

# **Appendix A**

## **Sediment Information**

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Sample site ID	Backwater ID	X coordinate (UTM zone 15, NAD27)	Y coordinate (UTM zone 15, NAD27)	Net accumulation rate (cm/yr)	Moisture content (%)	Bulk density (g/mL)	Organic content (%)
1	3	637608	4857933	1.29	70	0.35	10.26
2	3	637933	4857783	0.52	30	1.27	2.53
3	3	637758	4857608	0.86	67	0.42	9.18
4	3	637933	4857358	0.72	21	1.44	1.33
5	3	637808	4857283	0.34	58	0.56	7.34
6	3	638008	4857233	0.38	60	0.54	7.32
7	3	638308	4857233	0.43	61	0.51	8.02
8	3	638183	4857208	0.97	70	0.37	9.65
9	3	638333	4857183	0.33	61	0.49	7.58
10	3	637783	4857158	0.26	50	0.71	8.18
11	3	638183	4857133	0.9	22	1.25	1.23
12	3	638208	4857008	0.17	37	1.05	3.34
13	3	638483	4856983	0.17	32	1.22	2.32
14	3	638333	4856933	0.26	52	0.71	5.8
15	3	638408	4856908	0.34	26	1.37	1.32
37	33	639108	4850683	0.78	75	0.28	13.74
38	33	638358	4850383	0.53	79	0.21	13.8
39	33	638658	4850333	0.78	73	0.3	11.6
40	33	639283	4850333	*	29	1.28	2.59
41	33	638708	4850308	0.62	70	0.35	10
42	33	639183	4850233	0.52	39	0.97	3.68
43	33	638358	4850208	1	78	0.24	12.61
45	33	638533	4850108	1.03	72	0.34	10.27
46	33	638283	4850008	0.45	59	0.49	9.1
47	33	638508	4849908	1.02	70	0.36	10.21
48	33	638458	4849808	0.13	40	0.24	8.3
54	38	641608	4849383	0.21	44	0.91	5.41
58	38	641783	4849158	0.4	41	1.03	3.57
59	38	641758	4848958	0.21	44	0.84	4.43
60	38	642133	4848933	0.17	25	1.31	1.13
61	38	642208	4848683	0.29	65	0.4	16.16
68	38	642483	4848183	0.09	20	1.41	1.19
72	38	642458	4847983	0.33	23	1.31	0.81
74	38	642483	4847908	0.45	32	1.11	1.57
80	38	642933	4847483	0.21	30	1.11	4.23
81	38	643008	4847408	0.05	17	1.26	0.46
118	109	640058	4844783	1.03	74	0.28	13.64
121	109	639783	4844658	0.41	75	0.27	19.53
124	109	639258	4844233	0.43	74	0.28	15.89

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128	109	639758	4843708	0.6	74	0.29	12.34
132	109	639258	4843558	1.1	84	0.14	18.04
133	109	639583	4843533	0.64	65	0.41	8.15
139	109	639358	4843333	0.05	53	0.72	9.43
140	109	639658	4843258	0.86	71	0.34	11.52
145	109	639633	4843058	1.21	75	0.26	12.94
147	109	639733	4843008	0.52	79	0.21	13.21
151	109	639508	4842808	0.55	76	0.24	13.76
155	109	639033	4842358	1.36	78	0.22	14.04
156	109	639608	4842333	0.36	64	0.45	13.52
160	109	639308	4842158	0.34	42	0.85	4.61
162	109	639308	4842108	0.19	65	0.43	8.39
152	210	643083	4842608	0.5	75	0.25	13.26
153	210	643258	4842508	0.45	71	0.34	12.44
154	210	643283	4842483	0.74	79	0.22	17.04
157	210	643208	4842308	0.81	84	0.16	18.32
158	210	643183	4842208	0.6	81	0.2	16.56
159	210	643283	4842208	1.31	80	0.21	14.94
161	210	643183	4842133	0.41	54	0.61	6.06
163	210	643108	4842058	0.34	69	0.36	9.31
165	210	642883	4841908	0.52	78	0.23	13.57
166	210	642958	4841908	0.69	41	0.92	3.5
167	210	643108	4841833	*	39	0.86	5.44
170	210	642758	4841783	0.93	80	0.2	12.58
172	210	642808	4841733	0.69	76	0.25	11.68
174	210	642808	4841683	1.12	76	0.26	10.91
180	210	642833	4841358	0.64	72	0.32	11.06
173	260	644258	4841733	0.9	58	0.56	6.45
177	260	643808	4841583	0.69	45	0.86	4.59
179	260	643733	4841408	0.64	42	0.89	4.81
181	260	643908	4841308	0.67	48	0.76	5.39
183	260	643633	4841258	1	43	0.85	5.38
184	260	644158	4841258	1.21	72	0.33	10.94
186	260	644108	4841183	1.24	71	0.35	10.58
188	260	643833	4841058	0.88	52	0.69	6.49
193	260	643533	4840858	1.03	43	0.83	5.4
194	260	643908	4840708	1.33	63	0.47	8.22
195	260	643883	4840608	1.24	64	0.45	8
196	260	643858	4840533	0.43	54	0.64	6.49

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16	15	639258	4855933	0.48	64	0.44	8.3
17	15	639283	4855908	0.43	68	0.39	9.2
18	15	639308	4855883	0.12	40	0.92	5.14
19	15	639308	4855783	0.4	69	0.38	9.1
20	15	639308	4855733	0.19	62	0.47	8.13
21	15	639358	4855708	0.66	53	0.63	8.39
22	28	639183	4854058	0.34	27	0.83	2.88
23	28	639233	4854008	0.07	34	1.06	2.66
25	29	639733	4852733	0.53	59	0.48	7.25
27	29	639733	4852383	0.02	17	1.61	0.43
28	29	639708	4852133	0.07	40	0.88	5.39
30	29	639608	4851558	0.12	37	0.91	3.57
31	29	639658	4851483	0.17	41	0.88	5.32
32	29	639758	4851458	0.72	51	0.62	7.03
33	29	639558	4851308	0.24	45	0.74	6.12
55	42	640733	4849308	0.53	55	0.58	6.87
56	42	640783	4849308	0.74	33	1.07	3.56
57	42	640808	4849283	0.52	43	0.85	4.97
62	49	640483	4848658	*	43	0.81	6.13
63	49	640558	4848583	*	41	0.91	4.96
64	49	640683	4848408	0.98	62	0.48	7.89
65	49	640708	4848408	1.05	59	0.53	7.16
66	49	640883	4848308	0.72	51	0.68	5.8
67	49	640933	4848233	0.33	43	0.84	5.15
69	51	642358	4848133	0.98	74	0.29	10.62
70	51	642383	4848108	0.6	65	0.42	9.32
71	51	642333	4848033	0.36	25	1.4	1.87
73	51	642383	4847933	0.69	73	0.31	10.24
75	51	642308	4847883	0.14	45	0.8	7.46
76	51	642333	4847883	1.12	75	0.29	10.95
77	51	642333	4847858	1.21	75	0.29	11.21
78	51	642383	4847658	0.19	45	0.82	4.5
79	51	642283	4847608	0.36	40	0.92	3.85
82	54	641758	4847383	0.47	26	1.33	2.69
83	58	642183	4847108	0.64	59	0.52	10.97
84	58	642408	4847033	0.17	42	0.89	3.75
85	58	642183	4847008	0.64	57	0.57	7.18
86	58	642258	4846958	0.93	68	0.4	8.71

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87	58	637608	4857933	1.31	64	0.43	8.7
88	58	637933	4857783	0.66	52	0.7	5.4
94	74	638183	4857208	0.52	37	0.99	4.7
96	74	637783	4857158	0.86	57	0.53	8.5
97	74	638183	4857133	0.5	63	0.45	10.9
98	74	638208	4857008	0.34	52	0.64	7
106	91	639308	4855733	0.47	39	0.92	3.9
107	91	639358	4855708	0.29	48	0.69	6.2
108	91	639183	4854058	1.28	44	0.77	5
103	95	639283	4855908	0.31	38	1.01	5.2
105	101	639308	4855783	0.33	59	0.52	9.6
115	124	637808	4851683	0.62	69	0.35	10.2
119	124	639558	4851308	0.64	45	0.75	6.7
148	219	640483	4848658	0.78	51	0.58	6.6
185	313	642883	4846283	0.69	66	0.42	12.7
187	313	642808	4846108	0.34	59	0.49	9.2
189	313	642358	4845733	0.79	60	0.48	8.5
190	313	643533	4845733	0.64	51	0.61	7.3
191	313	641108	4845683	0.76	34	1.04	4.4
202	396	642708	4844833	0.26	56	0.55	8
89	68	637758	4857608	0.55	65	0.41	14.9
90	68	637933	4857358	0.52	33	1.14	2.3
91	68	637808	4857283	1.21	42	0.92	4.6
92	68	638008	4857233	0.98	47	0.77	4.7
93	68	638308	4857233	0.52	54	0.59	8.4
95	68	638333	4857183	*	28	1.27	1.6
99	68	638483	4856983	0.1	31	1.23	2.8
100	68	638333	4856933	0.67	47	0.79	5.8
101	215	638408	4856908	0.84	32	1.12	2
142	215	640783	4849308	0.62	40	0.92	4.4
143	215	640808	4849283	0.52	40	0.92	5.7
144	215	641783	4849158	0.88	39	0.92	3.1
146	215	642133	4848933	1.09	30	1.23	1.9
149	215	640558	4848583	0.62	45	0.78	5.8
150	215	640683	4848408	0.9	35	1.02	3.7
168	270	641758	4847383	0.59	39	0.71	2.5
169	270	642183	4847108	*	21	1.56	1.5
171	270	642183	4847008	*	18	1.62	1