.638	35.548	
120	35.472	35.654	
140	34.741	34.915	
170	34.165	34.214	
200	32.921	32.934	
230	32.693	32.700	
Fines Collector 1	21.225		
Fines Collector 2	21.226		
Fines Collector 3	21.228	21.229	
Sum total			

Grain-size analysis
Data Sheets
Project: Cedar Island Breach

Page : _____

Sample No: A 09094
Sampling Date: 4/24/09
Analysis Date: 3/4/10

Container wt.: 6.157
Total wt.: 12.917
Sample wt.: _____

Standard Sieve	TARE Weight	Weight after sieving	Sample Weight
18	46.246	46.405	
20	43.137	43.169	
25	45.518	45.585	
30	43.146	43.186	
35	41.548	41.658	
40	39.665	39.798	
45	38.950	39.222	
50	39.253	39.698	
60	38.254	39.304	
70	36.352	38.815	
80	36.651	37.148	
100	34.640	35.722	
120	35.476	35.634	
140	34.750	34.883	
170	34.170	34.203	
200	32.924	32.929	
230	32.694	32.695	
Fines Collector 1	21.228		
Fines Collector 2	21.233		
Fines Collector 3	21.227	21.230	
Sum total			