E

APPENDIX E

Aquatic Plant Survey Data

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
1	553995	613436	120	Plum Lake	Vilas	7/26/2017	EEH & JBS	1	0			NONNAVIGABLE (PLANTS)																																
2	553995	613373	119	Plum Lake	Vilas	7/26/2017	EEH & JBS	2	4	Muck	Pole	SAMPLED			0																														
3	553995	613310	118	Plum Lake	Vilas	7/26/2017	EEH & JBS	3	3	Muck	Pole	SAMPLED			1													1																	
4	553995	613247	117	Plum Lake	Vilas	7/26/2017	EEH & JBS	4	2	Muck	Pole	SAMPLED			2		1			2																	1								
5	554058	613688	128	Plum Lake	Vilas	7/26/2017	EEH & JBS	5	0			DOCK																																
6	554058	613625	129	Plum Lake	Vilas	7/26/2017	EEH & JBS	6	0			DOCK																																
7	554058	613562	130	Plum Lake	Vilas	7/26/2017	EEH & JBS	7	2	Sand	Pole	SAMPLED			1																									1				
8	554058	613436	112	Plum Lake	Vilas	7/26/2017	EEH & JBS	8	3	Muck	Pole	SAMPLED			3										3																				
9	554058	613373	113	Plum Lake	Vilas	7/26/2017	EEH & JBS	9	4	Muck	Pole	SAMPLED			0																													
10	554058	613310	114	Plum Lake	Vilas	7/26/2017	EEH & JBS	10	5	Muck	Pole	SAMPLED			1										1																				
11	554058	613247	115	Plum Lake	Vilas	7/26/2017	EEH & JBS	11	5	Muck	Pole	SAMPLED			1										1																				
12	554058	613184	116	Plum Lake	Vilas	7/26/2017	EEH & JBS	12	0			NONNAVIGABLE (PLANTS)																																
13	554058	613121	108	Plum Lake	Vilas	7/26/2017	EEH & JBS	13	0			NONNAVIGABLE (PLANTS)																																
14	554121	613814	127	Plum Lake	Vilas	7/26/2017	EEH & JBS	14	1	Sand	Pole	SAMPLED			0																													
15	554121	613751	126	Plum Lake	Vilas	7/26/2017	EEH & JBS	15	5	Sand	Pole	SAMPLED			2			2							1																				
16	554121	613688	125	Plum Lake	Vilas	7/26/2017	EEH & JBS	16	13	Sand	Pole	SAMPLED			0																													
17	554121	613625	124	Plum Lake	Vilas	7/26/2017	EEH & JBS	17	0			DEEP																																
18	554121	613562	123	Plum Lake	Vilas	7/26/2017	EEH & JBS	18	9	Sand	Pole	SAMPLED			0																													
19	554121	613499	122	Plum Lake	Vilas	7/26/2017	EEH & JBS	19	6	Muck	Pole	SAMPLED			3					3																								
20	554121	613436	121	Plum Lake	Vilas	7/26/2017	EEH & JBS	20	6	Muck	Pole	SAMPLED			1	1	1			1			1			1																		
21	554121	613373	111	Plum Lake	Vilas	7/26/2017	EEH & JBS	21	6	Muck	Pole	SAMPLED			1										1																				
22	554121	613310	100	Plum Lake	Vilas	7/26/2017	EEH & JBS	22	6	Muck	Pole	SAMPLED			1	1		1																										
23	554121	613247	110	Plum Lake	Vilas	7/26/2017	EEH & JBS	23	5	Muck	Pole	SAMPLED			1										1																				
24	554121	613184	109	Plum Lake	Vilas	7/26/2017	EEH & JBS	24	4	Muck	Pole	SAMPLED			1			1																										
25	554121	613121	107	Plum Lake	Vilas	7/26/2017	EEH & JBS	25	0			NONNAVIGABLE (PLANTS)																																
26	554121	613058	106	Plum Lake	Vilas	7/26/2017	EEH & JBS	26	0			NONNAVIGABLE (PLANTS)																																
27	554184	614003	88	Plum Lake	Vilas	7/26/2017	EEH & JBS	27	1	Sand	Pole	SAMPLED			1														1																
28	554184	613940	89	Plum Lake	Vilas	7/26/2017	EEH & JBS	28	3	Sand	Pole	SAMPLED			1			1							1																				
29	554184	613877	90	Plum Lake	Vilas	7/26/2017	EEH & JBS	29	3	Sand	Pole	SAMPLED			1			1	1																										
30	554184	613814	91	Plum Lake	Vilas	7/26/2017	EEH & JBS	30	10	Sand	Pole	SAMPLED			0																													
31	554184	613751	92	Plum Lake	Vilas	7/26/2017	EEH & JBS	31	20		Rope	SAMPLED			0																													
32	554184	613688	93	Plum Lake	Vilas	7/26/2017	EEH & JBS	32	19		Rope	SAMPLED			0																													
33	554184	613625	94	Plum Lake	Vilas	7/26/2017	EEH & JBS	33	20		Rope	SAMPLED			0																													
34	554184	613562	95	Plum Lake	Vilas	7/26/2017	EEH & JBS	34	19		Rope	SAMPLED			0																													
35	554184	613499	96	Plum Lake	Vilas	7/26/2017	EEH & JBS	35	18		Rope	SAMPLED			0																													
36	554184	613436	97	Plum Lake	Vilas	7/26/2017	EEH & JBS	36	7	Muck	Pole	SAMPLED			2					1			1		1																1			
37	554184	613373	98	Plum Lake	Vilas	7/26/2017	EEH & JBS	37	7	Muck	Pole	SAMPLED			3		2			1			1												1						1			
38	554184	613310	99	Plum Lake	Vilas	7/26/2017	EEH & JBS	38	7	Muck	Pole	SAMPLED			0																													
39	554184	613247	101	Plum Lake	Vilas	7/26/2017	EEH & JBS	39	0			DOCK																																
40	554184	613184	102	Plum Lake	Vilas	7/26/2017	EEH & JBS	40	4	Sand	Pole	SAMPLED			1					1																								
41	554184	613121	105	Plum Lake	Vilas	7/26/2017	EEH & JBS	41	0			NONNAVIGABLE (PLANTS)																																
42	554184	613058	103	Plum Lake	Vilas	7/26/2017	EEH & JBS	42	4	Muck	Pole	SAMPLED			1		1			1							1	1														1		
43	554184	612995	104	Plum Lake	Vilas	7/26/2017	EEH & JBS	43	0			NONNAVIGABLE (PLANTS)																																
44	554247	614003	87	Plum Lake	Vilas	7/26/2017	EEH & JBS	44	4	Sand	Pole	SAMPLED			1			1	1						1																				
45	554247	613940	86	Plum Lake	Vilas	7/26/2017	EEH & JBS	45	12	Muck	Pole	SAMPLED			1		1									1																			
46	554247	613877	85	Plum Lake	Vilas	7/26/2017	EEH & JBS	46	7	Muck	Pole	SAMPLED			2		1																		1						1			
47	554247	613814	84	Plum Lake	Vilas	7/26/2017	EEH & JBS	47	21		Rope	SAMPLED			0																													
48	554247	613751	83	Plum Lake	Vilas	7/26/2017	EEH & JBS	48	0			DEEP																																
49	554247	613688	377	Plum Lake	Vilas	7/27/2017	EEH & JBS	49	0			DEEP																																
50	554247	613625	378	Plum Lake	Vilas	7/27/2017	EEH & JBS	50	0			DEEP																																
51	554247	613562	379	Plum Lake	Vilas	7/27/2017	EEH & JBS	51	0			DEEP																																
52	554247	613499	380	Plum Lake	Vilas	7/27/2017	EEH & JBS	52	0			DEEP																																
53	554247	613436	131	Plum Lake	Vilas	7/26/2017	EEH & JBS	53	0			DEEP																																
54	554310	614066	78	Plum Lake	Vilas	7/26/2017	EEH & JBS	54	3	Sand	Pole	SAMPLED			1		1	1		1																									
55	554310	614003	79	Plum Lake	Vilas	7/26/2017	EEH & JBS	55	17		Rope	SAMPLED			0																													
56	554310	613940	80	Plum Lake	Vilas	7/26/2017	EEH & JBS	56	17		Rope	SAMPLED			0																													
57	554310	613877	81	Plum Lake	Vilas	7/26/2017	EEH & JBS	57	10	Muck	Pole	SAMPLED			0																													
58	554310	613814	82	Plum Lake	Vilas	7/26/2017	EEH & JBS	58	0			DEEP																																
59	554310	613751	0	Plum Lake	Vilas			59	0			DEEP																																
60	554310	613688	0	Plum Lake	Vilas			60	0			DEEP																																
61	554310	613625	0	Plum Lake	Vilas			61	0			DEEP																																
62	554310	613562	0	Plum Lake	Vilas			62	0			DEEP																																
63	554310	613499	133	Plum Lake	Vilas	7/26/2017	EEH & JBS	63	0			DEEP																																
64	554310	613436	132	Plum Lake	Vilas	7/26/2017	EEH & JBS	64	2	Sand	Pole	SAMPLED			0																													
65	554373	614066	77	Plum Lake	Vilas	7/26/2017	EEH & JBS	65	3	Rock	Pole	SAMPLED			0																													
66	554373	614003	76	Plum Lake	Vilas	7/26/2017	EEH & JBS	66	3	Sand	Pole	SAMPLED			0																													
67	554373	613940	75	Plum Lake	Vilas	7/26/2017	EEH & JBS	67	16		Rope	SAMPLED			0																													
68	554373	613877	74	Plum Lake	Vilas	7/26/2017	EEH & JBS	68	18		Rope	SAMPLED			0																													
69	554373	613814	72	Plum Lake	Vilas	7/26/2017	EEH & JBS	69	17		Rope	SAMPLED			0																													
70	554373	613751	73	Plum Lake	Vilas	7/26/2017	EEH & JBS	70	0			DEEP																																

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
71	554373	613688	0	Plum Lake	Vilas			71	0			DEEP																																
72	554373	613625	0	Plum Lake	Vilas			72	0			DEEP																																
73	554373	613562	136	Plum Lake	Vilas	7/26/2017	EEH & JBS	73	0			DEEP																																
74	554373	613499	134	Plum Lake	Vilas	7/26/2017	EEH & JBS	74	4	Sand	Pole	SAMPLED			1			1																										
75	554436	614066	68	Plum Lake	Vilas	7/26/2017	EEH & JBS	75	2	Sand	Pole	SAMPLED			0																													
76	554436	614003	69	Plum Lake	Vilas	7/26/2017	EEH & JBS	76	4	Sand	Pole	SAMPLED			0																													
77	554436	613940	70	Plum Lake	Vilas	7/26/2017	EEH & JBS	77	16		Rope	SAMPLED			0																													
78	554436	613877	71	Plum Lake	Vilas	7/26/2017	EEH & JBS	78	0			DEEP																																
79	554436	613814	0	Plum Lake	Vilas			79	0			DEEP																																
80	554436	613751	0	Plum Lake	Vilas			80	0			DEEP																																
81	554436	613688	0	Plum Lake	Vilas			81	0			DEEP																																
82	554436	613625	0	Plum Lake	Vilas			82	0			DEEP																																
83	554436	613562	135	Plum Lake	Vilas	7/26/2017	EEH & JBS	83	0			DEEP																																
84	554499	614066	67	Plum Lake	Vilas	7/26/2017	EEH & JBS	84	1	Sand	Pole	SAMPLED			1			1						1																				
85	554499	614003	66	Plum Lake	Vilas	7/26/2017	EEH & JBS	85	4	Sand	Pole	SAMPLED			1			1							1																			
86	554499	613940	65	Plum Lake	Vilas	7/26/2017	EEH & JBS	86	16		Rope	SAMPLED			0																													
87	554499	613877	64	Plum Lake	Vilas	7/26/2017	EEH & JBS	87	10		Rope	SAMPLED			0																													
88	554499	613814	0	Plum Lake	Vilas			88	0			DEEP																																
89	554499	613751	0	Plum Lake	Vilas			89	0			DEEP																																
90	554499	613688	0	Plum Lake	Vilas			90	0			DEEP																																
91	554499	613625	138	Plum Lake	Vilas	7/26/2017	EEH & JBS	91	0			DEEP																																
92	554499	613562	137	Plum Lake	Vilas	7/26/2017	EEH & JBS	92	2	Sand	Pole	SAMPLED			0																													
93	554562	614003	60	Plum Lake	Vilas	7/26/2017	EEH & JBS	93	6	Muck	Pole	SAMPLED			3		3			1			1								1			1	1										
94	554562	613940	61	Plum Lake	Vilas	7/26/2017	EEH & JBS	94	17		Rope	SAMPLED			0																													
95	554562	613877	62	Plum Lake	Vilas	7/26/2017	EEH & JBS	95	0			DEEP																																
96	554562	613814	0	Plum Lake	Vilas			96	0			DEEP																																
97	554562	613751	0	Plum Lake	Vilas			97	0			DEEP																																
98	554562	613688	0	Plum Lake	Vilas			98	0			DEEP																																
99	554562	613625	139	Plum Lake	Vilas	7/26/2017	EEH & JBS	99	0			DEEP																																
100	554625	614003	59	Plum Lake	Vilas	7/26/2017	EEH & JBS	100	4	Muck	Pole	SAMPLED			3	1	1			3																								
101	554625	613940	58	Plum Lake	Vilas	7/26/2017	EEH & JBS	101	20		Rope	SAMPLED			0																													
102	554625	613877	63	Plum Lake	Vilas	7/26/2017	EEH & JBS	102	0			DEEP																																
103	554625	613814	0	Plum Lake	Vilas			103	0			DEEP																																
104	554625	613751	0	Plum Lake	Vilas			104	0			DEEP																																
105	554625	613688	141	Plum Lake	Vilas	7/26/2017	EEH & JBS	105	0			DEEP																																
106	554625	613625	140	Plum Lake	Vilas	7/26/2017	EEH & JBS	106	5	Sand	Pole	SAMPLED			1		1								1								1												
107	554688	614003	56	Plum Lake	Vilas	7/26/2017	EEH & JBS	107	4	Muck	Pole	SAMPLED			3		1			3		1													1						1			
108	554688	613940	57	Plum Lake	Vilas	7/26/2017	EEH & JBS	108	0			DEEP																																
109	554688	613877	0	Plum Lake	Vilas			109	0			DEEP																																
110	554688	613814	0	Plum Lake	Vilas			110	0			DEEP																																
111	554688	613751	142	Plum Lake	Vilas	7/26/2017	EEH & JBS	111	0			DEEP																																
112	554751	614003	55	Plum Lake	Vilas	7/26/2017	EEH & JBS	112	2	Rock	Pole	SAMPLED			0																													
113	554751	613940	54	Plum Lake	Vilas	7/26/2017	EEH & JBS	113	0			DEEP																																
114	554751	613877	0	Plum Lake	Vilas			114	0			DEEP																																
115	554751	613814	143	Plum Lake	Vilas	7/26/2017	EEH & JBS	115	0			DEEP																																
116	554814	614003	53	Plum Lake	Vilas	7/26/2017	EEH & JBS	116	0			DEEP																																
117	554814	613940	0	Plum Lake	Vilas			117	0			DEEP																																
118	554814	613877	0	Plum Lake	Vilas			118	0			DEEP																																
119	554814	613814	144	Plum Lake	Vilas	7/26/2017	EEH & JBS	119	0			DEEP																																
120	554877	614066	52	Plum Lake	Vilas	7/26/2017	EEH & JBS	120	1	Rock	Pole	SAMPLED			0																													
121	554877	614003	51	Plum Lake	Vilas	7/26/2017	EEH & JBS	121	0			DEEP																																
122	554877	613940	0	Plum Lake	Vilas			122	0			DEEP																																
123	554877	613877	0	Plum Lake	Vilas			123	0			DEEP																																
124	554877	613814	145	Plum Lake	Vilas	7/26/2017	EEH & JBS	124	0			DEEP																																
125	554940	614066	49	Plum Lake	Vilas	7/26/2017	EEH & JBS	125	8	Sand	Pole	SAMPLED			3		3			1													1												
126	554940	614003	50	Plum Lake	Vilas	7/26/2017	EEH & JBS	126	0			DEEP																																
127	554940	613940	0	Plum Lake	Vilas			127	0			DEEP																																
128	554940	613877	0	Plum Lake	Vilas			128	0			DEEP																																
129	554940	613814	146	Plum Lake	Vilas	7/26/2017	EEH & JBS	129	0			DEEP																																
130	555003	614066	48	Plum Lake	Vilas	7/26/2017	EEH & JBS	130	0			DEEP																																
131	555003	614003	0	Plum Lake	Vilas			131	0			DEEP																																
132	555003	613940	0	Plum Lake	Vilas			132	0			DEEP																																
133	555003	613877	0	Plum Lake	Vilas			133	0			DEEP																																
134	555003	613814	147	Plum Lake	Vilas	7/26/2017	EEH & JBS	134	0			DEEP																																
135	555003	613751	148	Plum Lake	Vilas	7/26/2017	EEH & JBS	135	0			DEEP																																
136	555066	614066	47	Plum Lake	Vilas	7/26/2017	EEH & JBS	136	0			DEEP																																
137	555066	614003	46	Plum Lake	Vilas	7/26/2017	EEH & JBS	137	0			DEEP																																
138	555066	613940	0	Plum Lake	Vilas			138	0			DEEP																																
139	555066	613877	0	Plum Lake	Vilas			139	0			DEEP																																
140	555066	613814	0	Plum Lake	Vilas			140	0			DEEP																																

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
141	555066	613751	150	Plum Lake	Vilas	7/26/2017	EEH & JBS	141	0			DEEP																																
142	555066	613688	149	Plum Lake	Vilas	7/26/2017	EEH & JBS	142	4	Sand	Pole	SAMPLED			1			1																										
143	555129	614129	43	Plum Lake	Vilas	7/26/2017	EEH & JBS	143	5	Sand	Pole	SAMPLED			1			1	1						1																1			
144	555129	614066	44	Plum Lake	Vilas	7/26/2017	EEH & JBS	144	19		Rope	SAMPLED			0																													
145	555129	614003	45	Plum Lake	Vilas	7/26/2017	EEH & JBS	145	0			DEEP																																
146	555129	613940	0	Plum Lake	Vilas			146	0			DEEP																																
147	555129	613877	0	Plum Lake	Vilas			147	0			DEEP																																
148	555129	613814	0	Plum Lake	Vilas			148	0			DEEP																																
149	555129	613751	151	Plum Lake	Vilas	7/26/2017	EEH & JBS	149	0			DEEP																																
150	555192	614192	42	Plum Lake	Vilas	7/26/2017	EEH & JBS	150	1	Sand	Pole	SAMPLED			1			1		1					1																			
151	555192	614129	41	Plum Lake	Vilas	7/26/2017	EEH & JBS	151	28		Rope	SAMPLED			0																													
152	555192	614066	0	Plum Lake	Vilas			152	0			DEEP																																
153	555192	614003	0	Plum Lake	Vilas			153	0			DEEP																																
154	555192	613940	0	Plum Lake	Vilas			154	0			DEEP																																
155	555192	613877	0	Plum Lake	Vilas			155	0			DEEP																																
156	555192	613814	153	Plum Lake	Vilas	7/26/2017	EEH & JBS	156	0			DEEP																																
157	555192	613751	152	Plum Lake	Vilas	7/26/2017	EEH & JBS	157	8	Sand	Pole	SAMPLED			1										1																			
158	555255	614192	39	Plum Lake	Vilas	7/26/2017	EEH & JBS	158	0			DEEP																																
159	555255	614129	40	Plum Lake	Vilas	7/26/2017	EEH & JBS	159	0			DEEP																																
160	555255	614066	0	Plum Lake	Vilas			160	0			DEEP																																
161	555255	614003	0	Plum Lake	Vilas			161	0			DEEP																																
162	555255	613940	0	Plum Lake	Vilas			162	0			DEEP																																
163	555255	613877	0	Plum Lake	Vilas			163	0			DEEP																																
164	555255	613814	154	Plum Lake	Vilas	7/26/2017	EEH & JBS	164	0			DEEP																																
165	555255	613751	155	Plum Lake	Vilas	7/26/2017	EEH & JBS	165	1	Rock	Pole	SAMPLED			0																													
166	555318	614192	38	Plum Lake	Vilas	7/26/2017	EEH & JBS	166	0			TERRESTRIAL																																
167	555318	614129	37	Plum Lake	Vilas	7/26/2017	EEH & JBS	167	0			DEEP																																
168	555318	614066	0	Plum Lake	Vilas			168	0			DEEP																																
169	555318	614003	0	Plum Lake	Vilas			169	0			DEEP																																
170	555318	613940	0	Plum Lake	Vilas			170	0			DEEP																																
171	555318	613877	0	Plum Lake	Vilas			171	0			DEEP																																
172	555318	613814	156	Plum Lake	Vilas	7/26/2017	EEH & JBS	172	0			DEEP																																
173	555318	613751	157	Plum Lake	Vilas	7/26/2017	EEH & JBS	173	6	Sand	Pole	SAMPLED			1			1		1			1		1																			
174	555318	613688	158	Plum Lake	Vilas	7/26/2017	EEH & JBS	174	9	Sand	Pole	SAMPLED			1			1		1					1	1																			
175	555318	613625	159	Plum Lake	Vilas	7/26/2017	EEH & JBS	175	0			TEMPORARY OBSTACLE																																
176	555381	614192	35	Plum Lake	Vilas	7/26/2017	EEH & JBS	176	6	Sand	Pole	SAMPLED			2					1	1		1		2								1											
177	555381	614129	36	Plum Lake	Vilas	7/26/2017	EEH & JBS	177	0			DEEP																																
178	555381	614066	0	Plum Lake	Vilas			178	0			DEEP																																
179	555381	614003	0	Plum Lake	Vilas			179	0			DEEP																																
180	555381	613940	0	Plum Lake	Vilas			180	0			DEEP																																
181	555381	613877	0	Plum Lake	Vilas			181	0			DEEP																																
182	555381	613814	162	Plum Lake	Vilas	7/26/2017	EEH & JBS	182	0			DEEP																																
183	555381	613751	161	Plum Lake	Vilas	7/26/2017	EEH & JBS	183	0			DEEP																																
184	555381	613688	160	Plum Lake	Vilas	7/26/2017	EEH & JBS	184	0			DEEP																																
185	555444	614192	34	Plum Lake	Vilas	#########	EEH & JBS	185	9	Sand	Pole	SAMPLED			3		1			1			1																	1			
186	555444	614129	33	Plum Lake	Vilas	#########	EEH & JBS	186	0			DEEP																																
187	555444	614066	0	Plum Lake	Vilas			187	0			DEEP																																
188	555444	614003	0	Plum Lake	Vilas			188	0			DEEP																																
189	555444	613940	0	Plum Lake	Vilas			189	0			DEEP																																
190	555444	613877	164	Plum Lake	Vilas	#########	EEH & JBS	190	0			DEEP																																
191	555444	613814	163	Plum Lake	Vilas	#########	EEH & JBS	191	4	Rock	Pole	SAMPLED			0																													
192	555444	613688	439	Plum Lake	Vilas	#########	EEH & JBS	192	0			NONNAVIGABLE (PLANTS)																																
193	555507	614318	30	Plum Lake	Vilas	#########	EEH & JBS	193	0			NONNAVIGABLE (PLANTS)																																
194	555507	614255	31	Plum Lake	Vilas	#########	EEH & JBS	194	12	Sand	Pole	SAMPLED			2		2			1	1																							
195	555507	614192	32	Plum Lake	Vilas	#########	EEH & JBS	195	0			DEEP																					1											
196	555507	614129	0	Plum Lake	Vilas			196	0			DEEP																																
197	555507	614066	0	Plum Lake	Vilas			197	0			DEEP																																
198	555507	614003	0	Plum Lake	Vilas			198	0			DEEP																																
199	555507	613940	0	Plum Lake	Vilas			199	0			DEEP																																
200	555507	613877	165	Plum Lake	Vilas	#########	EEH & JBS	200	0			DEEP																																
201	555507	613814	166	Plum Lake	Vilas	#########	EEH & JBS	201	1	Sand	Pole	SAMPLED			0																													
202	555570	614444	376	Plum Lake	Vilas	#########	EEH & JBS	202	0			TERRESTRIAL																																
203	555570	614381	29	Plum Lake	Vilas	#########	EEH & JBS	203	4	Muck	Pole	SAMPLED			1			1		1					1															1			
204	555570	614318	28	Plum Lake	Vilas	#########	EEH & JBS	204	2	Rock	Pole	SAMPLED			1			1																										
205	555570	614255	27	Plum Lake	Vilas	#########	EEH & JBS	205	0			DEEP																																
206	555570	614192	0	Plum Lake	Vilas			206	0			DEEP																																
207	555570	614129	0	Plum Lake	Vilas			207	0			DEEP																																
208	555570	614066	0	Plum Lake	Vilas			208	0			DEEP																																
209	555570	614003	0	Plum Lake	Vilas			209	0			DEEP																																
210	555570	613940	0	Plum Lake	Vilas			210	0			DEEP																																

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
211	555570	613877	0	Plum Lake	Vilas			211	0			DEEP																																
212	555570	613814	167	Plum Lake	Vilas	#########	EEH & JBS	212	0			DEEP																																
213	555633	614444	23	Plum Lake	Vilas	7/26/2017	EEH & JBS	213	0			TERRESTRIAL																																
214	555633	614381	24	Plum Lake	Vilas	7/26/2017	EEH & JBS	214	4	Muck	Pole	SAMPLED			3			1	3	1																				1			
215	555633	614318	25	Plum Lake	Vilas	7/26/2017	EEH & JBS	215	4	Sand	Pole	SAMPLED			1			1							1																			
216	555633	614255	26	Plum Lake	Vilas	7/26/2017	EEH & JBS	216	0			DEEP																																
217	555633	614192	0	Plum Lake	Vilas			217	0			DEEP																																
218	555633	614129	0	Plum Lake	Vilas			218	0			DEEP																																
219	555633	614066	0	Plum Lake	Vilas			219	0			DEEP																																
220	555633	614003	0	Plum Lake	Vilas			220	0			DEEP																																
221	555633	613940	0	Plum Lake	Vilas			221	0			DEEP																																
222	555633	613877	0	Plum Lake	Vilas			222	0			DEEP																																
223	555633	613814	168	Plum Lake	Vilas	7/26/2017	EEH & JBS	223	0			DEEP																																
224	555633	613751	169	Plum Lake	Vilas	7/26/2017	EEH & JBS	224	9	Sand	Pole	SAMPLED			3					1													3											
225	555696	614444	22	Plum Lake	Vilas	7/26/2017	EEH & JBS	225	3	Muck	Pole	SAMPLED			1			1		1					1													1			1			
226	555696	614381	20	Plum Lake	Vilas	7/26/2017	EEH & JBS	226	4	Muck	Pole	SAMPLED			3	1	2			1	1																			1			
227	555696	614318	19	Plum Lake	Vilas	7/26/2017	EEH & JBS	227	4	Sand	Pole	SAMPLED			1			1							1																			
228	555696	614255	18	Plum Lake	Vilas	7/26/2017	EEH & JBS	228	5	Sand	Pole	SAMPLED			1			1	1																									
229	555696	614192	17	Plum Lake	Vilas	7/26/2017	EEH & JBS	229	0			DEEP																																
230	555696	614129	0	Plum Lake	Vilas			230	0			DEEP																																
231	555696	614066	0	Plum Lake	Vilas			231	0			DEEP																																
232	555696	614003	0	Plum Lake	Vilas			232	0			DEEP																																
233	555696	613940	0	Plum Lake	Vilas			233	0			DEEP																																
234	555696	613877	0	Plum Lake	Vilas			234	0			DEEP																																
235	555696	613814	0	Plum Lake	Vilas			235	0			DEEP																																
236	555696	613751	170	Plum Lake	Vilas	7/26/2017	EEH & JBS	236	0			DEEP																																
237	555759	614381	21	Plum Lake	Vilas	7/26/2017	EEH & JBS	237	0			TERRESTRIAL																																
238	555759	614255	16	Plum Lake	Vilas	7/26/2017	EEH & JBS	238	1	Rock	Pole	SAMPLED			1				1					1									1								1			
239	555759	614192	15	Plum Lake	Vilas	7/26/2017	EEH & JBS	239	0			DEEP																																
240	555759	614129	14	Plum Lake	Vilas	7/26/2017	EEH & JBS	240	0			DEEP																																
241	555759	614066	0	Plum Lake	Vilas			241	0			DEEP																																
242	555759	614003	0	Plum Lake	Vilas			242	0			DEEP																																
243	555759	613940	0	Plum Lake	Vilas			243	0			DEEP																																
244	555759	613877	0	Plum Lake	Vilas			244	0			DEEP																																
245	555759	613814	0	Plum Lake	Vilas			245	0			DEEP																																
246	555759	613751	171	Plum Lake	Vilas	7/26/2017	EEH & JBS	246	0			DEEP																																
247	555759	613688	172	Plum Lake	Vilas	7/26/2017	EEH & JBS	247	14	Sand	Pole	SAMPLED			0																													
248	555759	613625	173	Plum Lake	Vilas	7/26/2017	EEH & JBS	248	0			DEEP																																
249	555822	614192	13	Plum Lake	Vilas	7/26/2017	EEH & JBS	249	7	Rock	Pole	SAMPLED			3					1			1										3								1			
250	555822	614129	12	Plum Lake	Vilas	7/26/2017	EEH & JBS	250	0			DEEP																																
251	555822	614066	0	Plum Lake	Vilas			251	0			DEEP																																
252	555822	614003	0	Plum Lake	Vilas			252	0			DEEP																																
253	555822	613940	0	Plum Lake	Vilas			253	0			DEEP																																
254	555822	613877	0	Plum Lake	Vilas			254	0			DEEP																																
255	555822	613814	0	Plum Lake	Vilas			255	0			DEEP																																
256	555822	613751	0	Plum Lake	Vilas			256	0			DEEP																																
257	555822	613688	0	Plum Lake	Vilas			257	0			DEEP																																
258	555822	613625	175	Plum Lake	Vilas	7/26/2017	EEH & JBS	258	0			DEEP																																
259	555822	613562	174	Plum Lake	Vilas	7/26/2017	EEH & JBS	259	17	Sand	Pole	SAMPLED			0																													
260	555885	614129	11	Plum Lake	Vilas	7/26/2017	EEH & JBS	260	0			DEEP																																
261	555885	614066	0	Plum Lake	Vilas			261	0			DEEP																																
262	555885	614003	0	Plum Lake	Vilas			262	0			DEEP																																
263	555885	613940	0	Plum Lake	Vilas			263	0			DEEP																																
264	555885	613877	0	Plum Lake	Vilas			264	0			DEEP																																
265	555885	613814	0	Plum Lake	Vilas			265	0			DEEP																																
266	555885	613751	0	Plum Lake	Vilas			266	0			DEEP																																
267	555885	613688	0	Plum Lake	Vilas			267	0			DEEP																																
268	555885	613625	176	Plum Lake	Vilas	7/26/2017	EEH & JBS	268	0			DEEP																																
269	555885	613562	177	Plum Lake	Vilas	7/26/2017	EEH & JBS	269	0			DOCK																																
270	555948	614129	10	Plum Lake	Vilas	7/26/2017	EEH & JBS	270	2	Rock	Pole	SAMPLED			0																													
271	555948	614066	9	Plum Lake	Vilas	7/26/2017	EEH & JBS	271	0			DEEP																																
272	555948	614003	0	Plum Lake	Vilas			272	0			DEEP																																
273	555948	613940	0	Plum Lake	Vilas			273	0			DEEP																																
274	555948	613877	0	Plum Lake	Vilas			274	0			DEEP																																
275	555948	613814	0	Plum Lake	Vilas			275	0			DEEP																																
276	555948	613751	0	Plum Lake	Vilas			276	0			DEEP																																
277	555948	613688	0	Plum Lake	Vilas			277	0			DEEP																																
278	555948	613625	178	Plum Lake	Vilas	7/26/2017	EEH & JBS	278	0			DEEP																																
279	556011	614066	8	Plum Lake	Vilas	7/26/2017	EEH & JBS	279	0			DEEP																																
280	556011	614003	0	Plum Lake	Vilas			280	0			DEEP																																

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
281	556011	613940	0	Plum Lake	Vilas			281	0			DEEP																																
282	556011	613877	0	Plum Lake	Vilas			282	0			DEEP																																
283	556011	613814	0	Plum Lake	Vilas			283	0			DEEP																																
284	556011	613751	0	Plum Lake	Vilas			284	0			DEEP																																
285	556011	613688	180	Plum Lake	Vilas	7/26/2017	EEH & JBS	285	0			DEEP																																
286	556011	613625	179	Plum Lake	Vilas	7/26/2017	EEH & JBS	286	4	Rock	Pole	SAMPLED			0																													
287	556074	614129	6	Plum Lake	Vilas	7/26/2017	EEH & JBS	287	1	Rock	Pole	SAMPLED			0																													
288	556074	614066	7	Plum Lake	Vilas	7/26/2017	EEH & JBS	288	0			DEEP																																
289	556074	614003	0	Plum Lake	Vilas			289	0			DEEP																																
290	556074	613940	0	Plum Lake	Vilas			290	0			DEEP																																
291	556074	613877	0	Plum Lake	Vilas			291	0			DEEP																																
292	556074	613814	0	Plum Lake	Vilas			292	0			DEEP																																
293	556074	613751	182	Plum Lake	Vilas	7/26/2017	EEH & JBS	293	0			DEEP																																
294	556074	613688	181	Plum Lake	Vilas	7/26/2017	EEH & JBS	294	8	Rock	Pole	SAMPLED			1					1					1								1											
295	556137	614129	5	Plum Lake	Vilas	7/26/2017	EEH & JBS	295	0			DEEP																																
296	556137	614066	0	Plum Lake	Vilas			296	0			DEEP																																
297	556137	614003	0	Plum Lake	Vilas			297	0			DEEP																																
298	556137	613940	0	Plum Lake	Vilas			298	0			DEEP																																
299	556137	613877	441	Plum Lake	Vilas	7/27/2017	EEH & JBS	299	0			DEEP																																
300	556137	613814	440	Plum Lake	Vilas	7/27/2017	EEH & JBS	300	0			DEEP																																
301	556137	613751	183	Plum Lake	Vilas	7/26/2017	EEH & JBS	301	0			DEEP																																
302	556200	614129	4	Plum Lake	Vilas	7/26/2017	EEH & JBS	302	0			DEEP																																
303	556200	614066	0	Plum Lake	Vilas			303	0			DEEP																																
304	556200	614003	0	Plum Lake	Vilas			304	0			DEEP																																
305	556200	613940	186	Plum Lake	Vilas	7/26/2017	EEH & JBS	305	0			DEEP																																
306	556200	613877	185	Plum Lake	Vilas	7/26/2017	EEH & JBS	306	15	Sand	Pole	SAMPLED			0																													
307	556200	613814	184	Plum Lake	Vilas	7/26/2017	EEH & JBS	307	2	Rock	Pole	SAMPLED			0																													
308	556263	614129	3	Plum Lake	Vilas	7/26/2017	EEH & JBS	308	0			DEEP																																
309	556263	614066	0	Plum Lake	Vilas			309	0			DEEP																																
310	556263	614003	0	Plum Lake	Vilas			310	0			DEEP																																
311	556263	613940	187	Plum Lake	Vilas	7/26/2017	EEH & JBS	311	0			DEEP																																
312	556263	613877	188	Plum Lake	Vilas	7/26/2017	EEH & JBS	312	4	Sand	Pole	SAMPLED			0																													
313	556326	614192	1	Plum Lake	Vilas	7/26/2017	EEH & JBS	313	11	Rock	Pole	SAMPLED			0																													
314	556326	614129	2	Plum Lake	Vilas	7/26/2017	EEH & JBS	314	0			DEEP																																
315	556326	614066	0	Plum Lake	Vilas			315	0			DEEP																																
316	556326	614003	0	Plum Lake	Vilas			316	0			DEEP																																
317	556326	613940	190	Plum Lake	Vilas	7/26/2017	EEH & JBS	317	0			DEEP																																
318	556326	613877	189	Plum Lake	Vilas	7/26/2017	EEH & JBS	318	2	Sand	Pole	SAMPLED			0																													
319	556389	614192	1	Plum Lake	Vilas	7/26/2017	LJS & NLS	319	26			DEEP																																
320	556389	614129	0	Plum Lake	Vilas			320	0			DEEP																																
321	556389	614066	0	Plum Lake	Vilas			321	0			DEEP																																
322	556389	614003	0	Plum Lake	Vilas			322	0			DEEP																																
323	556389	613940	191	Plum Lake	Vilas	7/26/2017	EEH & JBS	323	0			DEEP																																
324	556389	613877	192	Plum Lake	Vilas	7/26/2017	EEH & JBS	324	0			DEEP																																
325	556389	613814	193	Plum Lake	Vilas	7/26/2017	EEH & JBS	325	15	Sand	Pole	SAMPLED			0																													
326	556452	614381	10	Plum Lake	Vilas	7/26/2017	LJS & NLS	326	2	Sand	Pole	SAMPLED			2																2													
327	556452	614192	2	Plum Lake	Vilas	7/26/2017	LJS & NLS	327	36			DEEP																																
328	556452	614129	0	Plum Lake	Vilas			328	0			DEEP																																
329	556452	614066	0	Plum Lake	Vilas			329	0			DEEP																																
330	556452	614003	0	Plum Lake	Vilas			330	0			DEEP																																
331	556452	613940	0	Plum Lake	Vilas			331	0			DEEP																																
332	556452	613877	195	Plum Lake	Vilas	7/26/2017	EEH & JBS	332	0			DEEP																																
333	556452	613814	194	Plum Lake	Vilas	7/26/2017	EEH & JBS	333	8	Sand	Pole	SAMPLED			1			1		1																								
334	556515	614570	20	Plum Lake	Vilas	7/26/2017	LJS & NLS	334	3	Sand	Pole	SAMPLED			1													1																
335	556515	614507	15	Plum Lake	Vilas	7/26/2017	LJS & NLS	335	0			SHALLOW																																
336	556515	614444	13	Plum Lake	Vilas	7/26/2017	LJS & NLS	336	0			SHALLOW																																
337	556515	614381	9	Plum Lake	Vilas	7/26/2017	LJS & NLS	337	4	Sand	Pole	SAMPLED			0																													
338	556515	614318	8	Plum Lake	Vilas	7/26/2017	LJS & NLS	338	4	Rock	Pole	SAMPLED			0																													
339	556515	614255	4	Plum Lake	Vilas	7/26/2017	LJS & NLS	339	10	Sand	Pole	SAMPLED			0																													
340	556515	614192	3	Plum Lake	Vilas	7/26/2017	LJS & NLS	340	35			DEEP																																
341	556515	614129	0	Plum Lake	Vilas			341	0			DEEP																																
342	556515	614066	0	Plum Lake	Vilas			342	0			DEEP																																
343	556515	614003	0	Plum Lake	Vilas			343	0			DEEP																																
344	556515	613940	197	Plum Lake	Vilas	7/26/2017	EEH & JBS	344	0			DEEP																																
345	556515	613877	196	Plum Lake	Vilas	7/26/2017	EEH & JBS	345	5	Rock	Pole	SAMPLED			0																													
346	556578	614633	22	Plum Lake	Vilas	7/26/2017	LJS & NLS	346	8	Sand	Pole	SAMPLED			0																													
347	556578	614570	19	Plum Lake	Vilas	7/26/2017	LJS & NLS	347	20		Rope	SAMPLED			0																													
348	556578	614507	14	Plum Lake	Vilas	7/26/2017	LJS & NLS	348	13	Sand	Pole	SAMPLED			0																													
349	556578	614444	12	Plum Lake	Vilas	7/26/2017	LJS & NLS	349	18		Rope	SAMPLED			0																													
350	556578	614381	11	Plum Lake	Vilas	7/26/2017	LJS & NLS	350	40			DEEP																																

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
351	556578	614318	7	Plum Lake	Vilas	7/26/2017	LJS & NLS	351	45			DEEP																																
352	556578	614255	6	Plum Lake	Vilas	7/26/2017	LJS & NLS	352	50			DEEP																																
353	556578	614192	5	Plum Lake	Vilas	7/26/2017	LJS & NLS	353	0			DEEP																																
354	556578	614129	442	Plum Lake	Vilas	7/27/2017	EEH & JBS	354	0			DEEP																																
355	556578	614066	199	Plum Lake	Vilas	7/26/2017	EEH & JBS	355	0			DEEP																																
356	556578	614003	198	Plum Lake	Vilas	7/26/2017	EEH & JBS	356	6	Rock	Pole	SAMPLED			0																													
357	556641	615011	50	Plum Lake	Vilas	7/26/2017	LJS & NLS	357	15	Sand	Pole	SAMPLED			0																													
358	556641	614948	49	Plum Lake	Vilas	7/26/2017	LJS & NLS	358	8	Sand	Pole	SAMPLED			1					1					1								1	1											
359	556641	614696	24	Plum Lake	Vilas	7/26/2017	LJS & NLS	359	0			NONNAVIGABLE (PLANTS)																																
360	556641	614633	23	Plum Lake	Vilas	7/26/2017	LJS & NLS	360	16		Rope	SAMPLED			0																													
361	556641	614570	17	Plum Lake	Vilas	7/26/2017	LJS & NLS	361	32			DEEP																																
362	556641	614507	16	Plum Lake	Vilas	7/26/2017	LJS & NLS	362	33			DEEP																																
363	556641	614444	18	Plum Lake	Vilas	7/26/2017	LJS & NLS	363	0			DEEP																																
364	556641	614381	21	Plum Lake	Vilas	7/26/2017	LJS & NLS	364	0			DEEP																																
365	556641	614318	0	Plum Lake	Vilas			365	0			DEEP																																
366	556641	614255	0	Plum Lake	Vilas			366	0			DEEP																																
367	556641	614192	201	Plum Lake	Vilas	7/26/2017	EEH & JBS	367	0			DEEP																																
368	556641	614129	200	Plum Lake	Vilas	7/26/2017	EEH & JBS	368	10	Sand	Pole	SAMPLED			1										1																				
369	556704	615011	51	Plum Lake	Vilas	7/26/2017	LJS & NLS	369	18		Rope	SAMPLED			0																													
370	556704	614948	48	Plum Lake	Vilas	7/26/2017	LJS & NLS	370	18		Rope	SAMPLED			0																													
371	556704	614696	26	Plum Lake	Vilas	7/26/2017	LJS & NLS	371	20		Rope	SAMPLED			0																													
372	556704	614633	25	Plum Lake	Vilas	7/26/2017	LJS & NLS	372	0			DEEP																																
373	556704	614570	27	Plum Lake	Vilas	7/26/2017	LJS & NLS	373	0			DEEP																																
374	556704	614507	0	Plum Lake	Vilas			374	0			DEEP																																
375	556704	614444	0	Plum Lake	Vilas			375	0			DEEP																																
376	556704	614381	0	Plum Lake	Vilas			376	0			DEEP																																
377	556704	614318	0	Plum Lake	Vilas			377	0			DEEP																																
378	556704	614255	0	Plum Lake	Vilas			378	0			DEEP																																
379	556704	614192	202	Plum Lake	Vilas	7/26/2017	EEH & JBS	379	0			DEEP																																
380	556704	614129	203	Plum Lake	Vilas	7/26/2017	EEH & JBS	380	2	Sand	Pole	SAMPLED			0																													
381	556767	615011	52	Plum Lake	Vilas	7/26/2017	LJS & NLS	381	18		Rope	SAMPLED			0																													
382	556767	614948	47	Plum Lake	Vilas	7/26/2017	LJS & NLS	382	20		Rope	SAMPLED			0																													
383	556767	614885	41	Plum Lake	Vilas	7/26/2017	LJS & NLS	383	9	Rock	Pole	SAMPLED			0																													
384	556767	614822	40	Plum Lake	Vilas	7/26/2017	LJS & NLS	384	1	Rock	Pole	SAMPLED			0																													
385	556767	614759	30	Plum Lake	Vilas	7/26/2017	LJS & NLS	385	17		Rope	SAMPLED			0																													
386	556767	614696	29	Plum Lake	Vilas	7/26/2017	LJS & NLS	386	25			DEEP																																
387	556767	614633	28	Plum Lake	Vilas	7/26/2017	LJS & NLS	387	0			DEEP																																
388	556767	614570	0	Plum Lake	Vilas			388	0			DEEP																																
389	556767	614507	0	Plum Lake	Vilas			389	0			DEEP																																
390	556767	614444	0	Plum Lake	Vilas			390	0			DEEP																																
391	556767	614381	0	Plum Lake	Vilas			391	0			DEEP																																
392	556767	614318	0	Plum Lake	Vilas			392	0			DEEP																																
393	556767	614255	0	Plum Lake	Vilas			393	0			DEEP																																
394	556767	614192	204	Plum Lake	Vilas	7/26/2017	EEH & JBS	394	0			DEEP																																
395	556830	615074	56	Plum Lake	Vilas	7/26/2017	LJS & NLS	395	2	Sand	Pole	SAMPLED			1										1																				
396	556830	615011	53	Plum Lake	Vilas	7/26/2017	LJS & NLS	396	19		Rope	SAMPLED			0																													
397	556830	614948	46	Plum Lake	Vilas	7/26/2017	LJS & NLS	397	19		Rope	SAMPLED			0																													
398	556830	614885	42	Plum Lake	Vilas	7/26/2017	LJS & NLS	398	22			DEEP																																
399	556830	614822	39	Plum Lake	Vilas	7/26/2017	LJS & NLS	399	9	Muck	Pole	SAMPLED			0																													
400	556830	614759	32	Plum Lake	Vilas	7/26/2017	LJS & NLS	400	11	Sand	Pole	SAMPLED			0																													
401	556830	614696	31	Plum Lake	Vilas	7/26/2017	LJS & NLS	401	0			DEEP																																
402	556830	614633	0	Plum Lake	Vilas			402	0			DEEP																																
403	556830	614570	0	Plum Lake	Vilas			403	0			DEEP																																
404	556830	614507	0	Plum Lake	Vilas			404	0			DEEP																																
405	556830	614444	0	Plum Lake	Vilas			405	0			DEEP																																
406	556830	614381	0	Plum Lake	Vilas			406	0			DEEP																																
407	556830	614318	0	Plum Lake	Vilas			407	0			DEEP																																
408	556830	614255	206	Plum Lake	Vilas	7/26/2017	EEH & JBS	408	0			DEEP																																
409	556830	614192	205	Plum Lake	Vilas	7/26/2017	EEH & JBS	409	7	Rock	Pole	SAMPLED			0																													
410	556893	615200	58	Plum Lake	Vilas	7/26/2017	LJS & NLS	410	2	Muck	Pole	SAMPLED			2					2					1								1								1				
411	556893	615137	57	Plum Lake	Vilas	7/26/2017	LJS & NLS	411	14	Muck	Pole	SAMPLED			0																													
412	556893	615074	55	Plum Lake	Vilas	7/26/2017	LJS & NLS	412	19		Rope	SAMPLED			0																													
413	556893	615011	54	Plum Lake	Vilas	7/26/2017	LJS & NLS	413	23			DEEP																																
414	556893	614948	45	Plum Lake	Vilas	7/26/2017	LJS & NLS	414	20		Rope	SAMPLED			0																													
415	556893	614885	43	Plum Lake	Vilas	7/26/2017	LJS & NLS	415	25			DEEP																																
416	556893	614822	38	Plum Lake	Vilas	7/26/2017	LJS & NLS	416	14	Sand	Pole	SAMPLED			0																													
417	556893	614759	33	Plum Lake	Vilas	7/26/2017	LJS & NLS	417	7	Sand	Pole	SAMPLED			0																													
418	556893	614696	34	Plum Lake	Vilas	7/26/2017	LJS & NLS	418	0			DEEP																																
419	556893	614633	0	Plum Lake	Vilas			419	0			DEEP																																
420	556893	614570	0	Plum Lake	Vilas			420	0			DEEP																																

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
421	556893	614507	0	Plum Lake	Vilas			421	0			DEEP																																
422	556893	614444	0	Plum Lake	Vilas			422	0			DEEP																																
423	556893	614381	0	Plum Lake	Vilas			423	0			DEEP																																
424	556893	614318	0	Plum Lake	Vilas			424	0			DEEP																																
425	556893	614255	207	Plum Lake	Vilas	7/26/2017	EEH & JBS	425	0			TEMPORARY OBSTACLE																																
426	556956	615137	59	Plum Lake	Vilas	7/26/2017	LJS & NLS	426	5	Sand	Pole	SAMPLED			0																													
427	556956	615074	60	Plum Lake	Vilas	7/26/2017	LJS & NLS	427	23			DEEP																																
428	556956	615011	61	Plum Lake	Vilas	7/26/2017	LJS & NLS	428	30			DEEP																																
429	556956	614948	62	Plum Lake	Vilas	7/26/2017	LJS & NLS	429	0			DEEP																																
430	556956	614885	44	Plum Lake	Vilas	7/26/2017	LJS & NLS	430	0			DEEP																																
431	556956	614822	37	Plum Lake	Vilas	7/26/2017	LJS & NLS	431	29			DEEP																																
432	556956	614759	36	Plum Lake	Vilas	7/26/2017	LJS & NLS	432	25			DEEP																																
433	556956	614696	35	Plum Lake	Vilas	7/26/2017	LJS & NLS	433	0			DEEP																																
434	556956	614633	0	Plum Lake	Vilas			434	0			DEEP																																
435	556956	614570	0	Plum Lake	Vilas			435	0			DEEP																																
436	556956	614507	0	Plum Lake	Vilas			436	0			DEEP																																
437	556956	614444	0	Plum Lake	Vilas			437	0			DEEP																																
438	556956	614381	0	Plum Lake	Vilas			438	0			DEEP																																
439	556956	614318	0	Plum Lake	Vilas			439	0			DEEP																																
440	556956	614255	208	Plum Lake	Vilas	7/26/2017	EEH & JBS	440	0			DEEP																																
441	557019	615074	64	Plum Lake	Vilas	7/26/2017	LJS & NLS	441	10	Rock	Pole	SAMPLED			0																													
442	557019	615011	63	Plum Lake	Vilas	7/26/2017	LJS & NLS	442	26			DEEP																																
443	557019	614948	68	Plum Lake	Vilas	7/26/2017	LJS & NLS	443	0			DEEP																																
444	557019	614885	69	Plum Lake	Vilas	7/26/2017	LJS & NLS	444	0			DEEP																																
445	557019	614822	0	Plum Lake	Vilas			445	0			DEEP																																
446	557019	614759	0	Plum Lake	Vilas			446	0			DEEP																																
447	557019	614696	0	Plum Lake	Vilas			447	0			DEEP																																
448	557019	614633	0	Plum Lake	Vilas			448	0			DEEP																																
449	557019	614570	0	Plum Lake	Vilas			449	0			DEEP																																
450	557019	614507	0	Plum Lake	Vilas			450	0			DEEP																																
451	557019	614444	0	Plum Lake	Vilas			451	0			DEEP																																
452	557019	614381	0	Plum Lake	Vilas			452	0			DEEP																																
453	557019	614318	0	Plum Lake	Vilas			453	0			DEEP																																
454	557019	614255	209	Plum Lake	Vilas	7/26/2017	EEH & JBS	454	0			DEEP																																
455	557082	615074	65	Plum Lake	Vilas	7/26/2017	LJS & NLS	455	4	Rock	Pole	SAMPLED			0																													
456	557082	615011	66	Plum Lake	Vilas	7/26/2017	LJS & NLS	456	6	Rock	Pole	SAMPLED			0																													
457	557082	614948	67	Plum Lake	Vilas	7/26/2017	LJS & NLS	457	12	Rock	Pole	SAMPLED			0																													
458	557082	614885	70	Plum Lake	Vilas	7/26/2017	LJS & NLS	458	0			DEEP																																
459	557082	614822	0	Plum Lake	Vilas			459	0			DEEP																																
460	557082	614759	0	Plum Lake	Vilas			460	0			DEEP																																
461	557082	614696	0	Plum Lake	Vilas			461	0			DEEP																																
462	557082	614633	0	Plum Lake	Vilas			462	0			DEEP																																
463	557082	614570	0	Plum Lake	Vilas			463	0			DEEP																																
464	557082	614507	0	Plum Lake	Vilas			464	0			DEEP																																
465	557082	614444	0	Plum Lake	Vilas			465	0			DEEP																																
466	557082	614381	0	Plum Lake	Vilas			466	0			DEEP																																
467	557082	614318	0	Plum Lake	Vilas			467	0			DEEP																																
468	557082	614255	210	Plum Lake	Vilas	7/26/2017	EEH & JBS	468	0			DEEP																																
469	557082	614192	211	Plum Lake	Vilas	7/26/2017	EEH & JBS	469	2	Sand	Pole	SAMPLED			1										1																			
470	557145	615011	72	Plum Lake	Vilas	7/26/2017	LJS & NLS	470	13	Sand	Pole	SAMPLED			0																													
471	557145	614948	71	Plum Lake	Vilas	7/26/2017	LJS & NLS	471	31			DEEP																																
472	557145	614885	77	Plum Lake	Vilas	7/26/2017	LJS & NLS	472	0			DEEP																																
473	557145	614822	0	Plum Lake	Vilas			473	0			DEEP																																
474	557145	614759	0	Plum Lake	Vilas			474	0			DEEP																																
475	557145	614696	0	Plum Lake	Vilas			475	0			DEEP																																
476	557145	614633	94	Plum Lake	Vilas	7/26/2017	LJS & NLS	476	0			DEEP																																
477	557145	614570	93	Plum Lake	Vilas	7/26/2017	LJS & NLS	477	0			DEEP																																
478	557145	614507	0	Plum Lake	Vilas			478	0			DEEP																																
479	557145	614444	0	Plum Lake	Vilas			479	0			DEEP																																
480	557145	614381	0	Plum Lake	Vilas			480	0			DEEP																																
481	557145	614318	0	Plum Lake	Vilas			481	0			DEEP																																
482	557145	614255	213	Plum Lake	Vilas	7/26/2017	EEH & JBS	482	0			DEEP																																
483	557145	614192	212	Plum Lake	Vilas	7/26/2017	EEH & JBS	483	1	Rock	Pole	SAMPLED			0																													
484	557208	615011	73	Plum Lake	Vilas	7/26/2017	LJS & NLS	484	13	Sand	Pole	SAMPLED			0																													
485	557208	614948	74	Plum Lake	Vilas	7/26/2017	LJS & NLS	485	28			DEEP																																
486	557208	614885	78	Plum Lake	Vilas	7/26/2017	LJS & NLS	486	0			DEEP																																
487	557208	614822	80	Plum Lake	Vilas	7/26/2017	LJS & NLS	487	0			DEEP																																
488	557208	614759	0	Plum Lake	Vilas			488	0			DEEP																																
489	557208	614696	95	Plum Lake	Vilas	7/26/2017	LJS & NLS	489	0			DEEP																																
490	557208	614633	86	Plum Lake	Vilas	7/26/2017	LJS & NLS	490	36			DEEP																																

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
491	557208	614570	87	Plum Lake	Vilas	7/26/2017	LJS & NLS	491	14	Rock	Pole	SAMPLED			0																													
492	557208	614507	92	Plum Lake	Vilas	7/26/2017	LJS & NLS	492	27			DEEP																																
493	557208	614444	0	Plum Lake	Vilas			493	0			DEEP																																
494	557208	614381	0	Plum Lake	Vilas			494	0			DEEP																																
495	557208	614318	0	Plum Lake	Vilas			495	0			DEEP																																
496	557208	614255	214	Plum Lake	Vilas	7/26/2017	EEH & JBS	496	0			DEEP																																
497	557271	614948	75	Plum Lake	Vilas	7/26/2017	LJS & NLS	497	4	Sand	Pole	SAMPLED			0																													
498	557271	614885	76	Plum Lake	Vilas	7/26/2017	LJS & NLS	498	19		Rope	SAMPLED			0																													
499	557271	614822	79	Plum Lake	Vilas	7/26/2017	LJS & NLS	499	39			DEEP																																
500	557271	614759	0	Plum Lake	Vilas			500	0			DEEP																																
501	557271	614696	88	Plum Lake	Vilas	7/26/2017	LJS & NLS	501	0			DEEP																																
502	557271	614633	85	Plum Lake	Vilas	7/26/2017	LJS & NLS	502	23			DEEP																																
503	557271	614570	89	Plum Lake	Vilas	7/26/2017	LJS & NLS	503	2	Rock	Pole	SAMPLED			0																													
504	557271	614507	91	Plum Lake	Vilas	7/26/2017	LJS & NLS	504	35			DEEP																																
505	557271	614444	98	Plum Lake	Vilas	7/26/2017	LJS & NLS	505	0			DEEP																																
506	557271	614381	0	Plum Lake	Vilas			506	0			DEEP																																
507	557271	614318	0	Plum Lake	Vilas			507	0			DEEP																																
508	557271	614255	215	Plum Lake	Vilas	7/26/2017	EEH & JBS	508	0			DEEP																																
509	557334	614822	81	Plum Lake	Vilas	7/26/2017	LJS & NLS	509	11	Rock	Pole	SAMPLED			0																													
510	557334	614759	82	Plum Lake	Vilas	7/26/2017	LJS & NLS	510	40			DEEP																																
511	557334	614696	83	Plum Lake	Vilas	7/26/2017	LJS & NLS	511	45			DEEP																																
512	557334	614633	84	Plum Lake	Vilas	7/26/2017	LJS & NLS	512	13	Sand	Pole	SAMPLED			0																													
513	557334	614507	90	Plum Lake	Vilas	7/26/2017	LJS & NLS	513	19		Rope	SAMPLED			0																													
514	557334	614444	96	Plum Lake	Vilas	7/26/2017	LJS & NLS	514	48			DEEP																																
515	557334	614381	0	Plum Lake	Vilas			515	0			DEEP																																
516	557334	614318	0	Plum Lake	Vilas			516	0			DEEP																																
517	557334	614255	216	Plum Lake	Vilas	7/26/2017	EEH & JBS	517	0			DEEP																																
518	557397	614822	109	Plum Lake	Vilas	7/26/2017	LJS & NLS	518	9	Rock	Pole	SAMPLED			0																													
519	557397	614759	108	Plum Lake	Vilas	7/26/2017	LJS & NLS	519	37			DEEP																																
520	557397	614696	107	Plum Lake	Vilas	7/26/2017	LJS & NLS	520	38			DEEP																																
521	557397	614633	106	Plum Lake	Vilas	7/26/2017	LJS & NLS	521	3	Sand	Pole	SAMPLED			0																													
522	557397	614507	99	Plum Lake	Vilas	7/26/2017	LJS & NLS	522	9	Sand	Pole	SAMPLED			0																													
523	557397	614444	97	Plum Lake	Vilas	7/26/2017	LJS & NLS	523	52			DEEP																																
524	557397	614381	0	Plum Lake	Vilas			524	0			DEEP																																
525	557397	614318	217	Plum Lake	Vilas	7/26/2017	EEH & JBS	525	0			DEEP																																
526	557460	614759	110	Plum Lake	Vilas	7/26/2017	LJS & NLS	526	36			DEEP																																
527	557460	614696	112	Plum Lake	Vilas	7/26/2017	LJS & NLS	527	0			DEEP																																
528	557460	614633	105	Plum Lake	Vilas	7/26/2017	LJS & NLS	528	10	Rock	Pole	SAMPLED			0																													
529	557460	614570	101	Plum Lake	Vilas	7/26/2017	LJS & NLS	529	9	Rock	Pole	SAMPLED			0																													
530	557460	614507	100	Plum Lake	Vilas	7/26/2017	LJS & NLS	530	37			DEEP																																
531	557460	614444	102	Plum Lake	Vilas	7/26/2017	LJS & NLS	531	0			DEEP																																
532	557460	614381	219	Plum Lake	Vilas	7/26/2017	EEH & JBS	532	0			DEEP																																
533	557460	614318	218	Plum Lake	Vilas	7/26/2017	EEH & JBS	533	4	Rock	Pole	SAMPLED			1										1																			
534	557523	614948	119	Plum Lake	Vilas	7/26/2017	LJS & NLS	534	5	Sand	Pole	SAMPLED			1																1													
535	557523	614885	118	Plum Lake	Vilas	7/26/2017	LJS & NLS	535	7	Sand	Pole	SAMPLED			0																													
536	557523	614822	116	Plum Lake	Vilas	7/26/2017	LJS & NLS	536	11	Sand	Pole	SAMPLED			0																													
537	557523	614759	111	Plum Lake	Vilas	7/26/2017	LJS & NLS	537	30			DEEP																																
538	557523	614696	114	Plum Lake	Vilas	7/26/2017	LJS & NLS	538	0			DEEP																																
539	557523	614633	117	Plum Lake	Vilas	7/26/2017	LJS & NLS	539	0			DEEP																																
540	557523	614570	104	Plum Lake	Vilas	7/26/2017	LJS & NLS	540	0			DEEP																																
541	557523	614507	103	Plum Lake	Vilas	7/26/2017	LJS & NLS	541	0			DEEP																																
542	557523	614444	0	Plum Lake	Vilas			542	0			DEEP																																
543	557523	614381	220	Plum Lake	Vilas	7/26/2017	EEH & JBS	543	0			DEEP																																
544	557586	614948	120	Plum Lake	Vilas	7/26/2017	LJS & NLS	544	4	Sand	Pole	SAMPLED			1												1																	
545	557586	614885	121	Plum Lake	Vilas	7/26/2017	LJS & NLS	545	9	Rock	Pole	SAMPLED			0																													
546	557586	614822	115	Plum Lake	Vilas	7/26/2017	LJS & NLS	546	25			DEEP																																
547	557586	614759	113	Plum Lake	Vilas	7/26/2017	LJS & NLS	547	36			DEEP																																
548	557586	614696	0	Plum Lake	Vilas			548	0			DEEP																																
549	557586	614633	0	Plum Lake	Vilas			549	0			DEEP																																
550	557586	614570	0	Plum Lake	Vilas			550	0			DEEP																																
551	557586	614507	0	Plum Lake	Vilas			551	0			DEEP																																
552	557586	614444	0	Plum Lake	Vilas			552	0			DEEP																																
553	557586	614381	221	Plum Lake	Vilas	7/26/2017	EEH & JBS	553	0			DEEP																																
554	557649	614948	124	Plum Lake	Vilas	7/26/2017	LJS & NLS	554	9	Rock	Pole	SAMPLED			0																													
555	557649	614885	123	Plum Lake	Vilas	7/26/2017	LJS & NLS	555	19			DEEP																																
556	557649	614822	122	Plum Lake	Vilas	7/26/2017	LJS & NLS	556	30			DEEP																																
557	557649	614759	0	Plum Lake	Vilas			557	0			DEEP																																
558	557649	614696	0	Plum Lake	Vilas			558	0			DEEP																																
559	557649	614633	0	Plum Lake	Vilas			559	0			DEEP																																
560	557649	614570	0	Plum Lake	Vilas			560	0			DEEP																																

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
561	557649	614507	0	Plum Lake	Vilas			561	0			DEEP																																
562	557649	614444	0	Plum Lake	Vilas			562	0			DEEP																																
563	557649	614381	222	Plum Lake	Vilas	7/26/2017	EEH & JBS	563	0			DEEP																																
564	557649	614318	223	Plum Lake	Vilas	7/26/2017	EEH & JBS	564	8	Sand	Pole	SAMPLED			0																													
565	557712	614885	125	Plum Lake	Vilas	7/26/2017	LJS & NLS	565	26			DEEP																																
566	557712	614822	0	Plum Lake	Vilas			566	0			DEEP																																
567	557712	614759	0	Plum Lake	Vilas			567	0			DEEP																																
568	557712	614696	0	Plum Lake	Vilas			568	0			DEEP																																
569	557712	614633	0	Plum Lake	Vilas			569	0			DEEP																																
570	557712	614570	0	Plum Lake	Vilas			570	0			DEEP																																
571	557712	614507	0	Plum Lake	Vilas			571	0			DEEP																																
572	557712	614444	0	Plum Lake	Vilas			572	0			DEEP																																
573	557712	614381	443	Plum Lake	Vilas	7/27/2017	EEH & JBS	573	0			DEEP																																
574	557712	614318	224	Plum Lake	Vilas	7/26/2017	EEH & JBS	574	10	Sand	Pole	SAMPLED			0																													
575	557712	614255	225	Plum Lake	Vilas	7/26/2017	EEH & JBS	575	1	Rock	Pole	SAMPLED			0																													
576	557775	614885	126	Plum Lake	Vilas	7/26/2017	LJS & NLS	576	39			DEEP																																
577	557775	614822	0	Plum Lake	Vilas			577	0			DEEP																																
578	557775	614759	0	Plum Lake	Vilas			578	0			DEEP																																
579	557775	614696	0	Plum Lake	Vilas			579	0			DEEP																																
580	557775	614633	0	Plum Lake	Vilas			580	0			DEEP																																
581	557775	614570	0	Plum Lake	Vilas			581	0			DEEP																																
582	557775	614507	0	Plum Lake	Vilas			582	0			DEEP																																
583	557775	614444	0	Plum Lake	Vilas			583	0			DEEP																																
584	557775	614381	228	Plum Lake	Vilas	7/26/2017	EEH & JBS	584	0			DEEP																																
585	557775	614318	227	Plum Lake	Vilas	7/26/2017	EEH & JBS	585	6	Rock	Pole	SAMPLED			0																													
586	557775	614255	226	Plum Lake	Vilas	7/26/2017	EEH & JBS	586	7	Sand	Pole	SAMPLED			0																													
587	557838	614948	128	Plum Lake	Vilas	7/26/2017	LJS & NLS	587	4	Rock	Pole	SAMPLED			0																													
588	557838	614885	127	Plum Lake	Vilas	7/26/2017	LJS & NLS	588	38			DEEP																																
589	557838	614822	0	Plum Lake	Vilas			589	0			DEEP																																
590	557838	614759	0	Plum Lake	Vilas			590	0			DEEP																																
591	557838	614696	0	Plum Lake	Vilas			591	0			DEEP																																
592	557838	614633	0	Plum Lake	Vilas			592	0			DEEP																																
593	557838	614570	0	Plum Lake	Vilas			593	0			DEEP																																
594	557838	614507	0	Plum Lake	Vilas			594	0			DEEP																																
595	557838	614444	0	Plum Lake	Vilas			595	0			DEEP																																
596	557838	614381	229	Plum Lake	Vilas	7/26/2017	EEH & JBS	596	0			DEEP																																
597	557838	614318	231	Plum Lake	Vilas	7/26/2017	EEH & JBS	597	0			DEEP																																
598	557838	614255	232	Plum Lake	Vilas	7/26/2017	EEH & JBS	598	0			DEEP																																
599	557838	614192	381	Plum Lake	Vilas	7/27/2017	EEH & JBS	599	0			TERRESTRIAL																																
600	557901	615011	129	Plum Lake	Vilas	7/26/2017	LJS & NLS	600	12	Sand	Pole	SAMPLED			0																													
601	557901	614948	130	Plum Lake	Vilas	7/26/2017	LJS & NLS	601	40			DEEP																																
602	557901	614885	0	Plum Lake	Vilas			602	0			DEEP																																
603	557901	614822	0	Plum Lake	Vilas			603	0			DEEP																																
604	557901	614759	0	Plum Lake	Vilas			604	0			DEEP																																
605	557901	614696	0	Plum Lake	Vilas			605	0			DEEP																																
606	557901	614633	0	Plum Lake	Vilas			606	0			DEEP																																
607	557901	614570	0	Plum Lake	Vilas			607	0			DEEP																																
608	557901	614507	0	Plum Lake	Vilas			608	0			DEEP																																
609	557901	614444	0	Plum Lake	Vilas			609	0			DEEP																																
610	557901	614381	230	Plum Lake	Vilas	7/26/2017	EEH & JBS	610	0			DEEP																																
611	557901	614318	234	Plum Lake	Vilas	7/26/2017	EEH & JBS	611	18		Rope	SAMPLED			0																													
612	557901	614255	233	Plum Lake	Vilas	7/26/2017	EEH & JBS	612	4	Rock	Pole	SAMPLED			0																													
613	557964	615011	132	Plum Lake	Vilas	7/26/2017	LJS & NLS	613	11	Sand	Pole	SAMPLED			0																													
614	557964	614948	131	Plum Lake	Vilas	7/26/2017	LJS & NLS	614	35			DEEP																																
615	557964	614885	0	Plum Lake	Vilas			615	0			DEEP																																
616	557964	614822	0	Plum Lake	Vilas			616	0			DEEP																																
617	557964	614759	0	Plum Lake	Vilas			617	0			DEEP																																
618	557964	614696	0	Plum Lake	Vilas			618	0			DEEP																																
619	557964	614633	0	Plum Lake	Vilas			619	0			DEEP																																
620	557964	614570	0	Plum Lake	Vilas			620	0			DEEP																																
621	557964	614507	0	Plum Lake	Vilas			621	0			DEEP																																
622	557964	614444	237	Plum Lake	Vilas	7/26/2017	EEH & JBS	622	0			DEEP																																
623	557964	614381	236	Plum Lake	Vilas	7/26/2017	EEH & JBS	623	17		Rope	SAMPLED			0																													
624	557964	614318	235	Plum Lake	Vilas	7/26/2017	EEH & JBS	624	2	Rock	Pole	SAMPLED			0																													
625	558027	615011	133	Plum Lake	Vilas	7/26/2017	LJS & NLS	625	4	Rock	Pole	SAMPLED			0																													
626	558027	614948	134	Plum Lake	Vilas	7/26/2017	LJS & NLS	626	34			DEEP																																
627	558027	614885	0	Plum Lake	Vilas			627	0			DEEP																																
628	558027	614822	0	Plum Lake	Vilas			628	0			DEEP																																
629	558027	614759	0	Plum Lake	Vilas			629	0			DEEP																																
630	558027	614696	0	Plum Lake	Vilas			630	0			DEEP																																

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
631	558027	614633	0	Plum Lake	Vilas			631	0			DEEP																																
632	558027	614570	0	Plum Lake	Vilas			632	0			DEEP																																
633	558027	614507	0	Plum Lake	Vilas			633	0			DEEP																																
634	558027	614444	238	Plum Lake	Vilas	7/26/2017	EEH & JBS	634	0			DEEP																																
635	558090	615074	137	Plum Lake	Vilas	7/26/2017	LJS & NLS	635	12	Sand	Pole	SAMPLED			0																													
636	558090	615011	136	Plum Lake	Vilas	7/26/2017	LJS & NLS	636	26			DEEP																																
637	558090	614948	135	Plum Lake	Vilas	7/26/2017	LJS & NLS	637	32			DEEP																																
638	558090	614885	0	Plum Lake	Vilas			638	0			DEEP																																
639	558090	614822	0	Plum Lake	Vilas			639	0			DEEP																																
640	558090	614759	0	Plum Lake	Vilas			640	0			DEEP																																
641	558090	614696	0	Plum Lake	Vilas			641	0			DEEP																																
642	558090	614633	0	Plum Lake	Vilas			642	0			DEEP																																
643	558090	614570	0	Plum Lake	Vilas			643	0			DEEP																																
644	558090	614507	240	Plum Lake	Vilas	7/26/2017	EEH & JBS	644	0			DEEP																																
645	558090	614444	239	Plum Lake	Vilas	7/26/2017	EEH & JBS	645	11	Sand	Pole	SAMPLED			0																													
646	558153	616082	192	Plum Lake	Vilas	7/26/2017	LJS & NLS	646	0			TERRESTRIAL																																
647	558153	616019	189	Plum Lake	Vilas	7/26/2017	LJS & NLS	647	7	Rock	Pole	SAMPLED			0																													
648	558153	615956	188	Plum Lake	Vilas	7/26/2017	LJS & NLS	648	14	Sand	Pole	SAMPLED			0																													
649	558153	615893	185	Plum Lake	Vilas	7/26/2017	LJS & NLS	649	9	Sand	Pole	SAMPLED			0																													
650	558153	615830	184	Plum Lake	Vilas	7/26/2017	LJS & NLS	650	12	Muck	Pole	SAMPLED			0																													
651	558153	615767	181	Plum Lake	Vilas	7/26/2017	LJS & NLS	651	12	Muck	Pole	SAMPLED			0																													
652	558153	615704	180	Plum Lake	Vilas	7/26/2017	LJS & NLS	652	5	Muck	Pole	SAMPLED			0																													
653	558153	615578	174	Plum Lake	Vilas	7/26/2017	LJS & NLS	653	7	Muck	Pole	SAMPLED			0																													
654	558153	615515	169	Plum Lake	Vilas	7/26/2017	LJS & NLS	654	2	Muck	Pole	SAMPLED			2		1											2																
655	558153	615452	168	Plum Lake	Vilas	7/26/2017	LJS & NLS	655	3	Muck	Pole	SAMPLED			1												1				1										1			
656	558153	615200	140	Plum Lake	Vilas	7/26/2017	LJS & NLS	656	3	Sand	Pole	SAMPLED			0																													
657	558153	615137	139	Plum Lake	Vilas	7/26/2017	LJS & NLS	657	12	Sand	Pole	SAMPLED			0																													
658	558153	615074	138	Plum Lake	Vilas	7/26/2017	LJS & NLS	658	27			DEEP																																
659	558153	615011	0	Plum Lake	Vilas			659	0			DEEP																																
660	558153	614948	0	Plum Lake	Vilas			660	0			DEEP																																
661	558153	614885	0	Plum Lake	Vilas			661	0			DEEP																																
662	558153	614822	0	Plum Lake	Vilas			662	0			DEEP																																
663	558153	614759	0	Plum Lake	Vilas			663	0			DEEP																																
664	558153	614696	0	Plum Lake	Vilas			664	0			DEEP																																
665	558153	614633	0	Plum Lake	Vilas			665	0			DEEP																																
666	558153	614570	0	Plum Lake	Vilas			666	0			DEEP																																
667	558153	614507	241	Plum Lake	Vilas	7/26/2017	EEH & JBS	667	0			DEEP																																
668	558153	614444	242	Plum Lake	Vilas	7/26/2017	EEH & JBS	668	2	Rock	Pole	SAMPLED			0																													
669	558216	616145	193	Plum Lake	Vilas	7/26/2017	LJS & NLS	669	6	Muck	Pole	SAMPLED			0																													
670	558216	616082	191	Plum Lake	Vilas	7/26/2017	LJS & NLS	670	13	Muck	Pole	SAMPLED			0																													
671	558216	616019	190	Plum Lake	Vilas	7/26/2017	LJS & NLS	671	18			DEEP																																
672	558216	615956	187	Plum Lake	Vilas	7/26/2017	LJS & NLS	672	18			DEEP																																
673	558216	615893	186	Plum Lake	Vilas	7/26/2017	LJS & NLS	673	18			DEEP																																
674	558216	615830	183	Plum Lake	Vilas	7/26/2017	LJS & NLS	674	17			DEEP																																
675	558216	615767	182	Plum Lake	Vilas	7/26/2017	LJS & NLS	675	18			DEEP																																
676	558216	615704	179	Plum Lake	Vilas	7/26/2017	LJS & NLS	676	12	Rock	Pole	SAMPLED			0																													
677	558216	615641	176	Plum Lake	Vilas	7/26/2017	LJS & NLS	677	5	Rock	Pole	SAMPLED			0																													
678	558216	615578	173	Plum Lake	Vilas	7/26/2017	LJS & NLS	678	14	Muck	Pole	SAMPLED			0																													
679	558216	615515	170	Plum Lake	Vilas	7/26/2017	LJS & NLS	679	2	Rock	Pole	SAMPLED			0																													
680	558216	615452	165	Plum Lake	Vilas	7/26/2017	LJS & NLS	680	9	Muck	Pole	SAMPLED			0																													
681	558216	615389	166	Plum Lake	Vilas	7/26/2017	LJS & NLS	681	7	Muck	Pole	SAMPLED			0																													
682	558216	615200	141	Plum Lake	Vilas	7/26/2017	LJS & NLS	682	0			SHALLOW																																
683	558216	615137	142	Plum Lake	Vilas	7/26/2017	LJS & NLS	683	7	Rock	Pole	SAMPLED			0																													
684	558216	615074	143	Plum Lake	Vilas	7/26/2017	LJS & NLS	684	26			DEEP																																
685	558216	615011	0	Plum Lake	Vilas			685	0			DEEP																																
686	558216	614948	0	Plum Lake	Vilas			686	0			DEEP																																
687	558216	614885	0	Plum Lake	Vilas			687	0			DEEP																																
688	558216	614822	0	Plum Lake	Vilas			688	0			DEEP																																
689	558216	614759	0	Plum Lake	Vilas			689	0			DEEP																																
690	558216	614696	247	Plum Lake	Vilas	7/26/2017	EEH & JBS	690	8	Rock	Pole	SAMPLED			0																													
691	558216	614633	246	Plum Lake	Vilas	7/26/2017	EEH & JBS	691	0			DEEP																																
692	558216	614570	0	Plum Lake	Vilas			692	0			DEEP																																
693	558216	614507	244	Plum Lake	Vilas	7/26/2017	EEH & JBS	693	0			DEEP																																
694	558216	614444	243	Plum Lake	Vilas	7/26/2017	EEH & JBS	694	1	Rock	Pole	SAMPLED			0																													
695	558279	616145	194	Plum Lake	Vilas	7/26/2017	LJS & NLS	695	6	Sand	Pole	SAMPLED			0																													
696	558279	616082	195	Plum Lake	Vilas	7/26/2017	LJS & NLS	696	15	Muck	Pole	SAMPLED			0																													
697	558279	616019	196	Plum Lake	Vilas	7/26/2017	LJS & NLS	697	19			DEEP																																
698	558279	615956	0	Plum Lake	Vilas			698	0			DEEP																																
699	558279	615893	0	Plum Lake	Vilas			699	0			DEEP																																
700	558279	615830	0	Plum Lake	Vilas			700	0			DEEP																																

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
701	558279	615767	0	Plum Lake	Vilas			701	0			DEEP																																
702	558279	615704	178	Plum Lake	Vilas	7/26/2017	LJS & NLS	702	23			DEEP																																
703	558279	615641	177	Plum Lake	Vilas	7/26/2017	LJS & NLS	703	21			DEEP																																
704	558279	615578	175	Plum Lake	Vilas	7/26/2017	LJS & NLS	704	0			DEEP																																
705	558279	615515	171	Plum Lake	Vilas	7/26/2017	LJS & NLS	705	18			DEEP																																
706	558279	615452	163	Plum Lake	Vilas	7/26/2017	LJS & NLS	706	10	Rock	Pole	SAMPLED			0																													
707	558279	615389	167	Plum Lake	Vilas	7/26/2017	LJS & NLS	707	3	Muck	Pole	SAMPLED			3													3																
708	558279	615200	148	Plum Lake	Vilas	7/26/2017	LJS & NLS	708	0			SHALLOW																																
709	558279	615137	146	Plum Lake	Vilas	7/26/2017	LJS & NLS	709	8	Rock	Pole	SAMPLED			0																													
710	558279	615074	144	Plum Lake	Vilas	7/26/2017	LJS & NLS	710	0			DEEP																																
711	558279	615011	0	Plum Lake	Vilas			711	0			DEEP																																
712	558279	614948	0	Plum Lake	Vilas			712	0			DEEP																																
713	558279	614885	0	Plum Lake	Vilas			713	0			DEEP																																
714	558279	614822	0	Plum Lake	Vilas			714	0			DEEP																																
715	558279	614759	250	Plum Lake	Vilas	7/26/2017	EEH & JBS	715	0			DEEP																																
716	558279	614696	248	Plum Lake	Vilas	7/26/2017	EEH & JBS	716	13	Sand	Pole	SAMPLED			0																													
717	558279	614633	245	Plum Lake	Vilas	7/26/2017	EEH & JBS	717	6	Sand	Pole	SAMPLED			0																													
718	558279	614570	266	Plum Lake	Vilas	7/26/2017	EEH & JBS	718	0			DEEP																																
719	558279	614507	267	Plum Lake	Vilas	7/26/2017	EEH & JBS	719	0			DEEP																																
720	558279	614444	268	Plum Lake	Vilas	7/26/2017	EEH & JBS	720	7	Muck	Pole	SAMPLED			0																													
721	558342	616019	197	Plum Lake	Vilas	7/26/2017	LJS & NLS	721	18			DEEP																																
722	558342	615956	198	Plum Lake	Vilas	7/26/2017	LJS & NLS	722	0			DEEP																																
723	558342	615893	0	Plum Lake	Vilas			723	0			DEEP																																
724	558342	615830	0	Plum Lake	Vilas			724	0			DEEP																																
725	558342	615767	0	Plum Lake	Vilas			725	0			DEEP																																
726	558342	615704	0	Plum Lake	Vilas			726	0			DEEP																																
727	558342	615641	0	Plum Lake	Vilas			727	0			DEEP																																
728	558342	615578	0	Plum Lake	Vilas			728	0			DEEP																																
729	558342	615515	172	Plum Lake	Vilas	7/26/2017	LJS & NLS	729	0			DEEP																																
730	558342	615452	162	Plum Lake	Vilas	7/26/2017	LJS & NLS	730	18			DEEP																																
731	558342	615389	164	Plum Lake	Vilas	7/26/2017	LJS & NLS	731	0			SWIM AREA																																
732	558342	615263	149	Plum Lake	Vilas	7/26/2017	LJS & NLS	732	13	Sand	Pole	SAMPLED			0																													
733	558342	615200	147	Plum Lake	Vilas	7/26/2017	LJS & NLS	733	22			DEEP																																
734	558342	615137	145	Plum Lake	Vilas	7/26/2017	LJS & NLS	734	36			DEEP																																
735	558342	615074	153	Plum Lake	Vilas	7/26/2017	LJS & NLS	735	0			DEEP																																
736	558342	615011	0	Plum Lake	Vilas			736	0			DEEP																																
737	558342	614948	0	Plum Lake	Vilas			737	0			DEEP																																
738	558342	614885	0	Plum Lake	Vilas			738	0			DEEP																																
739	558342	614822	0	Plum Lake	Vilas			739	0			DEEP																																
740	558342	614759	251	Plum Lake	Vilas	7/26/2017	EEH & JBS	740	0			DEEP																																
741	558342	614696	249	Plum Lake	Vilas	7/26/2017	EEH & JBS	741	1	Rock	Pole	SAMPLED			0																													
742	558342	614633	265	Plum Lake	Vilas	7/26/2017	EEH & JBS	742	17		Rope	SAMPLED			0																													
743	558342	614570	264	Plum Lake	Vilas	7/26/2017	EEH & JBS	743	13	Sand	Pole	SAMPLED			0																													
744	558342	614507	263	Plum Lake	Vilas	7/26/2017	EEH & JBS	744	16		Rope	SAMPLED			0																													
745	558342	614444	261	Plum Lake	Vilas	7/26/2017	EEH & JBS	745	3	Rock	Pole	SAMPLED			0																													
746	558342	614381	262	Plum Lake	Vilas	7/26/2017	EEH & JBS	746	0			TEMPORARY OBSTACLE																																
747	558405	615956	199	Plum Lake	Vilas	7/26/2017	LJS & NLS	747	22			DEEP																																
748	558405	615893	201	Plum Lake	Vilas	7/26/2017	LJS & NLS	748	0			DEEP																																
749	558405	615830	205	Plum Lake	Vilas	7/26/2017	LJS & NLS	749	0			DEEP																																
750	558405	615767	0	Plum Lake	Vilas			750	0			DEEP																																
751	558405	615704	0	Plum Lake	Vilas			751	0			DEEP																																
752	558405	615641	0	Plum Lake	Vilas			752	0			DEEP																																
753	558405	615578	0	Plum Lake	Vilas			753	0			DEEP																																
754	558405	615515	0	Plum Lake	Vilas			754	0			DEEP																																
755	558405	615452	161	Plum Lake	Vilas	7/26/2017	LJS & NLS	755	23			DEEP																																
756	558405	615389	156	Plum Lake	Vilas	7/26/2017	LJS & NLS	756	26			DEEP																																
757	558405	615326	155	Plum Lake	Vilas	7/26/2017	LJS & NLS	757	25			DEEP																																
758	558405	615263	150	Plum Lake	Vilas	7/26/2017	LJS & NLS	758	25			DEEP																																
759	558405	615200	151	Plum Lake	Vilas	7/26/2017	LJS & NLS	759	0			DEEP																																
760	558405	615137	249	Plum Lake	Vilas	7/26/2017	LJS & NLS	760	26			DEEP																																
761	558405	615074	250	Plum Lake	Vilas	7/26/2017	LJS & NLS	761	25			DEEP																																
762	558405	615011	251	Plum Lake	Vilas	7/26/2017	LJS & NLS	762	29			DEEP																																
763	558405	614948	256	Plum Lake	Vilas	7/26/2017	LJS & NLS	763	0			DEEP																																
764	558405	614885	0	Plum Lake	Vilas			764	0			DEEP																																
765	558405	614822	0	Plum Lake	Vilas			765	0			DEEP																																
766	558405	614759	252	Plum Lake	Vilas	7/26/2017	EEH & JBS	766	18		Rope	SAMPLED			0																													
767	558405	614696	255	Plum Lake	Vilas	7/26/2017	EEH & JBS	767	0			DEEP																																
768	558405	614633	256	Plum Lake	Vilas	7/26/2017	EEH & JBS	768	17		Rope	SAMPLED			0																													
769	558405	614570	257	Plum Lake	Vilas	7/26/2017	EEH & JBS	769	7	Sand	Pole	SAMPLED			0																													
770	558405	614507	258	Plum Lake	Vilas	7/26/2017	EEH & JBS	770	11	Muck	Pole	SAMPLED			0																													

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
771	558405	614444	259	Plum Lake	Vilas	7/26/2017	EEH & JBS	771	9	Muck	Pole	SAMPLED			1								1								1														
772	558405	614381	260	Plum Lake	Vilas	7/26/2017	EEH & JBS	772	1	Sand	Pole	SAMPLED			1										1																				
773	558468	615893	200	Plum Lake	Vilas	7/26/2017	LJS & NLS	773	11	Rock	Pole	SAMPLED			0																													
774	558468	615830	202	Plum Lake	Vilas	7/26/2017	LJS & NLS	774	30			DEEP																																
775	558468	615767	0	Plum Lake	Vilas			775	0			DEEP																																
776	558468	615704	0	Plum Lake	Vilas			776	0			DEEP																																
777	558468	615641	0	Plum Lake	Vilas			777	0			DEEP																																
778	558468	615578	0	Plum Lake	Vilas			778	0			DEEP																																
779	558468	615515	0	Plum Lake	Vilas			779	0			DEEP																																
780	558468	615452	160	Plum Lake	Vilas	7/26/2017	LJS & NLS	780	25			DEEP																																
781	558468	615389	157	Plum Lake	Vilas	7/26/2017	LJS & NLS	781	25			DEEP																																
782	558468	615326	154	Plum Lake	Vilas	7/26/2017	LJS & NLS	782	17		Rope	SAMPLED			0																													
783	558468	615263	152	Plum Lake	Vilas	7/26/2017	LJS & NLS	783	27			DEEP																																
784	558468	615200	248	Plum Lake	Vilas	7/26/2017	LJS & NLS	784	0			DEEP																																
785	558468	615137	247	Plum Lake	Vilas	7/26/2017	LJS & NLS	785	21			DEEP																																
786	558468	615011	252	Plum Lake	Vilas	7/26/2017	LJS & NLS	786	2	Rock	Pole	SAMPLED			1																							1					
787	558468	614948	255	Plum Lake	Vilas	7/26/2017	LJS & NLS	787	18			DEEP																																
788	558468	614885	0	Plum Lake	Vilas			788	0			DEEP																																
789	558468	614822	0	Plum Lake	Vilas			789	0			DEEP																																
790	558468	614759	253	Plum Lake	Vilas	7/26/2017	EEH & JBS	790	0			DEEP																																
791	558468	614696	254	Plum Lake	Vilas	7/26/2017	EEH & JBS	791	16		Rope	SAMPLED			0																													
792	558468	614633	273	Plum Lake	Vilas	7/26/2017	EEH & JBS	792	17		Rope	SAMPLED			0																													
793	558468	614570	272	Plum Lake	Vilas	7/26/2017	EEH & JBS	793	10	Muck	Pole	SAMPLED			0																													
794	558468	614507	271	Plum Lake	Vilas	7/26/2017	EEH & JBS	794	10	Muck	Pole	SAMPLED			0																													
795	558468	614444	269	Plum Lake	Vilas	7/26/2017	EEH & JBS	795	9	Muck	Pole	SAMPLED			0																													
796	558468	614381	270	Plum Lake	Vilas	7/26/2017	EEH & JBS	796	0			NONNAVIGABLE (PLANTS)																																
797	558531	615830	203	Plum Lake	Vilas	7/26/2017	LJS & NLS	797	27			DEEP																																
798	558531	615767	0	Plum Lake	Vilas			798	0			DEEP																																
799	558531	615704	0	Plum Lake	Vilas			799	0			DEEP																																
800	558531	615641	0	Plum Lake	Vilas			800	0			DEEP																																
801	558531	615578	0	Plum Lake	Vilas			801	0			DEEP																																
802	558531	615515	0	Plum Lake	Vilas			802	0			DEEP																																
803	558531	615452	0	Plum Lake	Vilas			803	0			DEEP																																
804	558531	615389	158	Plum Lake	Vilas	7/26/2017	LJS & NLS	804	0			DEEP																																
805	558531	615326	159	Plum Lake	Vilas	7/26/2017	LJS & NLS	805	0			DEEP																																
806	558531	615263	0	Plum Lake	Vilas			806	0			DEEP																																
807	558531	615200	245	Plum Lake	Vilas	7/26/2017	LJS & NLS	807	26			DEEP																																
808	558531	615137	246	Plum Lake	Vilas	7/26/2017	LJS & NLS	808	8	Rock	Pole	SAMPLED			0																													
809	558531	615011	253	Plum Lake	Vilas	7/26/2017	LJS & NLS	809	13	Sand	Pole	SAMPLED			0																													
810	558531	614948	254	Plum Lake	Vilas	7/26/2017	LJS & NLS	810	17			DEEP																																
811	558531	614885	0	Plum Lake	Vilas			811	0			DEEP																																
812	558531	614822	277	Plum Lake	Vilas	7/26/2017	EEH & JBS	812	0			DEEP																																
813	558531	614759	276	Plum Lake	Vilas	7/26/2017	EEH & JBS	813	8	Rock	Pole	SAMPLED			0																													
814	558531	614696	275	Plum Lake	Vilas	7/26/2017	EEH & JBS	814	9	Muck	Pole	SAMPLED			0																													
815	558531	614633	274	Plum Lake	Vilas	7/26/2017	EEH & JBS	815	0			DEEP																																
816	558531	614570	289	Plum Lake	Vilas	7/26/2017	EEH & JBS	816	14	Muck	Pole	SAMPLED			0																													
817	558531	614507	288	Plum Lake	Vilas	7/26/2017	EEH & JBS	817	10	Muck	Pole	SAMPLED			0																													
818	558531	614444	287	Plum Lake	Vilas	7/26/2017	EEH & JBS	818	8	Muck	Pole	SAMPLED			0																													
819	558531	614381	286	Plum Lake	Vilas	7/26/2017	EEH & JBS	819	5	Muck	Pole	SAMPLED			1					1					1																				
820	558594	615830	204	Plum Lake	Vilas	7/26/2017	LJS & NLS	820	28			DEEP																																
821	558594	615767	207	Plum Lake	Vilas	7/26/2017	LJS & NLS	821	0			DEEP																																
822	558594	615704	0	Plum Lake	Vilas			822	0			DEEP																																
823	558594	615641	0	Plum Lake	Vilas			823	0			DEEP																																
824	558594	615578	0	Plum Lake	Vilas			824	0			DEEP																																
825	558594	615515	0	Plum Lake	Vilas			825	0			DEEP																																
826	558594	615452	0	Plum Lake	Vilas			826	0			DEEP																																
827	558594	615389	0	Plum Lake	Vilas			827	0			DEEP																																
828	558594	615326	0	Plum Lake	Vilas			828	0			DEEP																																
829	558594	615263	244	Plum Lake	Vilas	7/26/2017	LJS & NLS	829	0			DEEP																																
830	558594	615200	243	Plum Lake	Vilas	7/26/2017	LJS & NLS	830	29			DEEP																																
831	558594	615011	258	Plum Lake	Vilas	7/26/2017	LJS & NLS	831	11	Sand	Pole	SAMPLED			0																													
832	558594	614948	257	Plum Lake	Vilas	7/26/2017	LJS & NLS	832	17			DEEP																																
833	558594	614885	263	Plum Lake	Vilas	7/26/2017	LJS & NLS	833	0			DEEP																																
834	558594	614822	278	Plum Lake	Vilas	7/26/2017	EEH & JBS	834	0			DEEP																																
835	558594	614759	279	Plum Lake	Vilas	7/26/2017	EEH & JBS	835	0																																			
836	558594	614696	280	Plum Lake	Vilas	7/26/2017	EEH & JBS	836	14	Sand	Pole	SAMPLED			0																													
837	558594	614633	281	Plum Lake	Vilas	7/26/2017	EEH & JBS	837	17		Rope	SAMPLED			0																													
838	558594	614570	282	Plum Lake	Vilas	7/26/2017	EEH & JBS	838	18		Rope	SAMPLED			0																													
839	558594	614507	283	Plum Lake	Vilas	7/26/2017	EEH & JBS	839	7	Muck	Pole	SAMPLED			1			1														1												
840	558594	614444	284	Plum Lake	Vilas	7/26/2017	EEH & JBS	840	7	Muck	Pole	SAMPLED			2																1									2			

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
841	558594	614381	285	Plum Lake	Vilas	7/26/2017	EEH & JBS	841	5	Muck	Pole	SAMPLED			3					1																	1				3				
842	558594	614318	295	Plum Lake	Vilas	7/26/2017	EEH & JBS	842	1	Sand	Pole	SAMPLED			0																													
843	558657	615830	206	Plum Lake	Vilas	7/26/2017	LJS & NLS	843	10	Rock	Pole	SAMPLED			0																													
844	558657	615767	210	Plum Lake	Vilas	7/26/2017	LJS & NLS	844	0			DEEP																																
845	558657	615704	0	Plum Lake	Vilas			845	0			DEEP																																
846	558657	615641	0	Plum Lake	Vilas			846	0			DEEP																																
847	558657	615578	0	Plum Lake	Vilas			847	0			DEEP																																
848	558657	615515	0	Plum Lake	Vilas			848	0			DEEP																																
849	558657	615452	0	Plum Lake	Vilas			849	0			DEEP																																
850	558657	615389	0	Plum Lake	Vilas			850	0			DEEP																																
851	558657	615326	240	Plum Lake	Vilas	7/26/2017	LJS & NLS	851	0			DEEP																																
852	558657	615263	241	Plum Lake	Vilas	7/26/2017	LJS & NLS	852	25			DEEP																																
853	558657	615200	242	Plum Lake	Vilas	7/26/2017	LJS & NLS	853	15	Rock	Pole	SAMPLED			0																													
854	558657	615074	259	Plum Lake	Vilas	7/26/2017	LJS & NLS	854	2	Sand	Pole	SAMPLED			0																													
855	558657	615011	260	Plum Lake	Vilas	7/26/2017	LJS & NLS	855	12	Muck	Pole	SAMPLED			0																													
856	558657	614948	261	Plum Lake	Vilas	7/26/2017	LJS & NLS	856	16	Muck	Pole	SAMPLED			0																													
857	558657	614885	262	Plum Lake	Vilas	7/26/2017	LJS & NLS	857	17			DEEP																																
858	558657	614822	268	Plum Lake	Vilas	7/26/2017	LJS & NLS	858	0			DEEP																																
859	558657	614759	269	Plum Lake	Vilas	7/26/2017	LJS & NLS	859	0			DEEP																																
860	558657	614696	270	Plum Lake	Vilas	7/26/2017	LJS & NLS	860	0			DEEP																																
861	558657	614633	290	Plum Lake	Vilas	7/26/2017	EEH & JBS	861	16		Rope	SAMPLED			0																													
862	558657	614570	291	Plum Lake	Vilas	7/26/2017	EEH & JBS	862	9	Sand	Pole	SAMPLED			0																													
863	558657	614507	292	Plum Lake	Vilas	7/26/2017	EEH & JBS	863	2	Rock	Pole	SAMPLED			0																													
864	558657	614444	293	Plum Lake	Vilas	7/26/2017	EEH & JBS	864	1	Rock	Pole	SAMPLED			0																													
865	558657	614381	294	Plum Lake	Vilas	7/26/2017	EEH & JBS	865	5	Muck	Pole	SAMPLED			3		1			1	1												3		1						1				
866	558657	614318	296	Plum Lake	Vilas	7/26/2017	EEH & JBS	866	0			DOCK																																
867	558720	615830	208	Plum Lake	Vilas	7/26/2017	LJS & NLS	867	4	Sand	Pole	SAMPLED			0																													
868	558720	615767	209	Plum Lake	Vilas	7/26/2017	LJS & NLS	868	27			DEEP																																
869	558720	615704	0	Plum Lake	Vilas			869	0			DEEP																																
870	558720	615641	0	Plum Lake	Vilas			870	0			DEEP																																
871	558720	615578	0	Plum Lake	Vilas			871	0			DEEP																																
872	558720	615515	0	Plum Lake	Vilas			872	0			DEEP																																
873	558720	615452	0	Plum Lake	Vilas			873	0			DEEP																																
874	558720	615389	0	Plum Lake	Vilas			874	0			DEEP																																
875	558720	615326	238	Plum Lake	Vilas	7/26/2017	LJS & NLS	875	29			DEEP																																
876	558720	615263	239	Plum Lake	Vilas	7/26/2017	LJS & NLS	876	13	Sand	Pole	SAMPLED			0																													
877	558720	615074	278	Plum Lake	Vilas	7/26/2017	LJS & NLS	877	2	Rock	Pole	SAMPLED			0																													
878	558720	615011	277	Plum Lake	Vilas	7/26/2017	LJS & NLS	878	11	Muck	Pole	SAMPLED			0																													
879	558720	614948	276	Plum Lake	Vilas	7/26/2017	LJS & NLS	879	15	Muck	Pole	SAMPLED			0																													
880	558720	614885	264	Plum Lake	Vilas	7/26/2017	LJS & NLS	880	13	Muck	Pole	SAMPLED			0																													
881	558720	614822	265	Plum Lake	Vilas	7/26/2017	LJS & NLS	881	13	Muck	Pole	SAMPLED			0																													
882	558720	614759	266	Plum Lake	Vilas	7/26/2017	LJS & NLS	882	15	Sand	Pole	SAMPLED			0																													
883	558720	614696	267	Plum Lake	Vilas	7/26/2017	LJS & NLS	883	17			DEEP																																
884	558720	614633	311	Plum Lake	Vilas	7/26/2017	EEH & JBS	884	18		Rope	SAMPLED			0																													
885	558720	614570	310	Plum Lake	Vilas	7/26/2017	EEH & JBS	885	6	Sand	Pole	SAMPLED			1			1							1																			
886	558720	614318	297	Plum Lake	Vilas	7/26/2017	EEH & JBS	886	2	Rock	Pole	SAMPLED			1			1							1	1																		
887	558720	614255	298	Plum Lake	Vilas	7/26/2017	EEH & JBS	887	3	Muck	Pole	SAMPLED			3	1	1	1		1			1		3																1			
888	558783	615830	212	Plum Lake	Vilas	7/26/2017	LJS & NLS	888	3	Sand	Pole	SAMPLED			0																													
889	558783	615767	211	Plum Lake	Vilas	7/26/2017	LJS & NLS	889	18			DEEP																																
890	558783	615704	216	Plum Lake	Vilas	7/26/2017	LJS & NLS	890	28			DEEP																																
891	558783	615641	217	Plum Lake	Vilas	7/26/2017	LJS & NLS	891	27			DEEP																																
892	558783	615578	0	Plum Lake	Vilas			892	0			DEEP																																
893	558783	615515	0	Plum Lake	Vilas			893	0			DEEP																																
894	558783	615452	0	Plum Lake	Vilas			894	0			DEEP																																
895	558783	615389	236	Plum Lake	Vilas	7/26/2017	LJS & NLS	895	0			DEEP																																
896	558783	615326	237	Plum Lake	Vilas	7/26/2017	LJS & NLS	896	20			DEEP																																
897	558783	615074	280	Plum Lake	Vilas	7/26/2017	LJS & NLS	897	3	Muck	Pole	SAMPLED			1																								1					
898	558783	615011	279	Plum Lake	Vilas	7/26/2017	LJS & NLS	898	7	Sand	Pole	SAMPLED			0																													
899	558783	614948	275	Plum Lake	Vilas	7/26/2017	LJS & NLS	899	15	Muck	Pole	SAMPLED			0																													
900	558783	614885	274	Plum Lake	Vilas	7/26/2017	LJS & NLS	900	10	Muck	Pole	SAMPLED			1					1																								
901	558783	614822	273	Plum Lake	Vilas	7/26/2017	LJS & NLS	901	10	Rock	Pole	SAMPLED			0																													
902	558783	614759	272	Plum Lake	Vilas	7/26/2017	LJS & NLS	902	17			DEEP																																
903	558783	614696	271	Plum Lake	Vilas	7/26/2017	LJS & NLS	903	17			DEEP																																
904	558783	614633	312	Plum Lake	Vilas	7/26/2017	EEH & JBS	904	18		Rope	SAMPLED			0																													
905	558783	614570	309	Plum Lake	Vilas	7/26/2017	EEH & JBS	905	16		Rope	SAMPLED			0																													
906	558783	614507	308	Plum Lake	Vilas	7/26/2017	EEH & JBS	906	12	Sand	Pole	SAMPLED			1					1	1																							
907	558783	614444	305	Plum Lake	Vilas	7/26/2017	EEH & JBS	907	2	Sand	Pole	SAMPLED			1													1																
908	558783	614381	304	Plum Lake	Vilas	7/26/2017	EEH & JBS	908	3	Sand	Pole	SAMPLED			1										1																			
909	558783	614255	299	Plum Lake	Vilas	7/26/2017	EEH & JBS	909	6	Muck	Pole	SAMPLED			1										1						1													
910	558846	615767	213	Plum Lake	Vilas	7/26/2017	LJS & NLS	910	10	Muck	Pole	SAMPLED			0																													

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
911	558846	615704	215	Plum Lake	Vilas	7/26/2017	LJS & NLS	911	13	Sand	Pole	SAMPLED			0																													
912	558846	615641	218	Plum Lake	Vilas	7/26/2017	LJS & NLS	912	20			DEEP																																
913	558846	615578	226	Plum Lake	Vilas	7/26/2017	LJS & NLS	913	0			DEEP																																
914	558846	615515	0	Plum Lake	Vilas			914	0			DEEP																																
915	558846	615452	0	Plum Lake	Vilas			915	0			DEEP																																
916	558846	615389	235	Plum Lake	Vilas	7/26/2017	LJS & NLS	916	0			DEEP																																
917	558846	615326	234	Plum Lake	Vilas	7/26/2017	LJS & NLS	917	5	Rock	Pole	SAMPLED			0																													
918	558846	615074	281	Plum Lake	Vilas	7/26/2017	LJS & NLS	918	3	Rock	Pole	SAMPLED			0																													
919	558846	615011	282	Plum Lake	Vilas	7/26/2017	LJS & NLS	919	10	Muck	Pole	SAMPLED			0																													
920	558846	614948	283	Plum Lake	Vilas	7/26/2017	LJS & NLS	920	12	Muck	Pole	SAMPLED			0																													
921	558846	614885	284	Plum Lake	Vilas	7/26/2017	LJS & NLS	921	8	Muck	Pole	SAMPLED			0																													
922	558846	614822	285	Plum Lake	Vilas	7/26/2017	LJS & NLS	922	10	Muck	Pole	SAMPLED			0																													
923	558846	614759	286	Plum Lake	Vilas	7/26/2017	LJS & NLS	923	16			DEEP																																
924	558846	614696	287	Plum Lake	Vilas	7/26/2017	LJS & NLS	924	0			DEEP																																
925	558846	614633	313	Plum Lake	Vilas	7/26/2017	EEH & JBS	925	17		Rope	SAMPLED			0																													
926	558846	614570	314	Plum Lake	Vilas	7/26/2017	EEH & JBS	926	16		Rope	SAMPLED			0																													
927	558846	614507	307	Plum Lake	Vilas	7/26/2017	EEH & JBS	927	14	Muck	Pole	SAMPLED			1		1															1					1								
928	558846	614444	306	Plum Lake	Vilas	7/26/2017	EEH & JBS	928	13	Muck	Pole	SAMPLED			3		3			1																	1							
929	558846	614381	303	Plum Lake	Vilas	7/26/2017	EEH & JBS	929	12	Muck	Pole	SAMPLED			2		2			1																	1							
930	558846	614318	302	Plum Lake	Vilas	7/26/2017	EEH & JBS	930	9	Muck	Pole	SAMPLED			1		1			1													1				1							
931	558846	614255	301	Plum Lake	Vilas	7/26/2017	EEH & JBS	931	6	Muck	Pole	SAMPLED			2		2	1		1					1					1											1			
932	558846	614192	300	Plum Lake	Vilas	7/26/2017	EEH & JBS	932	3	Sand	Pole	SAMPLED			1										1																1			1
933	558909	615767	214	Plum Lake	Vilas	7/26/2017	LJS & NLS	933	2	Sand	Pole	SAMPLED			0																													
934	558909	615641	219	Plum Lake	Vilas	7/26/2017	LJS & NLS	934	14	Sand	Pole	SAMPLED			0																													
935	558909	615578	225	Plum Lake	Vilas	7/26/2017	LJS & NLS	935	0			DEEP																																
936	558909	615515	227	Plum Lake	Vilas	7/26/2017	LJS & NLS	936	0			DEEP																																
937	558909	615452	231	Plum Lake	Vilas	7/26/2017	LJS & NLS	937	0			DEEP																																
938	558909	615389	232	Plum Lake	Vilas	7/26/2017	LJS & NLS	938	28			DEEP																																
939	558909	615326	233	Plum Lake	Vilas	7/26/2017	LJS & NLS	939	10	Rock	Pole	SAMPLED			0																													
940	558909	615074	294	Plum Lake	Vilas	7/26/2017	LJS & NLS	940	5	Muck	Pole	SAMPLED			1			1																										
941	558909	615011	293	Plum Lake	Vilas	7/26/2017	LJS & NLS	941	8	Muck	Pole	SAMPLED			1			1		1																	1							
942	558909	614948	292	Plum Lake	Vilas	7/26/2017	LJS & NLS	942	6	Muck	Pole	SAMPLED			1			1							1									1											
943	558909	614885	291	Plum Lake	Vilas	7/26/2017	LJS & NLS	943	7	Muck	Pole	SAMPLED			1										1																			
944	558909	614822	290	Plum Lake	Vilas	7/26/2017	LJS & NLS	944	8	Muck	Pole	SAMPLED			0																													
945	558909	614759	289	Plum Lake	Vilas	7/26/2017	LJS & NLS	945	15	Muck	Pole	SAMPLED			3		3																				1							
946	558909	614696	288	Plum Lake	Vilas	7/26/2017	LJS & NLS	946	16			DEEP																																
947	558909	614633	315	Plum Lake	Vilas	7/26/2017	EEH & JBS	947	17		Rope	SAMPLED			1																			1										
948	558909	614570	316	Plum Lake	Vilas	7/26/2017	EEH & JBS	948	15	0	Rope	SAMPLED			1		1															1												
949	558909	614507	317	Plum Lake	Vilas	7/26/2017	EEH & JBS	949	17		Rope	SAMPLED			2		2																				1							
950	558909	614444	318	Plum Lake	Vilas	7/26/2017	EEH & JBS	950	15		Rope	SAMPLED			2		1															1					1							
951	558909	614381	319	Plum Lake	Vilas	7/26/2017	EEH & JBS	951	13	Muck	Pole	SAMPLED			2		1																				2							
952	558909	614318	320	Plum Lake	Vilas	7/26/2017	EEH & JBS	952	12	Muck	Pole	SAMPLED			2		2																1				1							
953	558909	614255	321	Plum Lake	Vilas	7/26/2017	EEH & JBS	953	5	Muck	Pole	SAMPLED			3			1		2					1					1			1	1			1					2		
954	558909	614192	322	Plum Lake	Vilas	7/26/2017	EEH & JBS	954	4	Muck	Pole	SAMPLED			1					1					1					1					1							1		
955	558972	615641	220	Plum Lake	Vilas	7/26/2017	LJS & NLS	955	8	Muck	Pole	SAMPLED			0																													
956	558972	615578	224	Plum Lake	Vilas	7/26/2017	LJS & NLS	956	5	Rock	Pole	SAMPLED			0																													
957	558972	615515	223	Plum Lake	Vilas	7/26/2017	LJS & NLS	957	27			DEEP																																
958	558972	615452	228	Plum Lake	Vilas	7/26/2017	LJS & NLS	958	19			DEEP																																
959	558972	615389	229	Plum Lake	Vilas	7/26/2017	LJS & NLS	959	13	Sand	Pole	SAMPLED			0																													
960	558972	615326	230	Plum Lake	Vilas	7/26/2017	LJS & NLS	960	0			TERRESTRIAL																																
961	558972	615011	295	Plum Lake	Vilas	7/26/2017	LJS & NLS	961	6	Muck	Pole	SAMPLED			2					1														2		1								
962	558972	614948	296	Plum Lake	Vilas	7/26/2017	LJS & NLS	962	6	Muck	Pole	SAMPLED			1								1								1											1		
963	558972	614885	297	Plum Lake	Vilas	7/26/2017	LJS & NLS	963	8	Muck	Pole	SAMPLED			1			1																										
964	558972	614822	298	Plum Lake	Vilas	7/26/2017	LJS & NLS	964	14	Muck	Pole	SAMPLED			0																													
965	558972	614759	299	Plum Lake	Vilas	7/26/2017	LJS & NLS	965	15	Muck	Pole	SAMPLED			1		1																				1							
966	558972	614696	300	Plum Lake	Vilas	7/26/2017	LJS & NLS	966	15	Muck	Pole	SAMPLED			2		1																	2										
967	558972	614633	301	Plum Lake	Vilas	7/26/2017	LJS & NLS	967	16	Muck	Pole	SAMPLED			1		1																											
968	558972	614570	330	Plum Lake	Vilas	7/26/2017	EEH & JBS	968	16		Rope	SAMPLED			0																													
969	558972	614507	329	Plum Lake	Vilas	7/26/2017	EEH & JBS	969	17		Rope	SAMPLED			1																	1												
970	558972	614444	328	Plum Lake	Vilas	7/26/2017	EEH & JBS	970	16		Rope	SAMPLED			1																	1												
971	558972	614381	327	Plum Lake	Vilas	7/26/2017	EEH & JBS	971	15		Rope	SAMPLED			0																													
972	558972	614318	326	Plum Lake	Vilas	7/26/2017	EEH & JBS	972	13	Muck	Pole	SAMPLED			3		3																				1							
973	558972	614255	325	Plum Lake	Vilas	7/26/2017	EEH & JBS	973	6	Muck	Pole	SAMPLED			1					1			1								1										1			
974	558972	614192	324	Plum Lake	Vilas	7/26/2017	EEH & JBS	974	5	Muck	Pole	SAMPLED			1			1		1					1																1			
975	558972	614129	323	Plum Lake	Vilas	7/26/2017	EEH & JBS	975	3	Sand	Pole	SAMPLED			1			1							1																1		1	
976	559035	615578	221	Plum Lake	Vilas	7/26/2017	LJS & NLS	976	6	Muck	Pole	SAMPLED			0																													
977	559035	615515	222	Plum Lake	Vilas	7/26/2017	LJS & NLS	977	9	Sand	Pole	SAMPLED			0																													
978	559035	614948	331	Plum Lake	Vilas	7/26/2017	EEH & JBS	978	5	Muck	Pole	SAMPLED			2																				2									
979	559035	614885	332	Plum Lake	Vilas	7/26/2017	EEH & JBS	979	10	Muck	Pole	SAMPLED			1					1													1											
980	559035	614822	333	Plum Lake	Vilas	7/26/2017	EEH & JBS	980	13	Muck	Pole	SAMPLED			2																						2							

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
981	559035	614759	334	Plum Lake	Vilas	7/26/2017	EEH & JBS	981	14	Muck	Pole	SAMPLED			1		1		1							1										1								
982	559035	614696	335	Plum Lake	Vilas	7/26/2017	EEH & JBS	982	15	Muck	Pole	SAMPLED			1		1																											
983	559035	614633	336	Plum Lake	Vilas	7/26/2017	EEH & JBS	983	17		Rope	SAMPLED			1		1																											
984	559035	614570	337	Plum Lake	Vilas	7/26/2017	EEH & JBS	984	17		Rope	SAMPLED			0																													
985	559035	614507	338	Plum Lake	Vilas	7/26/2017	EEH & JBS	985	16		Rope	SAMPLED			0																													
986	559035	614444	339	Plum Lake	Vilas	7/26/2017	EEH & JBS	986	16		Rope	SAMPLED			1		1																											
987	559035	614381	340	Plum Lake	Vilas	7/26/2017	EEH & JBS	987	17		Rope	SAMPLED			0																													
988	559035	614318	341	Plum Lake	Vilas	7/26/2017	EEH & JBS	988	17		Rope	SAMPLED			1																1													
989	559035	614255	342	Plum Lake	Vilas	7/26/2017	EEH & JBS	989	13		Rope	SAMPLED			1		1																				1							
990	559035	614192	343	Plum Lake	Vilas	7/26/2017	EEH & JBS	990	11	Muck	Pole	SAMPLED			1		1																	1										
991	559035	614129	344	Plum Lake	Vilas	7/26/2017	EEH & JBS	991	8	Muck	Pole	SAMPLED			1			1		1																				1			
992	559098	614948	359	Plum Lake	Vilas	7/26/2017	EEH & JBS	992	4	Muck	Pole	SAMPLED			1	1										1					1				1									
993	559098	614885	358	Plum Lake	Vilas	7/26/2017	EEH & JBS	993	11	Muck	Pole	SAMPLED			1		1																											
994	559098	614822	357	Plum Lake	Vilas	7/26/2017	EEH & JBS	994	14		Rope	SAMPLED			1		1									1																		
995	559098	614759	356	Plum Lake	Vilas	7/26/2017	EEH & JBS	995	15		Rope	SAMPLED			1											1							1											
996	559098	614696	355	Plum Lake	Vilas	7/26/2017	EEH & JBS	996	15		Rope	SAMPLED			2		2																				1							
997	559098	614633	354	Plum Lake	Vilas	7/26/2017	EEH & JBS	997	15		Rope	SAMPLED			1		1																											
998	559098	614570	353	Plum Lake	Vilas	7/26/2017	EEH & JBS	998	17		Rope	SAMPLED			1		1																											
999	559098	614507	352	Plum Lake	Vilas	7/26/2017	EEH & JBS	999	11	Muck	Pole	SAMPLED			2		2																											
1000	559098	614444	351	Plum Lake	Vilas	7/26/2017	EEH & JBS	1000	10	Muck	Pole	SAMPLED			3		3			1																	1							
1001	559098	614381	350	Plum Lake	Vilas	7/26/2017	EEH & JBS	1001	7	Rock	Pole	SAMPLED			3		1						3			1														1			
1002	559098	614318	349	Plum Lake	Vilas	7/26/2017	EEH & JBS	1002	15		Rope	SAMPLED			0																													
1003	559098	614255	348	Plum Lake	Vilas	7/26/2017	EEH & JBS	1003	2	Rock	Pole	SAMPLED			1			1						1																				
1004	559098	614192	347	Plum Lake	Vilas	7/26/2017	EEH & JBS	1004	7	Muck	Pole	SAMPLED			3			3		1																				2			
1005	559098	614129	346	Plum Lake	Vilas	7/26/2017	EEH & JBS	1005	7	Muck	Pole	SAMPLED			2			1																1							2		1	
1006	559098	614066	345	Plum Lake	Vilas	7/26/2017	EEH & JBS	1006	8	Muck	Pole	SAMPLED			2					1					2																			
1007	559161	614948	360	Plum Lake	Vilas	7/26/2017	EEH & JBS	1007	4	Muck	Pole	SAMPLED			1											1								1										
1008	559161	614885	361	Plum Lake	Vilas	7/26/2017	EEH & JBS	1008	8	Muck	Pole	SAMPLED			0																													
1009	559161	614822	362	Plum Lake	Vilas	7/26/2017	EEH & JBS	1009	10	Muck	Pole	SAMPLED			0																													
1010	559161	614759	363	Plum Lake	Vilas	7/26/2017	EEH & JBS	1010	13	Sand	Pole	SAMPLED			0																													
1011	559161	614696	364	Plum Lake	Vilas	7/26/2017	EEH & JBS	1011	15		Pole	SAMPLED			2		1																				1							
1012	559161	614633	365	Plum Lake	Vilas	7/26/2017	EEH & JBS	1012	16		Rope	SAMPLED			1		1																				1							
1013	559161	614570	366	Plum Lake	Vilas	7/26/2017	EEH & JBS	1013	15		Rope	SAMPLED			2		2																				1							
1014	559161	614507	367	Plum Lake	Vilas	7/26/2017	EEH & JBS	1014	9	Muck	Pole	SAMPLED			3					1			3																					
1015	559161	614444	368	Plum Lake	Vilas	7/26/2017	EEH & JBS	1015	6	Muck	Pole	SAMPLED			3			1		1			1								1	1								1			
1016	559161	614381	369	Plum Lake	Vilas	7/26/2017	EEH & JBS	1016	3	Sand	Pole	SAMPLED			1			1																									1	
1017	559161	614318	370	Plum Lake	Vilas	7/26/2017	EEH & JBS	1017	17		Rope	SAMPLED			0																													
1018	559161	614255	371	Plum Lake	Vilas	7/26/2017	EEH & JBS	1018	15		Rope	SAMPLED			3		3																				1							
1019	559161	614192	372	Plum Lake	Vilas	7/26/2017	EEH & JBS	1019	12	Muck	Pole	SAMPLED			3		1																	1			2							
1020	559161	614129	373	Plum Lake	Vilas	7/26/2017	EEH & JBS	1020	11	Muck	Pole	SAMPLED			3		1						3														1							
1021	559161	614066	374	Plum Lake	Vilas	7/26/2017	EEH & JBS	1021	10	Muck	Pole	SAMPLED			3		3			1														1			1				1			
1022	559161	614003	375	Plum Lake	Vilas	7/26/2017	EEH & JBS	1022	2	Sand	Pole	SAMPLED			0																													
1023	559224	614885	382	Plum Lake	Vilas	7/27/2017	EEH & JBS	1023	5	Sand	Pole	SAMPLED			1			1																										
1024	559224	614822	383	Plum Lake	Vilas	7/27/2017	EEH & JBS	1024	7	Muck	Pole	SAMPLED			1											1														1			
1025	559224	614759	384	Plum Lake	Vilas	7/27/2017	EEH & JBS	1025	9	Muck	Pole	SAMPLED			1											1																		
1026	559224	614696	385	Plum Lake	Vilas	7/27/2017	EEH & JBS	1026	12	Muck	Pole	SAMPLED			0																													
1027	559224	614633	386	Plum Lake	Vilas	7/27/2017	EEH & JBS	1027	13	Muck	Pole	SAMPLED			0																													
1028	559224	614570	387	Plum Lake	Vilas	7/27/2017	EEH & JBS	1028	12	Muck	Pole	SAMPLED			3		3																				1				1			
1029	559224	614507	388	Plum Lake	Vilas	7/27/2017	EEH & JBS	1029	7	Muck	Pole	SAMPLED			3					1			3								1				1						1			
1030	559224	614444	389	Plum Lake	Vilas	7/27/2017	EEH & JBS	1030	5	Muck	Pole	SAMPLED			3	1				1														1							1			
1031	559224	614381	390	Plum Lake	Vilas	7/27/2017	EEH & JBS	1031	9	Muck	Pole	SAMPLED			2		2						1			1								1			1							
1032	559224	614318	391	Plum Lake	Vilas	7/27/2017	EEH & JBS	1032	15	Muck	Pole	SAMPLED			0																													
1033	559224	614255	392	Plum Lake	Vilas	7/27/2017	EEH & JBS	1033	14	Muck	Pole	SAMPLED			3		3																											
1034	559224	614192	393	Plum Lake	Vilas	7/27/2017	EEH & JBS	1034	14	Muck	Pole	SAMPLED			1		1																											
1035	559224	614129	394	Plum Lake	Vilas	7/27/2017	EEH & JBS	1035	13	Muck	Pole	SAMPLED			1		1																											
1036	559224	614066	395	Plum Lake	Vilas	7/27/2017	EEH & JBS	1036	11	Muck	Pole	SAMPLED			1		1																											
1037	559224	614003	396	Plum Lake	Vilas	7/27/2017	EEH & JBS	1037	6	Muck	Pole	SAMPLED			3	1				1					1						1			3		1				1		1	
1038	559224	613940	397	Plum Lake	Vilas	7/27/2017	EEH & JBS	1038	5	Muck	Pole	SAMPLED			2			2		1					1																			
1039	559287	614885	414	Plum Lake	Vilas	7/27/2017	EEH & JBS	1039	0			SHALLOW																																
1040	559287	614822	412	Plum Lake	Vilas	7/27/2017	EEH & JBS	1040	0			SHALLOW																																
1041	559287	614759	411	Plum Lake	Vilas	7/27/2017	EEH & JBS	1041	5	Sand	Pole	SAMPLED			1			1							1																			
1042	559287	614696	410	Plum Lake	Vilas	7/27/2017	EEH & JBS	1042	11	Muck	Pole	SAMPLED			2					1					1												1				2			
1043	559287	614633	409	Plum Lake	Vilas	7/27/2017	EEH & JBS	1043	10	Muck	Pole	SAMPLED			1		1						1			1								1										
1044	559287	614570	408	Plum Lake	Vilas	7/27/2017	EEH & JBS	1044	8	Muck	Pole	SAMPLED			3		1			1			3			0																		
1045	559287	614507	407	Plum Lake	Vilas	7/27/2017	EEH & JBS	1045	7	Muck	Pole	SAMPLED			1					1					1	1							1								1			
1046	559287	614444	406	Plum Lake	Vilas	7/27/2017	EEH & JBS	1046	0			SHALLOW																																
1047	559287	614381	405	Plum Lake	Vilas	7/27/2017	EEH & JBS	1047	10	Muck	Pole	SAMPLED			3		1						2										1		1		1							
1048	559287	614318	404	Plum Lake	Vilas	7/27/2017	EEH & JBS	1048	15	Muck	Pole	SAMPLED			0																													
1049	559287	614255	403	Plum Lake	Vilas	7/27/2017	EEH & JBS	1049	15	Muck	Pole	SAMPLED			1																						1							
1050	559287	614192	402	Plum Lake	Vilas	7/27/2017	EEH & JBS	1050	15	Muck	Pole	SAMPLED			1		1																											

Point Number	Latitude	Longitude	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Elocharis acicularis	Elodea canadensis	Heteranthera dubia	Lemna trisulca	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Pontederia cordata	Potamogeton gramineus	Potamogeton illinoensis	Potamogeton praelongus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Utricularia vulgaris	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
1051	559287	614129	401	Plum Lake	Vilas	7/27/2017	EEH & JBS	1051	11	Muck	Pole	SAMPLED			2		2															1			1		2								
1052	559287	614066	400	Plum Lake	Vilas	7/27/2017	EEH & JBS	1052	6	Muck	Pole	SAMPLED			1								1		1	1																1			
1053	559287	614003	399	Plum Lake	Vilas	7/27/2017	EEH & JBS	1053	4	Muck	Pole	SAMPLED			1										1	1																			
1054	559287	613940	398	Plum Lake	Vilas	7/27/2017	EEH & JBS	1054	4	Muck	Pole	SAMPLED			3	1				1					1	3									1					1	1				
1055	559350	614885	415	Plum Lake	Vilas	7/27/2017	EEH & JBS	1055	0			SHALLOW																																
1056	559350	614822	413	Plum Lake	Vilas	7/27/2017	EEH & JBS	1056	0			SHALLOW																																
1057	559350	614759	416	Plum Lake	Vilas	7/27/2017	EEH & JBS	1057	5	Sand	Pole	SAMPLED			1			1							1																1			
1058	559350	614696	417	Plum Lake	Vilas	7/27/2017	EEH & JBS	1058	10	Muck	Pole	SAMPLED			3		3			1																	1								
1059	559350	614633	418	Plum Lake	Vilas	7/27/2017	EEH & JBS	1059	7	Muck	Pole	SAMPLED			1					1					1	1								1											
1060	559350	614570	419	Plum Lake	Vilas	7/27/2017	EEH & JBS	1060	7	Muck	Pole	SAMPLED			1		1									1							1												
1061	559350	614507	420	Plum Lake	Vilas	7/27/2017	EEH & JBS	1061	1	Rock	Pole	SAMPLED			1								1																						
1062	559350	614444	424	Plum Lake	Vilas	7/27/2017	EEH & JBS	1062	0			SHALLOW																																
1063	559350	614381	425	Plum Lake	Vilas	7/27/2017	EEH & JBS	1063	9	Muck	Pole	SAMPLED			3		3																		1		1								
1064	559350	614318	426	Plum Lake	Vilas	7/27/2017	EEH & JBS	1064	11	Muck	Pole	SAMPLED			3					1			1												3		1								
1065	559350	614255	427	Plum Lake	Vilas	7/27/2017	EEH & JBS	1065	13	Muck	Pole	SAMPLED			3		3						1														1								
1066	559350	614192	429	Plum Lake	Vilas	7/27/2017	EEH & JBS	1066	12	Muck	Pole	SAMPLED			3		3															1													
1067	559350	614129	430	Plum Lake	Vilas	7/27/2017	EEH & JBS	1067	7	Muck	Pole	SAMPLED			3	1	1						1		1								1		1						2			
1068	559350	614066	431	Plum Lake	Vilas	7/27/2017	EEH & JBS	1068	5	Muck	Pole	SAMPLED			1	1		1							1																				
1069	559350	614003	432	Plum Lake	Vilas	7/27/2017	EEH & JBS	1069	0			NONNAVIGABLE (PLANTS)																																
1070	559413	614696	423	Plum Lake	Vilas	7/27/2017	EEH & JBS	1070	4	Rock	Pole	SAMPLED			3										3																1			
1071	559413	614633	422	Plum Lake	Vilas	7/27/2017	EEH & JBS	1071	6	Muck	Pole	SAMPLED			2		1			1						1							1		1						2			
1072	559413	614570	421	Plum Lake	Vilas	7/27/2017	EEH & JBS	1072	4	Sand	Pole	SAMPLED			3					1					1								1	1							1			
1073	559413	614381	437	Plum Lake	Vilas	7/27/2017	EEH & JBS	1073	2	Muck	Pole	SAMPLED			3		3								1			1								1	1				1			
1074	559413	614318	436	Plum Lake	Vilas	7/27/2017	EEH & JBS	1074	5	Muck	Pole	SAMPLED			3																			1	3						2			
1075	559413	614255	435	Plum Lake	Vilas	7/27/2017	EEH & JBS	1075	10	Muck	Pole	SAMPLED			3		3			1			1			1									1		1							
1076	559413	614192	434	Plum Lake	Vilas	7/27/2017	EEH & JBS	1076	6	Muck	Pole	SAMPLED			3	1	2			1			1										1								2			
1077	559413	614129	433	Plum Lake	Vilas	7/27/2017	EEH & JBS	1077	4	Sand	Pole	SAMPLED			1			1							1						1										1			
1078	559476	614255	438	Plum Lake	Vilas	7/27/2017	EEH & JBS	1078	2	Sand	Pole	SAMPLED			0																													

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Brasenia schreberi	Chara spp.	Elodea canadensis	Myriophyllum sibiricum	Najas flexilis	Nymphaea odorata	Pontederia cordata	Potamogeton friesii	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton stricifolius	Potamogeton zosteriformis	Sagittaria sp. (rosette)	Schoenoplectus acutus	Utricularia geminiscapa	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
1			193	West Plum Lake	Vilas	8/8/2017	TWH & JBS	1	3	Rock	Pole	SAMPLED			1								1											1
2			194	West Plum Lake	Vilas	8/8/2017	TWH & JBS	2	2	Muck	Pole	SAMPLED			2					2						1									
3			195	West Plum Lake	Vilas	8/8/2017	TWH & JBS	3	3	Muck	Pole	SAMPLED			2								2												
4			192	West Plum Lake	Vilas	8/8/2017	TWH & JBS	4	2	Muck	Pole	SAMPLED			1								1	1											
5			191	West Plum Lake	Vilas	8/8/2017	TWH & JBS	5	2	Muck	Pole	SAMPLED			2		1	2		1															
6			190	West Plum Lake	Vilas	8/8/2017	TWH & JBS	6	1	Muck	Pole	SAMPLED			1			1																	
7			189	West Plum Lake	Vilas	8/8/2017	TWH & JBS	7	2	Muck	Pole	SAMPLED			0																				
8			196	West Plum Lake	Vilas	8/8/2017	TWH & JBS	8	0			SHALLOW																							
9			186	West Plum Lake	Vilas	8/8/2017	TWH & JBS	9	3	Muck	Pole	SAMPLED			3					3															
10			187	West Plum Lake	Vilas	8/8/2017	TWH & JBS	10	3	Muck	Pole	SAMPLED			2								2												
11			188	West Plum Lake	Vilas	8/8/2017	TWH & JBS	11	2	Muck	Pole	SAMPLED	Check potst		2					2			1			1									
12			197	West Plum Lake	Vilas	8/8/2017	TWH & JBS	12	0			SHALLOW																							
13			185	West Plum Lake	Vilas	8/8/2017	TWH & JBS	13	2	Muck	Pole	SAMPLED			1		1					1						1				1			
14			184	West Plum Lake	Vilas	8/8/2017	TWH & JBS	14	3	Muck	Pole	SAMPLED			1								1												
15			183	West Plum Lake	Vilas	8/8/2017	TWH & JBS	15	2	Muck	Pole	SAMPLED			2								2												
16			198	West Plum Lake	Vilas	8/8/2017	TWH & JBS	16	0			SHALLOW																							
17			180	West Plum Lake	Vilas	8/8/2017	TWH & JBS	17	3	Muck	Pole	SAMPLED			2			1		1			2												
18			181	West Plum Lake	Vilas	8/8/2017	TWH & JBS	18	2	Muck	Pole	SAMPLED			1			1			1		1												
19			182	West Plum Lake	Vilas	8/8/2017	TWH & JBS	19	2	Muck	Pole	SAMPLED			0																				
20			179	West Plum Lake	Vilas	8/8/2017	TWH & JBS	20	2	Muck	Pole	SAMPLED	Check to see if POTST is still POTST		2			2					1			1									
21			178	West Plum Lake	Vilas	8/8/2017	TWH & JBS	21	2	Muck	Pole	SAMPLED			1			1							1									1	
22			173	West Plum Lake	Vilas	8/8/2017	TWH & JBS	22	0			NONNAVIGABLE (PLANTS)																							
23			174	West Plum Lake	Vilas	8/8/2017	TWH & JBS	23	3	Muck	Pole	SAMPLED			2			1					1												
24			175	West Plum Lake	Vilas	8/8/2017	TWH & JBS	24	3	Muck	Pole	SAMPLED			0																				
25			176	West Plum Lake	Vilas	8/8/2017	TWH & JBS	25	2	Muck	Pole	SAMPLED			1																		1		
26			177	West Plum Lake	Vilas	8/8/2017	TWH & JBS	26	2	Rock	Pole	SAMPLED			1			1																	
27			172	West Plum Lake	Vilas	8/8/2017	TWH & JBS	27	0			NONNAVIGABLE (PLANTS)																							
28			171	West Plum Lake	Vilas	8/8/2017	TWH & JBS	28	0			SHALLOW																							
29			170	West Plum Lake	Vilas	8/8/2017	TWH & JBS	29	3	Muck	Pole	SAMPLED			0																				
30			169	West Plum Lake	Vilas	8/8/2017	TWH & JBS	30	2	Muck	Pole	SAMPLED			1			1			1		1												
31			168	West Plum Lake	Vilas	8/8/2017	TWH & JBS	31	2	Muck	Pole	SAMPLED			3								3												
32			155	West Plum Lake	Vilas	8/8/2017	TWH & JBS	32	0			SHALLOW																							
33			156	West Plum Lake	Vilas	8/8/2017	TWH & JBS	33	0			NONNAVIGABLE (PLANTS)																							
34			164	West Plum Lake	Vilas	8/8/2017	TWH & JBS	34	3	Muck	Pole	SAMPLED			1								1												
35			165	West Plum Lake	Vilas	8/8/2017	TWH & JBS	35	2	Rock	Pole	SAMPLED			1								1												
36			166	West Plum Lake	Vilas	8/8/2017	TWH & JBS	36	2	Rock	Pole	SAMPLED			3			3					1												
37			167	West Plum Lake	Vilas	8/8/2017	TWH & JBS	37	2	Muck	Pole	SAMPLED			2		1	1					1												
38			151	West Plum Lake	Vilas	8/8/2017	TWH & JBS	38	1	Muck	Pole	SAMPLED			0																				
39			152	West Plum Lake	Vilas	8/8/2017	TWH & JBS	39	0			NONNAVIGABLE (PLANTS)																							
40			153	West Plum Lake	Vilas	8/8/2017	TWH & JBS	40	0			NONNAVIGABLE (PLANTS)																							
41			163	West Plum Lake	Vilas	8/8/2017	TWH & JBS	41	2	Muck	Pole	SAMPLED			0																				
42			162	West Plum Lake	Vilas	8/8/2017	TWH & JBS	42	3	Muck	Pole	SAMPLED			1		1																		
43			161	West Plum Lake	Vilas	8/8/2017	TWH & JBS	43	1	Rock	Pole	SAMPLED			1		1																		
44			149	West Plum Lake	Vilas	8/8/2017	TWH & JBS	44	2	Muck	Pole	SAMPLED			0																				
45			150	West Plum Lake	Vilas	8/8/2017	TWH & JBS	45	0			NONNAVIGABLE (PLANTS)																							
46			154	West Plum Lake	Vilas	8/8/2017	TWH & JBS	46	0			NONNAVIGABLE (PLANTS)																							
47			157	West Plum Lake	Vilas	8/8/2017	TWH & JBS	47	3	Muck	Pole	SAMPLED			1			1																	
48			158	West Plum Lake	Vilas	8/8/2017	TWH & JBS	48	2	Muck	Pole	SAMPLED											1												
49			159	West Plum Lake	Vilas	8/8/2017	TWH & JBS	49	2	Muck	Pole	SAMPLED			2			1					2												
50			160	West Plum Lake	Vilas	8/8/2017	TWH & JBS	50	0			SHALLOW																							
51			147	West Plum Lake	Vilas	8/8/2017	TWH & JBS	51	3	Muck	Pole	SAMPLED			1			1																	
52			148	West Plum Lake	Vilas	8/8/2017	TWH & JBS	52	0			NONNAVIGABLE (PLANTS)																							
53			146	West Plum Lake	Vilas	8/8/2017	TWH & JBS	53	3	Muck	Pole	SAMPLED			1								1												
54			145	West Plum Lake	Vilas	8/8/2017	TWH & JBS	54	2	Muck	Pole	SAMPLED			0																				
55			144	West Plum Lake	Vilas	8/8/2017	TWH & JBS	55	2	Muck	Pole	SAMPLED			2			1	1																
56			143	West Plum Lake	Vilas	8/8/2017	TWH & JBS	56	2	Muck	Pole	SAMPLED			1			1																	
57			142	West Plum Lake	Vilas	8/8/2017	TWH & JBS	57	2	Muck	Pole	SAMPLED	POTST needs ID confirmation		2			2																	
58			141	West Plum Lake	Vilas	8/8/2017	TWH & JBS	58	2	Sand	Pole	SAMPLED			1			1																	
59			131	West Plum Lake	Vilas	8/8/2017	TWH & JBS	59	0			SHALLOW																							

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Brasenia schreberi	Chara spp.	Elodea canadensis	Myriophyllum sibiricum	Najas flexilis	Nymphaea odorata	Pontederia cordata	Potamogeton friesii	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton strictifolius	Potamogeton zosteriformis	Sagittaria sp. (rosette)	Schoenoplectus acutus	Utricularia geminiscapa	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
60			132	West Plum Lake	Vilas	8/8/2017	TWH & JBS	60	2	Muck	Pole	SAMPLED			0																			
61			133	West Plum Lake	Vilas	8/8/2017	TWH & JBS	61	2	Muck	Pole	SAMPLED			1			1																
62			134	West Plum Lake	Vilas	8/8/2017	TWH & JBS	62	2	Muck	Pole	SAMPLED			3			3																
63			135	West Plum Lake	Vilas	8/8/2017	TWH & JBS	63	2	Muck	Pole	SAMPLED			2			2														1		
64			136	West Plum Lake	Vilas	8/8/2017	TWH & JBS	64	3	Muck	Pole	SAMPLED			3			3																
65			137	West Plum Lake	Vilas	8/8/2017	TWH & JBS	65	2	Muck	Pole	SAMPLED			3			3					1											
66			138	West Plum Lake	Vilas	8/8/2017	TWH & JBS	66	2	Muck	Pole	SAMPLED			1			1																
67			139	West Plum Lake	Vilas	8/8/2017	TWH & JBS	67	2	Muck	Pole	SAMPLED			1			1																
68			140	West Plum Lake	Vilas	8/8/2017	TWH & JBS	68	2	Muck	Pole	SAMPLED			3			1					3											
69			130	West Plum Lake	Vilas	8/8/2017	TWH & JBS	69	2	Muck	Pole	SAMPLED			0																			
70			129	West Plum Lake	Vilas	8/8/2017	TWH & JBS	70	2	Muck	Pole	SAMPLED			1			1																
71			128	West Plum Lake	Vilas	8/8/2017	TWH & JBS	71	2	Muck	Pole	SAMPLED			2			2																
72			127	West Plum Lake	Vilas	8/8/2017	TWH & JBS	72	3	Muck	Pole	SAMPLED			1			1																
73			126	West Plum Lake	Vilas	8/8/2017	TWH & JBS	73	3	Muck	Pole	SAMPLED			3			3					1											
74			125	West Plum Lake	Vilas	8/8/2017	TWH & JBS	74	4	Muck	Pole	SAMPLED			3			2	1				3											
75			124	West Plum Lake	Vilas	8/8/2017	TWH & JBS	75	5	Muck	Pole	SAMPLED			3			2					1	2										
76			123	West Plum Lake	Vilas	8/8/2017	TWH & JBS	76	5	Muck	Pole	SAMPLED			3			1	2				2											
77			122	West Plum Lake	Vilas	8/8/2017	TWH & JBS	77	4	Muck	Pole	SAMPLED			1			1					1											
78			121	West Plum Lake	Vilas	8/8/2017	TWH & JBS	78	2	Muck	Pole	SAMPLED			2								2											
79			110	West Plum Lake	Vilas	8/8/2017	TWH & JBS	79	2	Muck	Pole	SAMPLED			1			1																
80			111	West Plum Lake	Vilas	8/8/2017	TWH & JBS	80	2	Muck	Pole	SAMPLED			0																			
81			112	West Plum Lake	Vilas	8/8/2017	TWH & JBS	81	2	Muck	Pole	SAMPLED			3			3					1											
82			113	West Plum Lake	Vilas	8/8/2017	TWH & JBS	82	3	Muck	Pole	SAMPLED			3			3						1										
83			114	West Plum Lake	Vilas	8/8/2017	TWH & JBS	83	4	Muck	Pole	SAMPLED			3			3																1	
84			115	West Plum Lake	Vilas	8/8/2017	TWH & JBS	84	5	Muck	Pole	SAMPLED			2			2					1											
85			116	West Plum Lake	Vilas	8/8/2017	TWH & JBS	85	6	Muck	Pole	SAMPLED			3			1	3				1											
86			117	West Plum Lake	Vilas	8/8/2017	TWH & JBS	86	6	Muck	Pole	SAMPLED			1			1																
87			118	West Plum Lake	Vilas	8/8/2017	TWH & JBS	87	5	Muck	Pole	SAMPLED			1			1																
88			119	West Plum Lake	Vilas	8/8/2017	TWH & JBS	88	4	Muck	Pole	SAMPLED			1			1																
89			120	West Plum Lake	Vilas	8/8/2017	TWH & JBS	89	2	Sand	Pole	SAMPLED			2			1					1								1			
90			109	West Plum Lake	Vilas	8/8/2017	TWH & JBS	90	2	Sand	Pole	SAMPLED			1																1			
91			108	West Plum Lake	Vilas	8/8/2017	TWH & JBS	91	2	Muck	Pole	SAMPLED			1			1					1											
92			107	West Plum Lake	Vilas	8/8/2017	TWH & JBS	92	2	Muck	Pole	SAMPLED			1			1						1										
93			106	West Plum Lake	Vilas	8/8/2017	TWH & JBS	93	2	Muck	Pole	SAMPLED			2			2																
94			105	West Plum Lake	Vilas	8/8/2017	TWH & JBS	94	5	Muck	Pole	SAMPLED			1			1																
95			104	West Plum Lake	Vilas	8/8/2017	TWH & JBS	95	6	Muck	Pole	SAMPLED			2			1					1				2							
96			103	West Plum Lake	Vilas	8/8/2017	TWH & JBS	96	6	Muck	Pole	SAMPLED			1			1					1											
97			102	West Plum Lake	Vilas	8/8/2017	TWH & JBS	97	6	Muck	Pole	SAMPLED			1			1																
98			101	West Plum Lake	Vilas	8/8/2017	TWH & JBS	98	6	Muck	Pole	SAMPLED			3			2	2				1											
99			100	West Plum Lake	Vilas	8/8/2017	TWH & JBS	99	3	Muck	Pole	SAMPLED			3			3	1															
100			99	West Plum Lake	Vilas	8/8/2017	TWH & JBS	100	3	Muck	Pole	SAMPLED			2			1					2											
101			98	West Plum Lake	Vilas	8/8/2017	TWH & JBS	101	2	Muck	Pole	SAMPLED			2			1					2											
102			86	West Plum Lake	Vilas	8/8/2017	TWH & JBS	102	2	Muck	Pole	SAMPLED			1			1																
103			87	West Plum Lake	Vilas	8/8/2017	TWH & JBS	103	2	Muck	Pole	SAMPLED			1			1																
104			88	West Plum Lake	Vilas	8/8/2017	TWH & JBS	104	3	Muck	Pole	SAMPLED			2			1					1											1	
105			89	West Plum Lake	Vilas	8/8/2017	TWH & JBS	105	3	Muck	Pole	SAMPLED			3			3	1															
106			90	West Plum Lake	Vilas	8/8/2017	TWH & JBS	106	4	Muck	Pole	SAMPLED			1			1					1				1							
107			91	West Plum Lake	Vilas	8/8/2017	TWH & JBS	107	6	Muck	Pole	SAMPLED			1			1					1											
108			92	West Plum Lake	Vilas	8/8/2017	TWH & JBS	108	6	Muck	Pole	SAMPLED			3			1		1			2								2			
109			93	West Plum Lake	Vilas	8/8/2017	TWH & JBS	109	6	Muck	Pole	SAMPLED			0																			
110			94	West Plum Lake	Vilas	8/8/2017	TWH & JBS	110	6	Muck	Pole	SAMPLED			2			2	1				1										1	
111			95	West Plum Lake	Vilas	8/8/2017	TWH & JBS	111	3	Muck	Pole	SAMPLED			3			3					1											
112			96	West Plum Lake	Vilas	8/8/2017	TWH & JBS	112	3	Muck	Pole	SAMPLED			1			1			1		1											
113			97	West Plum Lake	Vilas	8/8/2017	TWH & JBS	113	2	Muck	Pole	SAMPLED			2								2											
114			85	West Plum Lake	Vilas	8/8/2017	TWH & JBS	114	2	Muck	Pole	SAMPLED			0																			
115			84	West Plum Lake	Vilas	8/8/2017	TWH & JBS	115	2	Muck	Pole	SAMPLED			1			1		1														
116			83	West Plum Lake	Vilas	8/8/2017	TWH & JBS	116	2	Muck	Pole	SAMPLED			1			1														1		
117			82	West Plum Lake	Vilas	8/8/2017	TWH & JBS	117	3	Muck	Pole	SAMPLED			1			1																
118			81	West Plum Lake	Vilas	8/8/2017	TWH & JBS	118	3	Muck	Pole	SAMPLED			1			1																

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Brasenia schreberi	Chara spp.	Etodea canadensis	Myriophyllum sibiricum	Najas flexilis	Nymphaea odorata	Pontederia cordata	Potamogeton friesii	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton stricifolius	Potamogeton zosteriformis	Sagittaria sp. (rosette)	Schoenoplectus acutus	Utricularia geminiscapa	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
119			80	West Plum Lake	Vilas	8/8/2017	TWH & JBS	119	3	Muck	Pole	SAMPLED			1			1																
120			79	West Plum Lake	Vilas	8/8/2017	TWH & JBS	120	6	Muck	Pole	SAMPLED			1			1					1												
121			78	West Plum Lake	Vilas	8/8/2017	TWH & JBS	121	4	Muck	Pole	SAMPLED			3			3							1									1	
122			77	West Plum Lake	Vilas	8/8/2017	TWH & JBS	122	5	Muck	Pole	SAMPLED			3			3	1					1	1										
123			76	West Plum Lake	Vilas	8/8/2017	TWH & JBS	123	6	Muck	Pole	SAMPLED			3			2	1				2												
124			75	West Plum Lake	Vilas	8/8/2017	TWH & JBS	124	3	Muck	Pole	SAMPLED			3			3					1												
125			74	West Plum Lake	Vilas	8/8/2017	TWH & JBS	125	3	Muck	Pole	SAMPLED			1								1												
126			73	West Plum Lake	Vilas	8/8/2017	TWH & JBS	126	2	Muck	Pole	SAMPLED			1			1																	
127			59	West Plum Lake	Vilas	8/8/2017	TWH & JBS	127	2	Muck	Pole	SAMPLED			0																				
128			60	West Plum Lake	Vilas	8/8/2017	TWH & JBS	128	2	Muck	Pole	SAMPLED			1			1														1			
129			61	West Plum Lake	Vilas	8/8/2017	TWH & JBS	129	2	Muck	Pole	SAMPLED			1			1									1								
130			62	West Plum Lake	Vilas	8/8/2017	TWH & JBS	130	2	Muck	Pole	SAMPLED			1			1																	
131			63	West Plum Lake	Vilas	8/8/2017	TWH & JBS	131	2	Muck	Pole	SAMPLED			1			1																	
132			64	West Plum Lake	Vilas	8/8/2017	TWH & JBS	132	2	Muck	Pole	SAMPLED			3			2					1	1			1								
133			65	West Plum Lake	Vilas	8/8/2017	TWH & JBS	133	3	Muck	Pole	SAMPLED			2			1					1												
134			66	West Plum Lake	Vilas	8/8/2017	TWH & JBS	134	5	Muck	Pole	SAMPLED			2			1		1			1												
135			67	West Plum Lake	Vilas	8/8/2017	TWH & JBS	135	4	Muck	Pole	SAMPLED			3			2							3										
136			68	West Plum Lake	Vilas	8/8/2017	TWH & JBS	136	5	Muck	Pole	SAMPLED			3			2					1				1								
137			69	West Plum Lake	Vilas	8/8/2017	TWH & JBS	137	5	Muck	Pole	SAMPLED			3			2					1		1						1				
138			70	West Plum Lake	Vilas	8/8/2017	TWH & JBS	138	3	Muck	Pole	SAMPLED			3			3					1												
139			71	West Plum Lake	Vilas	8/8/2017	TWH & JBS	139	2	Muck	Pole	SAMPLED			1								1		1										
140			72	West Plum Lake	Vilas	8/8/2017	TWH & JBS	140	1	Sand	Pole	SAMPLED			1			1							1										
141			58	West Plum Lake	Vilas	8/8/2017	TWH & JBS	141	2	Muck	Pole	SAMPLED			0																				
142			57	West Plum Lake	Vilas	8/8/2017	TWH & JBS	142	2	Muck	Pole	SAMPLED			0																				
143			56	West Plum Lake	Vilas	8/8/2017	TWH & JBS	143	3	Muck	Pole	SAMPLED			1			1																	
144			55	West Plum Lake	Vilas	8/8/2017	TWH & JBS	144	3	Muck	Pole	SAMPLED			1																	1			
145			54	West Plum Lake	Vilas	8/8/2017	TWH & JBS	145	3	Muck	Pole	SAMPLED			1			1																	
146			53	West Plum Lake	Vilas	8/8/2017	TWH & JBS	146	3	Muck	Pole	SAMPLED			1			1																	
147			52	West Plum Lake	Vilas	8/8/2017	TWH & JBS	147	3	Muck	Pole	SAMPLED			1			1																	
148			51	West Plum Lake	Vilas	8/8/2017	TWH & JBS	148	5	Muck	Pole	SAMPLED			3				1				2				2								
149			50	West Plum Lake	Vilas	8/8/2017	TWH & JBS	149	4	Muck	Pole	SAMPLED			2			1	1								1								
150			49	West Plum Lake	Vilas	8/8/2017	TWH & JBS	150	4	Muck	Pole	SAMPLED			2			2					1		2										
151			48	West Plum Lake	Vilas	8/8/2017	TWH & JBS	151	5	Muck	Pole	SAMPLED			3			2	2				1												
152			47	West Plum Lake	Vilas	8/8/2017	TWH & JBS	152	4	Muck	Pole	SAMPLED			1			1																	
153			205	West Plum Lake	Vilas	8/8/2017	TWH & JBS	153	0			NONNAVIGABLE (PLANTS)																						
154			204	West Plum Lake	Vilas	8/8/2017	TWH & JBS	154	2	Muck	Pole	SAMPLED			1			1														1			
155			203	West Plum Lake	Vilas	8/8/2017	TWH & JBS	155	2	Muck	Pole	SAMPLED			0																				
156			202	West Plum Lake	Vilas	8/8/2017	TWH & JBS	156	2	Muck	Pole	SAMPLED			1			1														1			
157			201	West Plum Lake	Vilas	8/8/2017	TWH & JBS	157	2	Muck	Pole	SAMPLED			0																				
158			200	West Plum Lake	Vilas	8/8/2017	TWH & JBS	158	3	Muck	Pole	SAMPLED			0																				
159			199	West Plum Lake	Vilas	8/8/2017	TWH & JBS	159	3	Muck	Pole	SAMPLED			0																				
160			42	West Plum Lake	Vilas	8/8/2017	TWH & JBS	160	3	Sand	Pole	SAMPLED			2			1					1		1				1						
161			43	West Plum Lake	Vilas	8/8/2017	TWH & JBS	161	0			NONNAVIGABLE (PLANTS)																						
162			44	West Plum Lake	Vilas	8/8/2017	TWH & JBS	162	3	Muck	Pole	SAMPLED			1						1				1										
163			45	West Plum Lake	Vilas	8/8/2017	TWH & JBS	163	3	Muck	Pole	SAMPLED			2			1	1				1												
164			46	West Plum Lake	Vilas	8/8/2017	TWH & JBS	164	4	Muck	Pole	SAMPLED			2			2	1						1						1				
165			31	West Plum Lake	Vilas	8/8/2017	TWH & JBS	165	2	Muck	Pole	SAMPLED			1								1												
166			32	West Plum Lake	Vilas	8/8/2017	TWH & JBS	166	2	Muck	Pole	SAMPLED			1			1																	
167			33	West Plum Lake	Vilas	8/8/2017	TWH & JBS	167	2	Muck	Pole	SAMPLED			0																				
168			34	West Plum Lake	Vilas	8/8/2017	TWH & JBS	168	2	Muck	Pole	SAMPLED			0																				
169			35	West Plum Lake	Vilas	8/8/2017	TWH & JBS	169	3	Muck	Pole	SAMPLED			1			1																	
170			36	West Plum Lake	Vilas	8/8/2017	TWH & JBS	170	3	Muck	Pole	SAMPLED			1			1																	
171			37	West Plum Lake	Vilas	8/8/2017	TWH & JBS	171	2	Muck	Pole	SAMPLED			1			1						1								1			
172			38	West Plum Lake	Vilas	8/8/2017	TWH & JBS	172	2	Muck	Pole	SAMPLED			1			1														1			
173			39	West Plum Lake	Vilas	8/8/2017	TWH & JBS	173	2	Muck	Pole	SAMPLED			1				1				1							1					
174			40	West Plum Lake	Vilas	8/8/2017	TWH & JBS	174	0			NONNAVIGABLE (PLANTS)																						
175			41	West Plum Lake	Vilas	8/8/2017	TWH & JBS	175	0			NONNAVIGABLE (PLANTS)																						
176			30	West Plum Lake	Vilas	8/8/2017	TWH & JBS	176	0			NONNAVIGABLE (PLANTS)																						
177			29	West Plum Lake	Vilas	8/8/2017	TWH & JBS	177	3	Muck	Pole	SAMPLED			1	1		1																

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Brasenia schreberi	Chara spp.	Elodea canadensis	Myriophyllum sibiricum	Najas flexilis	Nymphaea odorata	Pontederia cordata	Potamogeton friesii	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton stricifolius	Potamogeton zosteriformis	Sagittaria sp. (rosette)	Schoenoplectus acutus	Utricularia geminiscapa	Vallisneria americana	Zizania spp.	Freshwater sponge	Filamentous algae
178			28	West Plum Lake	Vilas	8/8/2017	TWH & JBS	178	3	Muck	Pole	SAMPLED			1			1																
179			27	West Plum Lake	Vilas	8/8/2017	TWH & JBS	179	3	Muck	Pole	SAMPLED			0																			
180			26	West Plum Lake	Vilas	8/8/2017	TWH & JBS	180	2	Muck	Pole	SAMPLED			1										1									
181			25	West Plum Lake	Vilas	8/8/2017	TWH & JBS	181	2	Muck	Pole	SAMPLED			1			1																
182			24	West Plum Lake	Vilas	8/8/2017	TWH & JBS	182	2	Muck	Pole	SAMPLED			1						1													
183			22	West Plum Lake	Vilas	8/8/2017	TWH & JBS	183	2	Muck	Pole	SAMPLED			0																			
184			23	West Plum Lake	Vilas	8/8/2017	TWH & JBS	184	2	Muck	Pole	SAMPLED			1			1					1											
185			14	West Plum Lake	Vilas	8/8/2017	TWH & JBS	185	0			NONNAVIGABLE (PLANTS)																						
186			15	West Plum Lake	Vilas	8/8/2017	TWH & JBS	186	3	Muck	Pole	SAMPLED			1								1											
187			16	West Plum Lake	Vilas	8/8/2017	TWH & JBS	187	3	Muck	Pole	SAMPLED			0																			
188			17	West Plum Lake	Vilas	8/8/2017	TWH & JBS	188	3	Muck	Pole	SAMPLED			0																			
189			18	West Plum Lake	Vilas	8/8/2017	TWH & JBS	189	3	Muck	Pole	SAMPLED			0																			
190			19	West Plum Lake	Vilas	8/8/2017	TWH & JBS	190	2	Muck	Pole	SAMPLED			0																			
191			20	West Plum Lake	Vilas	8/8/2017	TWH & JBS	191	2	Muck	Pole	SAMPLED			0																			
192			21	West Plum Lake	Vilas	8/8/2017	TWH & JBS	192	0			NONNAVIGABLE (PLANTS)																						
193			13	West Plum Lake	Vilas	8/8/2017	TWH & JBS	193	0			NONNAVIGABLE (PLANTS)																						
194			12	West Plum Lake	Vilas	8/8/2017	TWH & JBS	194	3	Muck	Pole	SAMPLED			0																			
195			11	West Plum Lake	Vilas	8/8/2017	TWH & JBS	195	3	Muck	Pole	SAMPLED			0																			
196			7	West Plum Lake	Vilas	8/8/2017	TWH & JBS	196	3	Muck	Pole	SAMPLED			1																	1		
197			8	West Plum Lake	Vilas	8/8/2017	TWH & JBS	197	0			NONNAVIGABLE (PLANTS)																						
198			9	West Plum Lake	Vilas	8/8/2017	TWH & JBS	198	0			NONNAVIGABLE (PLANTS)																						
199			10	West Plum Lake	Vilas	8/8/2017	TWH & JBS	199	0			NONNAVIGABLE (PLANTS)																						
200			2	West Plum Lake	Vilas	8/8/2017	TWH & JBS	200	3	Muck	Pole	SAMPLED			0																			
201			3	West Plum Lake	Vilas	8/8/2017	TWH & JBS	201	3	Muck	Pole	SAMPLED			3			3																
202			5	West Plum Lake	Vilas	8/8/2017	TWH & JBS	202	3	Muck	Pole	SAMPLED			3			2					2											
203			6	West Plum Lake	Vilas	8/8/2017	TWH & JBS	203	0			NONNAVIGABLE (PLANTS)																						
204			1	West Plum Lake	Vilas	8/8/2017	TWH & JBS	204	3	Muck	Pole	SAMPLED			2					2														
205			4	West Plum Lake	Vilas	8/8/2017	TWH & JBS	205	2	Muck	Pole	SAMPLED			2		1	1					1											

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole, Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
1	46.043224	-89.478877	809	Star Lake	Vilas	8/3/2017	JLW & JMB	1	2	Sand	Pole	SAMPLED			0																									
2	46.043220	-89.478037	808	Star Lake	Vilas	8/3/2017	JLW & JMB	2	3	Sand	Pole	SAMPLED			0																									
3	46.042673	-89.486443	799	Star Lake	Vilas	8/3/2017	JLW & JMB	3	3	Sand	Pole	SAMPLED			1					1																	1		
4	46.042669	-89.485603	800	Star Lake	Vilas	8/3/2017	JLW & JMB	4	2	Sand	Pole	SAMPLED			1																						1		
5	46.042654	-89.482243	801	Star Lake	Vilas	8/3/2017	JLW & JMB	5	10	Muck	Pole	SAMPLED			2									1						2									
6	46.042650	-89.481403	802	Star Lake	Vilas	8/3/2017	JLW & JMB	6	12	Muck	Pole	SAMPLED			1							1		1				1											
7	46.042647	-89.480563	803	Star Lake	Vilas	8/3/2017	JLW & JMB	7	9	Muck	Pole	SAMPLED			2					1		1								1									
8	46.042643	-89.479723	804	Star Lake	Vilas	8/3/2017	JLW & JMB	8	10	Muck	Pole	SAMPLED			1															1									
9	46.042639	-89.478883	805	Star Lake	Vilas	8/3/2017	JLW & JMB	9	12	Muck	Pole	SAMPLED			1															1									
10	46.042635	-89.478043	806	Star Lake	Vilas	8/3/2017	JLW & JMB	10	11	Muck	Pole	SAMPLED			1							1																	
11	46.042631	-89.477203	807	Star Lake	Vilas	8/3/2017	JLW & JMB	11	6	Sand	Pole	SAMPLED			1					1		1								1				1					
12	46.042092	-89.487289	798	Star Lake	Vilas	8/3/2017	JLW & JMB	12	5	Muck	Pole	SAMPLED			1			1		1		1												1					
13	46.042088	-89.486449	797	Star Lake	Vilas	8/3/2017	JLW & JMB	13	8	Muck	Pole	SAMPLED			2			2				1						1											
14	46.042084	-89.485609	796	Star Lake	Vilas	8/3/2017	JLW & JMB	14	7	Muck	Pole	SAMPLED			2			2										1							1					
15	46.042081	-89.484769	795	Star Lake	Vilas	8/3/2017	JLW & JMB	15	4	Sand	Pole	SAMPLED			0																									
16	46.042077	-89.483929	794	Star Lake	Vilas	8/3/2017	JLW & JMB	16	5	Muck	Pole	SAMPLED			1			1						1																
17	46.042073	-89.483089	793	Star Lake	Vilas	8/3/2017	JLW & JMB	17	12	Muck	Pole	SAMPLED			2										1				2											
18	46.042069	-89.482249	792	Star Lake	Vilas	8/3/2017	JLW & JMB	18	13	Muck	Pole	SAMPLED			1		1								1															
19	46.042065	-89.481409	791	Star Lake	Vilas	8/3/2017	JLW & JMB	19	13	Muck	Pole	SAMPLED			1		1								1															
20	46.042062	-89.480569	790	Star Lake	Vilas	8/3/2017	JLW & JMB	20	14	Muck	Pole	SAMPLED			1		1																							
21	46.042058	-89.479729	789	Star Lake	Vilas	8/3/2017	JLW & JMB	21	13	Muck	Pole	SAMPLED			2		1								1															
22	46.042054	-89.478888	788	Star Lake	Vilas	8/3/2017	JLW & JMB	22	13	Muck	Pole	SAMPLED			1							1			1				1						1					
23	46.042050	-89.478048	787	Star Lake	Vilas	8/3/2017	JLW & JMB	23	13	Muck	Pole	SAMPLED			1		1			1									1											
24	46.042046	-89.477208	786	Star Lake	Vilas	8/3/2017	JLW & JMB	24	11	Muck	Pole	SAMPLED			2		1					1																	
25	46.042042	-89.476368	785	Star Lake	Vilas	8/3/2017	JLW & JMB	25	8	Muck	Pole	SAMPLED			1					1		1								1				1					
26	46.041511	-89.488134	0	Star Lake	Vilas			26	0			NO INFORMATION																											
27	46.041507	-89.487294	772	Star Lake	Vilas	8/3/2017	JLW & JMB	27	6	Muck	Pole	SAMPLED			2													2				1							
28	46.041503	-89.486454	773	Star Lake	Vilas	8/3/2017	JLW & JMB	28	7	Muck	Pole	SAMPLED			2			1				1						1	1						1					
29	46.041499	-89.485614	774	Star Lake	Vilas	8/3/2017	JLW & JMB	29	11	Muck	Pole	SAMPLED			3					1					1						3									
30	46.041496	-89.484774	775	Star Lake	Vilas	8/3/2017	JLW & JMB	30	13	Muck	Pole	SAMPLED			1										1						1									
31	46.041492	-89.483934	776	Star Lake	Vilas	8/3/2017	JLW & JMB	31	13	Muck	Pole	SAMPLED			1							1									1									
32	46.041488	-89.483094	777	Star Lake	Vilas	8/3/2017	JLW & JMB	32	13	Muck	Pole	SAMPLED			2					1					2															
33	46.041484	-89.482254	778	Star Lake	Vilas	8/3/2017	JLW & JMB	33	13	Muck	Pole	SAMPLED			1							1																	
34	46.041480	-89.481414	779	Star Lake	Vilas	8/3/2017	JLW & JMB	34	13	Muck	Pole	SAMPLED			1		1																							
35	46.041477	-89.480574	780	Star Lake	Vilas	8/3/2017	JLW & JMB	35	14	Muck	Pole	SAMPLED			0																									
36	46.041473	-89.479734	781	Star Lake	Vilas	8/3/2017	JLW & JMB	36	16		Rope	SAMPLED			1										1															
37	46.041469	-89.478894	782	Star Lake	Vilas	8/3/2017	JLW & JMB	37	16		Rope	SAMPLED			1										1															
38	46.041465	-89.478054	783	Star Lake	Vilas	8/3/2017	JLW & JMB	38	16		Rope	SAMPLED			0																									
39	46.041461	-89.477214	784	Star Lake	Vilas	8/3/2017	JLW & JMB	39	10	Muck	Pole	SAMPLED			1					1											1									
40	46.041457	-89.476374	756	Star Lake	Vilas	8/3/2017	JLW & JMB	40	12	Muck	Pole	SAMPLED			3	1				2									1											
41	46.040922	-89.487300	771	Star Lake	Vilas	8/3/2017	JLW & JMB	41	3	Sand	Pole	SAMPLED			1			1		1				1							1									
42	46.040918	-89.486460	770	Star Lake	Vilas	8/3/2017	JLW & JMB	42	10	Muck	Pole	SAMPLED			2					1		1							1											
43	46.040914	-89.485620	769	Star Lake	Vilas	8/3/2017	JLW & JMB	43	13	Muck	Pole	SAMPLED			2										1				1											
44	46.040911	-89.484780	768	Star Lake	Vilas	8/3/2017	JLW & JMB	44	13	Muck	Pole	SAMPLED			2										2															
45	46.040907	-89.483940	767	Star Lake	Vilas	8/3/2017	JLW & JMB	45	16		Rope	SAMPLED			2										2															
46	46.040903	-89.483100	766	Star Lake	Vilas	8/3/2017	JLW & JMB	46	17		Rope	SAMPLED			1										1															
47	46.040899	-89.482260	765	Star Lake	Vilas	8/3/2017	JLW & JMB	47	15		Rope	SAMPLED			0																									
48	46.040895	-89.481420	764	Star Lake	Vilas	8/3/2017	JLW & JMB	48	16		Rope	SAMPLED			1										1															
49	46.040892	-89.480580	763	Star Lake	Vilas	8/3/2017	JLW & JMB	49	16		Rope	SAMPLED			1										1															
50	46.040888	-89.479740	762	Star Lake	Vilas	8/3/2017	JLW & JMB	50	17		Rope	SAMPLED			1										1															
51	46.040884	-89.478899	761	Star Lake	Vilas	8/3/2017	JLW & JMB	51	19		Rope	SAMPLED			0																									
52	46.040880	-89.478059	760	Star Lake	Vilas	8/3/2017	JLW & JMB	52	19		Rope	SAMPLED			0																									
53	46.040876	-89.477219	755	Star Lake	Vilas	8/3/2017	JLW & JMB	53	18		Rope	SAMPLED			0																									
54	46.040872	-89.476379	757	Star Lake	Vilas	8/3/2017	JLW & JMB	54	13	Muck	Pole	SAMPLED			3		3																							
55	46.040869	-89.475539	758	Star Lake	Vilas	8/3/2017	JLW & JMB	55	2	Sand	Pole	SAMPLED			0																									
56	46.040337	-89.487305	740	Star Lake	Vilas	8/3/2017	JLW & JMB	56	1	Sand	Pole	SAMPLED			1																1			1						
57	46.040333	-89.486465	741	Star Lake	Vilas	8/3/2017	JLW & JMB	57	13	Muck	Pole	SAMPLED			3					1					3															
58	46.040329	-89.485625	742	Star Lake	Vilas	8/3/2017	JLW & JMB	58	14	Muck	Pole	SAMPLED			3										3															
59	46.040326	-89.484785	743	Star Lake	Vilas	8/3/2017	JLW & JMB	59	14	Muck	Pole	SAMPLED			3										3															
60	46.040322	-89.483945	744	Star Lake	Vilas	8/3/2017	JLW & JMB	60	16		Rope	SAMPLED			1										1															
61	46.040318	-89.483105	745	Star Lake	Vilas	8/3/2017	JLW & JMB	61	14	Muck	Pole	SAMPLED			3										3															
62	46.040314	-89.482265	746	Star Lake	Vilas	8/3/2017	JLW & JMB	62	11	Muck	Pole	SAMPLED			0																									
63	46.040310	-89.481425	747	Star Lake	Vilas	8/3/2017	JLW & JMB	63	6	Sand	Pole	SAMPLED			1			1													1									
64	46.040307	-89.480585	748	Star Lake	Vilas	8/3/2017	JLW & JMB	64	8	Sand	Pole	SAMPLED			2			2													1									
65	46.040303	-89.479745	749	Star Lake	Vilas	8/3/2017	JLW & JMB	65	5	Sand	Pole	SAMPLED			1			1					1																	
66	46.040299	-89.478905	750	Star Lake	Vilas	8/3/2017	JLW & JMB	66	13	Muck	Pole	SAMPLED			2					1					1				1											
67	46.040295	-89.478065	751	Star Lake	Vilas	8/3/2017	JLW & JMB	67	20		Rope	SAMPLED			0																									
68	46.040291	-89.477225	752	Star Lake	Vilas	8/3/2017	JLW & JMB	68	21		Rope	SAMPLED			0																									
69	46.040287	-89.476385	759	Star Lake	Vilas	8/3/2017	JLW & JMB	69	7	Muck	Pole	SAMPLED			1																1									
70	46.040284	-89.475545	754	Star Lake	Vilas	8/3/2017	JLW & JMB	70	3	Muck	Pole	SAMPLED			0																									
71	46.039752	-89.487311	739	Star Lake	Vilas	8/3/2017	JLW & JMB	71	5	Sand	Pole	SAMPLED			1									1																
72	46.039748	-89.486471	738	Star Lake	Vilas	8/3/2017	JLW & JMB	72	13	Muck	Pole	SAMPLED			3										3															
73	46.039744	-89.485631	737	Star Lake	Vilas	8/3/2017	JLW & JMB	73	16		Rope	SAMPLED			3										3															

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole, Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosterformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
74	46.039741	-89.484791	736	Star Lake	Vilas	8/3/2017	JLW & JMB	74	17		Rope	SAMPLED			0																									
75	46.039737	-89.483951	735	Star Lake	Vilas	8/3/2017	JLW & JMB	75	18		Rope	SAMPLED			1										1															
76	46.039733	-89.483111	734	Star Lake	Vilas	8/3/2017	JLW & JMB	76	15		Rope	SAMPLED			0										1										1					
77	46.039729	-89.482271	733	Star Lake	Vilas	8/3/2017	JLW & JMB	77	8	Muck	Pole	SAMPLED			1										1						1									
78	46.039725	-89.481431	732	Star Lake	Vilas	8/3/2017	JLW & JMB	78	6	Rock	Pole	SAMPLED			0																									
79	46.039722	-89.480591	731	Star Lake	Vilas	8/3/2017	JLW & JMB	79	4	Sand	Pole	SAMPLED			1			1													1									
80	46.039718	-89.479750	730	Star Lake	Vilas	8/3/2017	JLW & JMB	80	4	Sand	Pole	SAMPLED			2			2	1																					
81	46.039714	-89.478910	729	Star Lake	Vilas	8/3/2017	JLW & JMB	81	4	Sand	Pole	SAMPLED			1			1																		1				
82	46.039710	-89.478070	728	Star Lake	Vilas	8/3/2017	JLW & JMB	82	5	Rock	Pole	SAMPLED			1			1																						
83	46.039706	-89.477230	727	Star Lake	Vilas	8/3/2017	JLW & JMB	83	21		Rope	SAMPLED			0																									
84	46.039703	-89.476390	726	Star Lake	Vilas	8/3/2017	JLW & JMB	84	16		Rope	SAMPLED			0																									
85	46.039699	-89.475550	725	Star Lake	Vilas	8/3/2017	JLW & JMB	85	7	Muck	Pole	SAMPLED			1					1		1		1	1						1									
86	46.039171	-89.488156	708	Star Lake	Vilas	8/3/2017	JLW & JMB	86	7	Muck	Pole	SAMPLED			1																1									
87	46.039167	-89.487316	709	Star Lake	Vilas	8/3/2017	JLW & JMB	87	8	Muck	Pole	SAMPLED			2									1	1						1									
88	46.039163	-89.486476	710	Star Lake	Vilas	8/3/2017	JLW & JMB	88	5	Sand	Pole	SAMPLED			1			1																						
89	46.039159	-89.485636	711	Star Lake	Vilas	8/3/2017	JLW & JMB	89	6	Muck	Pole	SAMPLED			1		1			1		1									1				1					
90	46.039156	-89.484796	712	Star Lake	Vilas	8/3/2017	JLW & JMB	90	18		Rope	SAMPLED			0																									
91	46.039152	-89.483956	713	Star Lake	Vilas	8/3/2017	JLW & JMB	91	20		Rope	SAMPLED			0																									
92	46.039148	-89.483116	714	Star Lake	Vilas	8/3/2017	JLW & JMB	92	18		Rope	SAMPLED			0																									
93	46.039144	-89.482276	715	Star Lake	Vilas	8/3/2017	JLW & JMB	93	16		Rope	SAMPLED			1										1															
94	46.039140	-89.481436	716	Star Lake	Vilas	8/3/2017	JLW & JMB	94	6	Muck	Pole	SAMPLED			0																									
95	46.039137	-89.480596	717	Star Lake	Vilas	8/3/2017	JLW & JMB	95	5	Sand	Pole	SAMPLED			1			1																						
96	46.039133	-89.479756	718	Star Lake	Vilas	8/3/2017	JLW & JMB	96	4	Sand	Pole	SAMPLED			1			1																						
97	46.039129	-89.478916	719	Star Lake	Vilas	8/3/2017	JLW & JMB	97	3	Sand	Pole	SAMPLED			1			1																						
98	46.039125	-89.478076	720	Star Lake	Vilas	8/3/2017	JLW & JMB	98	22		Rope	SAMPLED			0																									
99	46.039121	-89.477236	721	Star Lake	Vilas	8/3/2017	JLW & JMB	99	23		Rope	SAMPLED			0																									
100	46.039118	-89.476396	722	Star Lake	Vilas	8/3/2017	JLW & JMB	100	22		Rope	SAMPLED			0																									
101	46.039114	-89.475556	723	Star Lake	Vilas	8/3/2017	JLW & JMB	101	16		Rope	SAMPLED			0																									
102	46.039110	-89.474716	724	Star Lake	Vilas	8/3/2017	JLW & JMB	102	1	Sand	Pole	SAMPLED			0																									
103	46.038612	-89.494041	864	Star Lake	Vilas	8/3/2017	JLW & JMB	103	3	Muck	Pole	SAMPLED			1			1						1																
104	46.038608	-89.493201	863	Star Lake	Vilas	8/3/2017	JLW & JMB	104	5	Muck	Pole	SAMPLED			1			1		1																	1		
105	46.038605	-89.492361	862	Star Lake	Vilas	8/3/2017	JLW & JMB	105	2	Sand	Pole	SAMPLED			1			1				1				1														
106	46.038586	-89.488161	707	Star Lake	Vilas	8/2/2017	JLW & JMB	106	16		Rope	SAMPLED			0																									
107	46.038582	-89.487321	706	Star Lake	Vilas	8/2/2017	JLW & JMB	107	17		Rope	SAMPLED			0																									
108	46.038578	-89.486481	705	Star Lake	Vilas	8/2/2017	JLW & JMB	108	16		Rope	SAMPLED			0																									
109	46.038574	-89.485641	704	Star Lake	Vilas	8/2/2017	JLW & JMB	109	6	Rock	Pole	SAMPLED			1																									
110	46.038571	-89.484801	703	Star Lake	Vilas	8/2/2017	JLW & JMB	110	18		Rope	SAMPLED			0																									
111	46.038567	-89.483961	702	Star Lake	Vilas	8/2/2017	JLW & JMB	111	22		Rope	SAMPLED			0																									
112	46.038563	-89.483121	701	Star Lake	Vilas	8/2/2017	JLW & JMB	112	13	Muck	Pole	SAMPLED			0																									
113	46.038559	-89.482281	700	Star Lake	Vilas	8/2/2017	JLW & JMB	113	10	Muck	Pole	SAMPLED			1										1															
114	46.038555	-89.481441	699	Star Lake	Vilas	8/2/2017	JLW & JMB	114	6	Sand	Pole	SAMPLED			1																1									
115	46.038552	-89.480601	698	Star Lake	Vilas	8/2/2017	JLW & JMB	115	18		Rope	SAMPLED			0																									
116	46.038548	-89.479761	697	Star Lake	Vilas	8/2/2017	JLW & JMB	116	16		Rope	SAMPLED			1										1															
117	46.038544	-89.478921	696	Star Lake	Vilas	8/2/2017	JLW & JMB	117	18		Rope	SAMPLED			1														1											
118	46.038540	-89.478081	695	Star Lake	Vilas	8/2/2017	JLW & JMB	118	22		Rope	SAMPLED			0																									
119	46.038536	-89.477241	694	Star Lake	Vilas	8/2/2017	JLW & JMB	119	19		Rope	SAMPLED			0																									
120	46.038533	-89.476402	693	Star Lake	Vilas	8/2/2017	JLW & JMB	120	23		Rope	SAMPLED			0																									
121	46.038529	-89.475562	691	Star Lake	Vilas	8/2/2017	JLW & JMB	121	19		Rope	SAMPLED			0																									
122	46.038525	-89.474722	692	Star Lake	Vilas	8/2/2017	JLW & JMB	122	0			DOCK	And people swimming																											
123	46.038049	-89.499087	908	Star Lake	Vilas	8/3/2017	JLW & JMB	123	3	Muck	Pole	SAMPLED			0																									1
124	46.038045	-89.498247	899	Star Lake	Vilas	8/3/2017	JLW & JMB	124	5	Muck	Pole	SAMPLED			0																									
125	46.038042	-89.497407	898	Star Lake	Vilas	8/3/2017	JLW & JMB	125	5	Muck	Pole	SAMPLED			1					1								1												
126	46.038038	-89.496567	886	Star Lake	Vilas	8/3/2017	JLW & JMB	126	4	Muck	Pole	SAMPLED			2			1							1								1					1		
127	46.038034	-89.495727	885	Star Lake	Vilas	8/3/2017	JLW & JMB	127	3	Muck	Pole	SAMPLED			1			1																				1		
128	46.038027	-89.494047	865	Star Lake	Vilas	8/3/2017	JLW & JMB	128	10	Muck	Pole	SAMPLED			1										1															
129	46.038023	-89.493207	866	Star Lake	Vilas	8/3/2017	JLW & JMB	129	6	Muck	Pole	SAMPLED			2		1			1													1					2		
130	46.038020	-89.492367	861	Star Lake	Vilas	8/3/2017	JLW & JMB	130	5	Muck	Pole	SAMPLED			1			1				1																1		
131	46.038005	-89.489007	814	Star Lake	Vilas	8/3/2017	JLW & JMB	131	5	Sand	Pole	SAMPLED			1																1									
132	46.038001	-89.488167	813	Star Lake	Vilas	8/3/2017	JLW & JMB	132	16		Rope	SAMPLED			0																									
133	46.037997	-89.487327	812	Star Lake	Vilas	8/3/2017	JLW & JMB	133	17		Rope	SAMPLED			0																									
134	46.037993	-89.486487	811	Star Lake	Vilas	8/3/2017	JLW & JMB	134	20		Rope	SAMPLED			0																									
135	46.037989	-89.485647	810	Star Lake	Vilas	8/3/2017	JLW & JMB	135	21		Rope	SAMPLED			0																									
136	46.037986	-89.484807	679	Star Lake	Vilas	8/2/2017	JLW & JMB	136	25		Rope	SAMPLED			0																									
137	46.037982	-89.483967	680	Star Lake	Vilas	8/2/2017	JLW & JMB	137	11	Sand	Pole	SAMPLED			0																									
138	46.037978	-89.483127	681	Star Lake	Vilas	8/2/2017	JLW & JMB	138	16		Rope	SAMPLED			0																									
139	46.037974	-89.482287	682	Star Lake	Vilas	8/2/2017	JLW & JMB	139	7	Sand	Pole	SAMPLED			0																									
140	46.037970	-89.481447	683	Star Lake	Vilas	8/2/2017	JLW & JMB	140	8	Rock	Pole	SAMPLED			1			1																						
141	46.037967	-89.480607	684	Star Lake	Vilas	8/2/2017	JLW & JMB	141	26			DEEP																												
142	46.037963	-89.479767	685	Star Lake	Vilas	8/2/2017	JLW & JMB	142	27			DEEP																												
143	46.037959	-89.478927	686	Star Lake	Vilas	8/2/2017	JLW & JMB	143	28			DEEP																												
144	46.037955	-89.478087	687	Star Lake	Vilas	8/2/2017	JLW & JMB	144	25		Rope	SAMPLED			0																									
145	46.037951	-89.477247	688	Star Lake	Vilas	8/2/2017	JLW & JMB	145	13	Rock	Pole	SAMPLED			0																									
146	46.037948	-89.476407	689	Star Lake	Vilas	8/2/2017	JLW & JMB	146	21		Rope	SAMPLED			0																									

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
147	46.037944	-89.475567	690	Star Lake	Vilas	8/2/2017	JLW & JMB	147	10	Muck	Pole	SAMPLED			0																									
148	46.037464	-89.499092	907	Star Lake	Vilas	8/3/2017	JLW & JMB	148	5	Muck	Pole	SAMPLED			1																		1					1		
149	46.037460	-89.498252	900	Star Lake	Vilas	8/3/2017	JLW & JMB	149	6	Muck	Pole	SAMPLED			1					1											1		1							
150	46.037457	-89.497412	897	Star Lake	Vilas	8/3/2017	JLW & JMB	150	6	Muck	Pole	SAMPLED			3		3																1					1		
151	46.037453	-89.496572	887	Star Lake	Vilas	8/3/2017	JLW & JMB	151	5	Muck	Pole	SAMPLED			3					1													2					2		
152	46.037449	-89.495732	884	Star Lake	Vilas	8/3/2017	JLW & JMB	152	5	Muck	Pole	SAMPLED			1			1													1		1							
153	46.037446	-89.494892	869	Star Lake	Vilas	8/3/2017	JLW & JMB	153	2	Sand	Pole	SAMPLED			1			1						1																
154	46.037442	-89.494052	868	Star Lake	Vilas	8/3/2017	JLW & JMB	154	7	Muck	Pole	SAMPLED			1										1															
155	46.037438	-89.493212	867	Star Lake	Vilas	8/3/2017	JLW & JMB	155	7	Muck	Pole	SAMPLED			2																1		2						1	
156	46.037435	-89.492372	860	Star Lake	Vilas	8/3/2017	JLW & JMB	156	9	Muck	Pole	SAMPLED			1					1											1		1							
157	46.037423	-89.489852	815	Star Lake	Vilas	8/3/2017	JLW & JMB	157	3	Sand	Pole	SAMPLED			0																									
158	46.037420	-89.489012	816	Star Lake	Vilas	8/3/2017	JLW & JMB	158	16		Rope	SAMPLED			0																									
159	46.037416	-89.488172	817	Star Lake	Vilas	8/3/2017	JLW & JMB	159	4	Rock	Pole	SAMPLED			0																									
160	46.037412	-89.487332	818	Star Lake	Vilas	8/3/2017	JLW & JMB	160	11	Rock	Pole	SAMPLED			0																									
161	46.037408	-89.486492	819	Star Lake	Vilas	8/3/2017	JLW & JMB	161	20		Rope	SAMPLED			0																									
162	46.037404	-89.485652	820	Star Lake	Vilas	8/3/2017	JLW & JMB	162	22		Rope	SAMPLED			0																									
163	46.037401	-89.484812	677	Star Lake	Vilas	8/2/2017	JLW & JMB	163	24		Rope	SAMPLED			0																									
164	46.037397	-89.483972	676	Star Lake	Vilas	8/2/2017	JLW & JMB	164	25			DEEP																												
165	46.037393	-89.483132	675	Star Lake	Vilas	8/2/2017	JLW & JMB	165	25			DEEP																												
166	46.037389	-89.482292	673	Star Lake	Vilas	8/2/2017	JLW & JMB	166	18		Rope	SAMPLED			0																									
167	46.037386	-89.481452	672	Star Lake	Vilas	8/2/2017	JLW & JMB	167	27			DEEP																												
168	46.037382	-89.480612	671	Star Lake	Vilas	8/2/2017	JLW & JMB	168	27			DEEP																												
169	46.037378	-89.479772	0	Star Lake	Vilas			169	0			DEEP																												
170	46.037374	-89.478932	0	Star Lake	Vilas			170	0			DEEP																												
171	46.037370	-89.478093	670	Star Lake	Vilas	8/2/2017	JLW & JMB	171	32			DEEP																												
172	46.037366	-89.477253	669	Star Lake	Vilas	8/2/2017	JLW & JMB	172	23		Rope	SAMPLED			0																									
173	46.037363	-89.476413	668	Star Lake	Vilas	8/2/2017	JLW & JMB	173	21		Rope	SAMPLED			0																									
174	46.037359	-89.475573	667	Star Lake	Vilas	8/2/2017	JLW & JMB	174	6	Muck	Pole	SAMPLED			0																									
175	46.036883	-89.499937	909	Star Lake	Vilas	8/3/2017	JLW & JMB	175	3	Muck	Pole	SAMPLED			0																									
176	46.036879	-89.499097	906	Star Lake	Vilas	8/3/2017	JLW & JMB	176	5	Muck	Pole	SAMPLED			1																							1		
177	46.036875	-89.498257	901	Star Lake	Vilas	8/3/2017	JLW & JMB	177	7	Muck	Pole	SAMPLED			3										1													3		
178	46.036872	-89.497417	896	Star Lake	Vilas	8/3/2017	JLW & JMB	178	7	Muck	Pole	SAMPLED			3		1																1					2		
179	46.036868	-89.496577	888	Star Lake	Vilas	8/3/2017	JLW & JMB	179	7	Muck	Pole	SAMPLED			3					1		1			1				1									2		
180	46.036864	-89.495737	883	Star Lake	Vilas	8/3/2017	JLW & JMB	180	2	Sand	Pole	SAMPLED			0																									
181	46.036861	-89.494897	870	Star Lake	Vilas	8/3/2017	JLW & JMB	181	5	Sand	Pole	SAMPLED			1			1		1				1				1			1							1		
182	46.036857	-89.494057	871	Star Lake	Vilas	8/3/2017	JLW & JMB	182	9	Muck	Pole	SAMPLED			1																		1		1					
183	46.036853	-89.493217	857	Star Lake	Vilas	8/3/2017	JLW & JMB	183	10	Muck	Pole	SAMPLED			1																							1		
184	46.036850	-89.492377	858	Star Lake	Vilas	8/3/2017	JLW & JMB	184	3	Sand	Pole	SAMPLED			1																						1			
185	46.036846	-89.491537	859	Star Lake	Vilas	8/3/2017	JLW & JMB	185	4	Sand	Pole	SAMPLED			1																						1			
186	46.036842	-89.490698	838	Star Lake	Vilas	8/3/2017	JLW & JMB	186	6	Sand	Pole	SAMPLED			*																									
187	46.036838	-89.489858	827	Star Lake	Vilas	8/3/2017	JLW & JMB	187	22		Rope	SAMPLED			0																									
188	46.036835	-89.489018	826	Star Lake	Vilas	8/3/2017	JLW & JMB	188	22		Rope	SAMPLED			0																									
189	46.036831	-89.488178	825	Star Lake	Vilas	8/3/2017	JLW & JMB	189	17		Rope	SAMPLED			0																									
190	46.036827	-89.487338	824	Star Lake	Vilas	8/3/2017	JLW & JMB	190	5	Rock	Pole	SAMPLED			0																									
191	46.036823	-89.486498	823	Star Lake	Vilas	8/3/2017	JLW & JMB	191	19		Rope	SAMPLED			0																									
192	46.036819	-89.485658	822	Star Lake	Vilas	8/3/2017	JLW & JMB	192	24		Rope	SAMPLED			0																									
193	46.036816	-89.484818	678	Star Lake	Vilas	8/2/2017	JLW & JMB	193	24		Rope	SAMPLED			0																									
194	46.036812	-89.483978	821	Star Lake	Vilas	8/3/2017	JLW & JMB	194	24			DEEP																												
195	46.036808	-89.483138	0	Star Lake	Vilas			195	0			DEEP																												
196	46.036804	-89.482298	674	Star Lake	Vilas	8/2/2017	JLW & JMB	196	28			DEEP																												
197	46.036801	-89.481458	0	Star Lake	Vilas			197	0			DEEP																												
198	46.036797	-89.480618	0	Star Lake	Vilas			198	0			DEEP																												
199	46.036793	-89.479778	0	Star Lake	Vilas			199	0			DEEP																												
200	46.036789	-89.478938	662	Star Lake	Vilas	8/2/2017	JLW & JMB	200	39			DEEP																												
201	46.036785	-89.478098	663	Star Lake	Vilas	8/2/2017	JLW & JMB	201	36			DEEP																												
202	46.036781	-89.477258	664	Star Lake	Vilas	8/2/2017	JLW & JMB	202	16		Rope	SAMPLED			0																									
203	46.036778	-89.476418	665	Star Lake	Vilas	8/2/2017	JLW & JMB	203	4	Rock	Pole	SAMPLED			0																									
204	46.036774	-89.475578	666	Star Lake	Vilas	8/2/2017	JLW & JMB	204	2	Sand	Pole	SAMPLED			1									1																
205	46.036298	-89.499942	910	Star Lake	Vilas	8/3/2017	JLW & JMB	205	3	Muck	Pole	SAMPLED			2																							2		
206	46.036294	-89.499102	905	Star Lake	Vilas	8/3/2017	JLW & JMB	206	6	Muck	Pole	SAMPLED			0																									
207	46.036290	-89.498263	902	Star Lake	Vilas	8/3/2017	JLW & JMB	207	7	Muck	Pole	SAMPLED			3		1																					3		
208	46.036287	-89.497423	895	Star Lake	Vilas	8/3/2017	JLW & JMB	208	13	Muck	Pole	SAMPLED			0																									
209	46.036283	-89.496583	889	Star Lake	Vilas	8/3/2017	JLW & JMB	209	4	Sand	Pole	SAMPLED			0																									
210	46.036279	-89.495743	882	Star Lake	Vilas	8/3/2017	JLW & JMB	210	4	Muck	Pole	SAMPLED			1														1											
211	46.036276	-89.494903	878	Star Lake	Vilas	8/3/2017	JLW & JMB	211	8	Muck	Pole	SAMPLED			2		2																					1		
212	46.036272	-89.494063	872	Star Lake	Vilas	8/3/2017	JLW & JMB	212	12	Muck	Pole	SAMPLED			2										2													1		
213	46.0362683	-89.4932228	856	Star Lake	Vilas	8/3/2017	JLW & JMB	213	12	Muck	Pole	SAMPLED			1										1															
214	46.0362645	-89.4923828	849	Star Lake	Vilas	8/3/2017	JLW & JMB	214	8	Muck	Pole	SAMPLED			1									1							1									
215	46.0362608	-89.4915428	848	Star Lake	Vilas	8/3/2017	JLW & JMB	215	15		Rope	SAMPLED			0																									
216	46.0362571	-89.4907029	839	Star Lake	Vilas	8/3/2017	JLW & JMB	216	13	Muck	Pole	SAMPLED			1														1											
217	46.0362533	-89.4898629	828	Star Lake	Vilas	8/3/2017	JLW & JMB	217	24			DEEP																												
218	46.0362496	-89.489023	829	Star Lake	Vilas	8/3/2017	JLW & JMB	218	23		Rope	SAMPLED			0																									
219	46.0362458	-89.488183	830	Star Lake	Vilas	8/3/2017	JLW & JMB	219	26			DEEP																												

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole, Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
220	46.036242	-89.487343	831	Star Lake	Vilas	8/3/2017	JLW & JMB	220	27			DEEP																												
221	46.0362383	-89.4865031	832	Star Lake	Vilas	8/3/2017	JLW & JMB	221	28			DEEP																												
222	46.0362345	-89.4856631	833	Star Lake	Vilas	8/3/2017	JLW & JMB	222	28			DEEP																												
223	46.0362307	-89.4848232	834	Star Lake	Vilas	8/3/2017	JLW & JMB	223	26			DEEP																												
224	46.0362269	-89.4839832	835	Star Lake	Vilas	8/3/2017	JLW & JMB	224	0			DEEP																												
225	46.0362231	-89.4831433	0	Star Lake	Vilas			225	0			DEEP																												
226	46.0362193	-89.4823033	0	Star Lake	Vilas			226	0			DEEP																												
227	46.0362155	-89.4814633	0	Star Lake	Vilas			227	0			DEEP																												
228	46.0362117	-89.4806234	0	Star Lake	Vilas			228	0			DEEP																												
229	46.0362079	-89.4797834	0	Star Lake	Vilas			229	0			DEEP																												
230	46.0362041	-89.4789435	661	Star Lake	Vilas	8/2/2017	JLW & JMB	230	0			DEEP																												
231	46.0362002	-89.4781035	660	Star Lake	Vilas	8/2/2017	JLW & JMB	231	27			DEEP																												
232	46.0361964	-89.4772636	659	Star Lake	Vilas	8/2/2017	JLW & JMB	232	8	Rock	Pole	SAMPLED			1									1						1										
233	46.0361925	-89.4764236	658	Star Lake	Vilas	8/2/2017	JLW & JMB	233	3	Sand	Pole	SAMPLED			0																									
234	46.0357092	-89.4991078	904	Star Lake	Vilas	8/3/2017	JLW & JMB	234	5	Muck	Pole	SAMPLED			0																									
235	46.0357055	-89.4982678	903	Star Lake	Vilas	8/3/2017	JLW & JMB	235	13	Muck	Pole	SAMPLED			0																									
236	46.0357018	-89.4974279	894	Star Lake	Vilas	8/3/2017	JLW & JMB	236	13	Muck	Pole	SAMPLED			1														1											
237	46.0356981	-89.4965879	890	Star Lake	Vilas	8/3/2017	JLW & JMB	237	13	Muck	Pole	SAMPLED			1										1															
238	46.0356944	-89.495748	881	Star Lake	Vilas	8/3/2017	JLW & JMB	238	13	Muck	Pole	SAMPLED			1										1				1											
239	46.0356907	-89.494908	877	Star Lake	Vilas	8/3/2017	JLW & JMB	239	8	Rock	Pole	SAMPLED			2			2																						
240	46.035687	-89.494068	873	Star Lake	Vilas	8/3/2017	JLW & JMB	240	12	Muck	Pole	SAMPLED			1			1																						
241	46.0356833	-89.4932281	855	Star Lake	Vilas	8/3/2017	JLW & JMB	241	23		Rope	SAMPLED			0																									
242	46.0356795	-89.4923881	850	Star Lake	Vilas	8/3/2017	JLW & JMB	242	21		Rope	SAMPLED			0																									
243	46.0356758	-89.4915482	847	Star Lake	Vilas	8/3/2017	JLW & JMB	243	21		Rope	SAMPLED			3		1								3															
244	46.0356721	-89.4907082	840	Star Lake	Vilas	8/3/2017	JLW & JMB	244	21		Rope	SAMPLED			0																									
245	46.0356683	-89.4898683	837	Star Lake	Vilas	8/3/2017	JLW & JMB	245	24			DEEP																												
246	46.0356646	-89.4890284	836	Star Lake	Vilas	8/3/2017	JLW & JMB	246	25			DEEP																												
247	46.0356608	-89.4881884	0	Star Lake	Vilas			247	0			DEEP																												
248	46.035657	-89.4873485	0	Star Lake	Vilas			248	0			DEEP																												
249	46.0356533	-89.4865085	0	Star Lake	Vilas			249	0			DEEP																												
250	46.0356495	-89.4856686	0	Star Lake	Vilas			250	0			DEEP																												
251	46.0356457	-89.4848286	0	Star Lake	Vilas			251	0			DEEP																												
252	46.0356419	-89.4839887	649	Star Lake	Vilas	8/2/2017	JLW & JMB	252	31			DEEP																												
253	46.0356381	-89.4831487	650	Star Lake	Vilas	8/2/2017	JLW & JMB	253	31			DEEP																												
254	46.0356343	-89.4823088	651	Star Lake	Vilas	8/2/2017	JLW & JMB	254	28			DEEP																												
255	46.0356305	-89.4814688	652	Star Lake	Vilas	8/2/2017	JLW & JMB	255	28			DEEP																												
256	46.0356267	-89.4806289	653	Star Lake	Vilas	8/2/2017	JLW & JMB	256	29			DEEP																												
257	46.0356229	-89.4797889	654	Star Lake	Vilas	8/2/2017	JLW & JMB	257	31			DEEP																												
258	46.0356191	-89.478949	655	Star Lake	Vilas	8/2/2017	JLW & JMB	258	26			DEEP																												
259	46.0356152	-89.478109	656	Star Lake	Vilas	8/2/2017	JLW & JMB	259	8	Sand	Pole	SAMPLED			1																1									
260	46.0356114	-89.4772691	657	Star Lake	Vilas	8/2/2017	JLW & JMB	260	5	Muck	Pole	SAMPLED			0																									
261	46.0351205	-89.4982731	370	Star Lake	Vilas	8/1/2017	JLW & JMB	261	15	Muck	Pole	SAMPLED			3										3															
262	46.0351168	-89.4974332	369	Star Lake	Vilas	8/1/2017	JLW & JMB	262	14	Muck	Pole	SAMPLED			2										2															
263	46.0351131	-89.4965932	891	Star Lake	Vilas	8/3/2017	JLW & JMB	263	13	Muck	Pole	SAMPLED			2										2															
264	46.0351094	-89.4957533	880	Star Lake	Vilas	8/3/2017	JLW & JMB	264	12	Muck	Pole	SAMPLED			3					1		1			2				2											
265	46.0351057	-89.4949133	876	Star Lake	Vilas	8/3/2017	JLW & JMB	265	2	Sand	Pole	SAMPLED			0																									
266	46.035102	-89.4940734	874	Star Lake	Vilas	8/3/2017	JLW & JMB	266	20		Rope	SAMPLED			0																									
267	46.0350983	-89.4932334	854	Star Lake	Vilas	8/3/2017	JLW & JMB	267	20		Rope	SAMPLED			1										1															
268	46.0350945	-89.4923935	851	Star Lake	Vilas	8/3/2017	JLW & JMB	268	21		Rope	SAMPLED			0																									
269	46.0350908	-89.4915536	846	Star Lake	Vilas	8/3/2017	JLW & JMB	269	21		Rope	SAMPLED			0																									
270	46.0350871	-89.4907136	841	Star Lake	Vilas	8/3/2017	JLW & JMB	270	23		Rope	SAMPLED			0																									
271	46.0350833	-89.4898737	844	Star Lake	Vilas	8/3/2017	JLW & JMB	271	25			DEEP																												
272	46.0350796	-89.4890337	0	Star Lake	Vilas			272	0			DEEP																												
273	46.0350758	-89.4881938	0	Star Lake	Vilas			273	0			DEEP																												
274	46.035072	-89.4873539	0	Star Lake	Vilas			274	0			DEEP																												
275	46.0350683	-89.4865139	0	Star Lake	Vilas			275	0			DEEP																												
276	46.0350645	-89.485674	0	Star Lake	Vilas			276	0			DEEP																												
277	46.0350607	-89.484834	648	Star Lake	Vilas	8/2/2017	JLW & JMB	277	30			DEEP																												
278	46.0350569	-89.4839941	647	Star Lake	Vilas	8/2/2017	JLW & JMB	278	31			DEEP																												
279	46.0350531	-89.4831542	646	Star Lake	Vilas	8/2/2017	JLW & JMB	279	26			DEEP																												
280	46.0350493	-89.4823142	645	Star Lake	Vilas	8/2/2017	JLW & JMB	280	26			DEEP																												
281	46.0350455	-89.4814743	644	Star Lake	Vilas	8/2/2017	JLW & JMB	281	25		Rope	SAMPLED			0																									
282	46.0350417	-89.4806343	643	Star Lake	Vilas	8/2/2017	JLW & JMB	282	23		Rope	SAMPLED			0																									
283	46.0350379	-89.4797944	642	Star Lake	Vilas	8/2/2017	JLW & JMB	283	24		Rope	SAMPLED			0																									
284	46.0350341	-89.4789545	641	Star Lake	Vilas	8/2/2017	JLW & JMB	284	11	Muck	Pole	SAMPLED			0																									
285	46.0350302	-89.4781145	640	Star Lake	Vilas	8/2/2017	JLW & JMB	285	6	Muck	Pole	SAMPLED			1																1									
286	46.0350264	-89.4772746	639	Star Lake	Vilas	8/2/2017	JLW & JMB	286	4	Sand	Pole	SAMPLED			0																									
287	46.0345392	-89.4991183	246	Star Lake	Vilas	7/27/2017	TWH & CJF	287	8	Sand	Pole	SAMPLED			1														1											
288	46.0345355	-89.4982784	231	Star Lake	Vilas	7/27/2017	TWH & CJF	288	16		Rope	SAMPLED			3										3															
289	46.0345318	-89.4974385	368	Star Lake	Vilas	8/1/2017	JLW & JMB	289	16	Muck	Pole	SAMPLED			3		1								2															
290	46.0345281	-89.4965985	892	Star Lake	Vilas	8/3/2017	JLW & JMB	290	14	Muck	Pole	SAMPLED			2					1					1															
291	46.0345244	-89.4957586	879	Star Lake	Vilas	8/3/2017	JLW & JMB	291	9	Muck	Pole	SAMPLED			1					1									1											
292	46.034517	-89.4940787	875	Star Lake	Vilas	8/3/2017	JLW & JMB	292	6	Muck	Pole	SAMPLED			1																1									

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
293	46.0345133	-89.4932388	853	Star Lake	Vilas	8/3/2017	JLW & JMB	293	19		Rope	SAMPLED			0																									
294	46.0345095	-89.4923989	852	Star Lake	Vilas	8/3/2017	JLW & JMB	294	21		Rope	SAMPLED			1										1															
295	46.0345058	-89.4915589	845	Star Lake	Vilas	8/3/2017	JLW & JMB	295	22		Rope	SAMPLED			0																									
296	46.0345021	-89.490719	842	Star Lake	Vilas	8/3/2017	JLW & JMB	296	24			DEEP																												
297	46.0344983	-89.4898791	843	Star Lake	Vilas	8/3/2017	JLW & JMB	297	26			DEEP																												
298	46.0344946	-89.4890391	0	Star Lake	Vilas			298	0			DEEP																												
299	46.0344908	-89.4881992	0	Star Lake	Vilas			299	0			DEEP																												
300	46.0344871	-89.4873593	0	Star Lake	Vilas			300	0			DEEP																												
301	46.0344833	-89.4865193	0	Star Lake	Vilas			301	0			DEEP																												
302	46.0344795	-89.4856794	626	Star Lake	Vilas	8/2/2017	JLW & JMB	302	28			DEEP																												
303	46.0344757	-89.4848395	627	Star Lake	Vilas	8/2/2017	JLW & JMB	303	28			DEEP																												
304	46.0344719	-89.4839995	628	Star Lake	Vilas	8/2/2017	JLW & JMB	304	23		Rope	SAMPLED			0																									
305	46.0344681	-89.4831596	629	Star Lake	Vilas	8/2/2017	JLW & JMB	305	4	Sand	Pole	SAMPLED			0																									
306	46.0344643	-89.4823197	630	Star Lake	Vilas	8/2/2017	JLW & JMB	306	2	Sand	Pole	SAMPLED			0																									
307	46.0344605	-89.4814798	631	Star Lake	Vilas	8/2/2017	JLW & JMB	307	15	Muck	Pole	SAMPLED			0																									
308	46.0344567	-89.4806398	632	Star Lake	Vilas	8/2/2017	JLW & JMB	308	22		Rope	SAMPLED			0																									
309	46.0344529	-89.4797999	633	Star Lake	Vilas	8/2/2017	JLW & JMB	309	22		Rope	SAMPLED			0																									
310	46.0344491	-89.47896	634	Star Lake	Vilas	8/2/2017	JLW & JMB	310	17		Rope	SAMPLED			0																									
311	46.0344452	-89.47812	635	Star Lake	Vilas	8/2/2017	JLW & JMB	311	9	Muck	Pole	SAMPLED			1							1										1		1						
312	46.0344066	-89.4697208	442	Star Lake	Vilas	8/2/2017	JLW & JMB	312	2	Muck	Pole	SAMPLED			2		1	1		1					1		1				1							1		
313	46.0344027	-89.4688808	441	Star Lake	Vilas	8/2/2017	JLW & JMB	313	5	Muck	Pole	SAMPLED			1					1																		1		
314	46.0343988	-89.4680409	440	Star Lake	Vilas	8/2/2017	JLW & JMB	314	6	Muck	Pole	SAMPLED			2					1		1									2									
315	46.0343949	-89.467201	439	Star Lake	Vilas	8/2/2017	JLW & JMB	315	4	Rock	Pole	SAMPLED			0																									
316	46.0343909	-89.466361	433	Star Lake	Vilas	8/2/2017	JLW & JMB	316	4	Rock	Pole	SAMPLED			0																									
317	46.034387	-89.4655211	432	Star Lake	Vilas	8/2/2017	JLW & JMB	317	12	Muck	Pole	SAMPLED			0																									
318	46.0343831	-89.4646812	422	Star Lake	Vilas	8/2/2017	JLW & JMB	318	6	Rock	Pole	SAMPLED			0																									
319	46.0339579	-89.4999635	349	Star Lake	Vilas	8/1/2017	JLW & JMB	319	8	Sand	Pole	SAMPLED			1							1																		
320	46.0339542	-89.4991236	245	Star Lake	Vilas	7/27/2017	TWH & CJF	320	16		Rope	SAMPLED			1														1											
321	46.0339505	-89.4982837	232	Star Lake	Vilas	7/27/2017	TWH & CJF	321	17		Rope	SAMPLED			3										3															
322	46.0339468	-89.4974438	367	Star Lake	Vilas	8/1/2017	JLW & JMB	322	21		Rope	SAMPLED			0																									
323	46.0339431	-89.4966038	893	Star Lake	Vilas	8/3/2017	JLW & JMB	323	3	Sand	Pole	SAMPLED			0																									
324	46.0339283	-89.4932441	934	Star Lake	Vilas	8/3/2017	JLW & JMB	324	6	Sand	Pole	SAMPLED			1					1											1									
325	46.0339246	-89.4924042	933	Star Lake	Vilas	8/3/2017	JLW & JMB	325	22		Rope	SAMPLED			0																									
326	46.0339208	-89.4915643	935	Star Lake	Vilas	8/3/2017	JLW & JMB	326	25			DEEP																												
327	46.0339171	-89.4907244	0	Star Lake	Vilas			327	0			DEEP																												
328	46.0339133	-89.4898844	0	Star Lake	Vilas			328	0			DEEP																												
329	46.0339096	-89.4890445	0	Star Lake	Vilas			329	0			DEEP																												
330	46.0339058	-89.4882046	0	Star Lake	Vilas			330	0			DEEP																												
331	46.0339021	-89.4873647	0	Star Lake	Vilas			331	0			DEEP																												
332	46.0338983	-89.4865248	625	Star Lake	Vilas	8/2/2017	JLW & JMB	332	28			DEEP																												
333	46.0338945	-89.4856848	624	Star Lake	Vilas	8/2/2017	JLW & JMB	333	23		Rope	SAMPLED			0																									
334	46.0338907	-89.4848449	623	Star Lake	Vilas	8/2/2017	JLW & JMB	334	13	Muck	Pole	SAMPLED			0																									
335	46.0338869	-89.484005	622	Star Lake	Vilas	8/2/2017	JLW & JMB	335	4	Sand	Pole	SAMPLED			0																									
336	46.0338717	-89.4806453	638	Star Lake	Vilas	8/2/2017	JLW & JMB	336	2	Sand	Pole	SAMPLED			0																									
337	46.0338679	-89.4798054	637	Star Lake	Vilas	8/2/2017	JLW & JMB	337	21		Rope	SAMPLED			0																									
338	46.0338641	-89.4789655	636	Star Lake	Vilas	8/2/2017	JLW & JMB	338	16		Rope	SAMPLED			0																									
339	46.0338216	-89.4697264	444	Star Lake	Vilas	8/2/2017	JLW & JMB	339	2	Muck	Pole	SAMPLED			1					1					1		1											1		
340	46.0338177	-89.4688864	443	Star Lake	Vilas	8/2/2017	JLW & JMB	340	5	Muck	Pole	SAMPLED			1			1														1						1		
341	46.0338138	-89.4680465	446	Star Lake	Vilas	8/2/2017	JLW & JMB	341	5	Muck	Pole	SAMPLED			2					1											2									
342	46.0338099	-89.4672066	438	Star Lake	Vilas	8/2/2017	JLW & JMB	342	9	Muck	Pole	SAMPLED			3		3																					1		
343	46.0338059	-89.4663667	434	Star Lake	Vilas	8/2/2017	JLW & JMB	343	20		Rope	SAMPLED			0																									
344	46.033802	-89.4655268	431	Star Lake	Vilas	8/2/2017	JLW & JMB	344	27		Rope	SAMPLED			0																									
345	46.0337981	-89.4646868	421	Star Lake	Vilas	8/2/2017	JLW & JMB	345	24		Rope	SAMPLED			0																									
346	46.0337942	-89.4638469	423	Star Lake	Vilas	8/2/2017	JLW & JMB	346	6	Sand	Pole	SAMPLED			0																									
347	46.0333765	-89.5008087	348	Star Lake	Vilas	8/1/2017	JLW & JMB	347	14	Muck	Pole	SAMPLED			0																									
348	46.0333729	-89.4999688	350	Star Lake	Vilas	8/1/2017	JLW & JMB	348	16		Rope	SAMPLED			3										3															
349	46.0333692	-89.4991289	244	Star Lake	Vilas	7/27/2017	TWH & CJF	349	16	Sand	Pole	SAMPLED			2										2															
350	46.0333655	-89.498289	233	Star Lake	Vilas	7/27/2017	TWH & CJF	350	19		Rope	SAMPLED			0																									
351	46.0333618	-89.4974491	366	Star Lake	Vilas	8/1/2017	JLW & JMB	351	7	Rock	Pole	SAMPLED			1			1																						
352	46.0333396	-89.4924096	932	Star Lake	Vilas	8/3/2017	JLW & JMB	352	18		Rope	SAMPLED			0																									
353	46.0333358	-89.4915697	936	Star Lake	Vilas	8/3/2017	JLW & JMB	353	28			DEEP																												
354	46.0333321	-89.4907297	0	Star Lake	Vilas			354	0			DEEP																												
355	46.0333283	-89.4898898	0	Star Lake	Vilas			355	0			DEEP																												
356	46.0333246	-89.4890499	0	Star Lake	Vilas			356	0			DEEP																												
357	46.0333208	-89.48821	0	Star Lake	Vilas			357	0			DEEP																												
358	46.0333171	-89.4873701	618	Star Lake	Vilas	8/2/2017	JLW & JMB	358	28			DEEP																												
359	46.0333133	-89.4865302	619	Star Lake	Vilas	8/2/2017	JLW & JMB	359	26			DEEP																												
360	46.0333095	-89.4856903	620	Star Lake	Vilas	8/2/2017	JLW & JMB	360	11	Muck	Pole	SAMPLED			0																									
361	46.0333057	-89.4848504	621	Star Lake	Vilas	8/2/2017	JLW & JMB	361	4	Sand	Pole	SAMPLED			0																									
362	46.0332366	-89.4697319	445	Star Lake	Vilas	8/2/2017	JLW & JMB	362	5	Muck	Pole	SAMPLED			1		1			1							1				1									
363	46.0332288	-89.4680521	447	Star Lake	Vilas	8/2/2017	JLW & JMB	363	15	Muck	Pole	SAMPLED			0																									
364	46.0332249	-89.4672122	437	Star Lake	Vilas	8/2/2017	JLW & JMB	364	21		Rope	SAMPLED			0																									
365	46.033221	-89.4663723	435	Star Lake	Vilas	8/2/2017	JLW & JMB	365	27			DEEP																												

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole, Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
366	46.033217	-89.4655324	430	Star Lake	Vilas	8/2/2017	JLW & JMB	366	30			DEEP																													
367	46.0332131	-89.4646925	420	Star Lake	Vilas	8/2/2017	JLW & JMB	367	28			DEEP																													
368	46.0332092	-89.4638526	424	Star Lake	Vilas	8/2/2017	JLW & JMB	368	22		Pole	SAMPLED			0																										
369	46.0332052	-89.4630127	425	Star Lake	Vilas	8/2/2017	JLW & JMB	369	1	Sand	Pole	SAMPLED			0																										
370	46.0327952	-89.5016539	345	Star Lake	Vilas	8/1/2017	JLW & JMB	370	6	Sand	Pole	SAMPLED			0																										
371	46.0327916	-89.500814	347	Star Lake	Vilas	8/1/2017	JLW & JMB	371	16		Rope	SAMPLED			0																										
372	46.0327879	-89.4999741	351	Star Lake	Vilas	8/1/2017	JLW & JMB	372	16		Rope	SAMPLED			0																										
373	46.0327842	-89.4991342	243	Star Lake	Vilas	7/27/2017	TWH & CJF	373	21		Rope	SAMPLED			0																										
374	46.0327805	-89.4982943	234	Star Lake	Vilas	7/27/2017	TWH & CJF	374	22		Rope	SAMPLED			0																										
375	46.0327768	-89.4974544	365	Star Lake	Vilas	8/1/2017	JLW & JMB	375	8	Muck	Pole	SAMPLED			2			1						1	1				1												
376	46.0327731	-89.4966145	911	Star Lake	Vilas	8/3/2017	JLW & JMB	376	5	Sand	Pole	SAMPLED			0																										
377	46.032762	-89.4940947	927	Star Lake	Vilas	8/3/2017	JLW & JMB	377	4	Sand	Pole	SAMPLED			1																1										
378	46.0327583	-89.4932548	928	Star Lake	Vilas	8/3/2017	JLW & JMB	378	13	Muck	Pole	SAMPLED			0																										
379	46.0327546	-89.4924149	931	Star Lake	Vilas	8/3/2017	JLW & JMB	379	27			DEEP																													
380	46.0327508	-89.491575	0	Star Lake	Vilas			380	0			DEEP																													
381	46.0327471	-89.4907351	0	Star Lake	Vilas			381	0			DEEP																													
382	46.0327433	-89.4898952	0	Star Lake	Vilas			382	0			DEEP																													
383	46.0327396	-89.4890553	0	Star Lake	Vilas			383	0			DEEP																													
384	46.0327358	-89.4882154	0	Star Lake	Vilas			384	0			DEEP																													
385	46.0327321	-89.4873755	617	Star Lake	Vilas	8/2/2017	JLW & JMB	385	27			DEEP																													
386	46.0327283	-89.4865356	616	Star Lake	Vilas	8/2/2017	JLW & JMB	386	24		Rope	SAMPLED			0																										
387	46.0327245	-89.4856957	615	Star Lake	Vilas	8/2/2017	JLW & JMB	387	6	Rock	Pole	SAMPLED			0																										
388	46.0326671	-89.4730971	465	Star Lake	Vilas	8/2/2017	JLW & JMB	388	2	Sand	Pole	SAMPLED			0																										
389	46.0326633	-89.4722572	464	Star Lake	Vilas	8/2/2017	JLW & JMB	389	3	Sand	Pole	SAMPLED			0																										
390	46.0326594	-89.4714173	457	Star Lake	Vilas	8/2/2017	JLW & JMB	390	2	Sand	Pole	SAMPLED			0																										
391	46.0326555	-89.4705774	456	Star Lake	Vilas	8/2/2017	JLW & JMB	391	2	Sand	Pole	SAMPLED			1						1		1																		
392	46.0326516	-89.4697375	452	Star Lake	Vilas	8/2/2017	JLW & JMB	392	3	Sand	Pole	SAMPLED			1								1																		
393	46.0326477	-89.4688976	451	Star Lake	Vilas	8/2/2017	JLW & JMB	393	16		Rope	SAMPLED			0																										
394	46.0326438	-89.4680577	448	Star Lake	Vilas	8/2/2017	JLW & JMB	394	20		Rope	SAMPLED			0																										
395	46.0326399	-89.4672178	436	Star Lake	Vilas	8/2/2017	JLW & JMB	395	33			DEEP																													
396	46.032636	-89.4663779	0	Star Lake	Vilas			396	0			DEEP																													
397	46.032632	-89.465538	429	Star Lake	Vilas	8/2/2017	JLW & JMB	397	34			DEEP																													
398	46.0326281	-89.4646981	419	Star Lake	Vilas	8/2/2017	JLW & JMB	398	34			DEEP																													
399	46.0326242	-89.4638582	418	Star Lake	Vilas	8/2/2017	JLW & JMB	399	25		Rope	SAMPLED			0																										
400	46.0326202	-89.4630183	426	Star Lake	Vilas	8/2/2017	JLW & JMB	400	14	Muck	Pole	SAMPLED			0																										
401	46.0322139	-89.5024991	344	Star Lake	Vilas	8/1/2017	JLW & JMB	401	5	Muck	Pole	SAMPLED			0																										
402	46.0322102	-89.5016592	343	Star Lake	Vilas	8/1/2017	JLW & JMB	402	9	Muck	Pole	SAMPLED			0																										
403	46.0322066	-89.5008193	346	Star Lake	Vilas	8/1/2017	JLW & JMB	403	21		Rope	SAMPLED			0																										
404	46.0322029	-89.4999794	352	Star Lake	Vilas	8/1/2017	JLW & JMB	404	23		Rope	SAMPLED			1										1																
405	46.0321992	-89.4991395	242	Star Lake	Vilas	7/27/2017	TWH & CJF	405	20		Rope	SAMPLED			3										3																
406	46.0321955	-89.4982996	235	Star Lake	Vilas	7/27/2017	TWH & CJF	406	22		Rope	SAMPLED			0																										
407	46.0321918	-89.4974597	364	Star Lake	Vilas	8/1/2017	JLW & JMB	407	17		Rope	SAMPLED			0																										
408	46.0321881	-89.4966198	912	Star Lake	Vilas	8/3/2017	JLW & JMB	408	13	Muck	Pole	SAMPLED			2		1			1					1																
409	46.0321844	-89.4957799	920	Star Lake	Vilas	8/3/2017	JLW & JMB	409	9	Muck	Pole	SAMPLED			1																				1					
410	46.0321807	-89.49494	921	Star Lake	Vilas	8/3/2017	JLW & JMB	410	11	Muck	Pole	SAMPLED			1							1																		
411	46.032177	-89.4941001	926	Star Lake	Vilas	8/3/2017	JLW & JMB	411	22		Rope	SAMPLED			0																										
412	46.0321733	-89.4932602	929	Star Lake	Vilas	8/3/2017	JLW & JMB	412	25			DEEP																													
413	46.0321696	-89.4924203	930	Star Lake	Vilas	8/3/2017	JLW & JMB	413	27			DEEP																													
414	46.0321658	-89.4915804	606	Star Lake	Vilas	8/2/2017	JLW & JMB	414	24			DEEP																													
415	46.0321621	-89.4907405	608	Star Lake	Vilas	8/2/2017	JLW & JMB	415	32			DEEP																													
416	46.0321583	-89.4899006	609	Star Lake	Vilas	8/2/2017	JLW & JMB	416	29			DEEP																													
417	46.0321546	-89.4890607	610	Star Lake	Vilas	8/2/2017	JLW & JMB	417	27			DEEP																													
418	46.0321508	-89.4882208	611	Star Lake	Vilas	8/2/2017	JLW & JMB	418	26			DEEP																													
419	46.0321471	-89.4873809	612	Star Lake	Vilas	8/2/2017	JLW & JMB	419	19		Rope	SAMPLED			0																										
420	46.0321433	-89.486541	613	Star Lake	Vilas	8/2/2017	JLW & JMB	420	16		Rope	SAMPLED			0																										
421	46.0321395	-89.4857011	614	Star Lake	Vilas	8/2/2017	JLW & JMB	421	5	Sand	Pole	SAMPLED			0																										
422	46.032086	-89.4739426	473	Star Lake	Vilas	8/2/2017	JLW & JMB	422	6	Sand	Pole	SAMPLED			0																										
423	46.0320821	-89.4731027	466	Star Lake	Vilas	8/2/2017	JLW & JMB	423	21		Rope	SAMPLED			0																										
424	46.0320783	-89.4722628	463	Star Lake	Vilas	8/2/2017	JLW & JMB	424	23		Rope	SAMPLED			0																										
425	46.0320744	-89.4714229	458	Star Lake	Vilas	8/2/2017	JLW & JMB	425	11	Sand	Pole	SAMPLED			0																										
426	46.0320705	-89.470583	455	Star Lake	Vilas	8/2/2017	JLW & JMB	426	25		Rope	SAMPLED			0																										
427	46.0320666	-89.4697431	453	Star Lake	Vilas	8/2/2017	JLW & JMB	427	36			DEEP																													
428	46.0320627	-89.4689032	450	Star Lake	Vilas	8/2/2017	JLW & JMB	428	36			DEEP																													
429	46.0320588	-89.4680634	449	Star Lake	Vilas	8/2/2017	JLW & JMB	429	35			DEEP																													
430	46.0320549	-89.4672235	0	Star Lake	Vilas			430	0			DEEP																													
431	46.032051	-89.4663836	0	Star Lake	Vilas			431	0			DEEP																													
432	46.032047	-89.4655437	411	Star Lake	Vilas	8/2/2017	JLW & JMB	432	35			DEEP																													
433	46.0320431	-89.4647038	412	Star Lake	Vilas	8/2/2017	JLW & JMB	433	31			DEEP																													
434	46.0320392	-89.4638639	417	Star Lake	Vilas	8/2/2017	JLW & JMB	434	26		Rope	SAMPLED			0																										
435	46.0320352	-89.463024	427	Star Lake	Vilas	8/2/2017	JLW & JMB	435	23		Pole	SAMPLED			0																										
436	46.0316325	-89.5033442	330	Star Lake	Vilas	8/1/2017	JLW & JMB	436	5	Muck	Pole	SAMPLED			1		1																								
437	46.0316289	-89.5025043	331	Star Lake	Vilas	8/1/2017	JLW & JMB	437	12	Muck	Pole	SAMPLED			1		1			1																					
438	46.0316252	-89.5016644	332	Star Lake	Vilas	8/1/2017	JLW & JMB	438	21		Rope	SAMPLED			0																										

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole, Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
439	46.0316216	-89.5008245	342	Star Lake	Vilas	8/1/2017	JLW & JMB	439	21		Rope	SAMPLED			1										1																
440	46.0316179	-89.4999846	353	Star Lake	Vilas	8/1/2017	JLW & JMB	440	23		Rope	SAMPLED			1										1																
441	46.0316142	-89.4991447	241	Star Lake	Vilas	7/27/2017	TWH & CJF	441	19		Rope	SAMPLED			3										3																
442	46.0316105	-89.4983049	236	Star Lake	Vilas	7/27/2017	TWH & CJF	442	21		Rope	SAMPLED			3										3																
443	46.0316068	-89.497465	363	Star Lake	Vilas	8/1/2017	JLW & JMB	443	23		Rope	SAMPLED			0																										
444	46.0316031	-89.4966251	913	Star Lake	Vilas	8/3/2017	JLW & JMB	444	24		Rope	SAMPLED			0																										
445	46.0315994	-89.4957852	919	Star Lake	Vilas	8/3/2017	JLW & JMB	445	25			DEEP																													
446	46.0315957	-89.4949453	922	Star Lake	Vilas	8/3/2017	JLW & JMB	446	24		Rope	SAMPLED			0																										
447	46.031592	-89.4941054	925	Star Lake	Vilas	8/3/2017	JLW & JMB	447	23		Rope	SAMPLED			0																										
448	46.0315883	-89.4932655	937	Star Lake	Vilas	8/3/2017	JLW & JMB	448	24			DEEP																													
449	46.0315846	-89.4924256	0	Star Lake	Vilas			449	0			DEEP																													
450	46.0315808	-89.4915858	607	Star Lake	Vilas	8/2/2017	JLW & JMB	450	0			DEEP																													
451	46.0315771	-89.4907459	605	Star Lake	Vilas	8/2/2017	JLW & JMB	451	27			DEEP																													
452	46.0315733	-89.489906	604	Star Lake	Vilas	8/2/2017	JLW & JMB	452	26			DEEP																													
453	46.0315696	-89.4890661	603	Star Lake	Vilas	8/2/2017	JLW & JMB	453	26		Rope	SAMPLED			0																										
454	46.0315658	-89.4882262	602	Star Lake	Vilas	8/2/2017	JLW & JMB	454	13	Sand	Pole	SAMPLED			0																										
455	46.0315621	-89.4873863	601	Star Lake	Vilas	8/2/2017	JLW & JMB	455	12	Sand	Pole	SAMPLED			0																										
456	46.0315583	-89.4865464	600	Star Lake	Vilas	8/2/2017	JLW & JMB	456	5	Rock	Pole	SAMPLED			0																										
457	46.0315049	-89.474788	474	Star Lake	Vilas	8/2/2017	JLW & JMB	457	19		Rope	SAMPLED			0																										
458	46.031501	-89.4739481	472	Star Lake	Vilas	8/2/2017	JLW & JMB	458	16		Rope	SAMPLED			0																										
459	46.0314971	-89.4731083	467	Star Lake	Vilas	8/2/2017	JLW & JMB	459	20		Rope	SAMPLED			0																										
460	46.0314933	-89.4722684	462	Star Lake	Vilas	8/2/2017	JLW & JMB	460	21		Pole	SAMPLED			0																										
461	46.0314894	-89.4714285	459	Star Lake	Vilas	8/2/2017	JLW & JMB	461	19		Rope	SAMPLED			0																										
462	46.0314855	-89.4705886	454	Star Lake	Vilas	8/2/2017	JLW & JMB	462	39			DEEP																													
463	46.0314816	-89.4697487	0	Star Lake	Vilas			463	0			DEEP																													
464	46.0314777	-89.4689088	0	Star Lake	Vilas			464	0			DEEP																													
465	46.0314738	-89.468069	0	Star Lake	Vilas			465	0			DEEP																													
466	46.0314699	-89.4672291	0	Star Lake	Vilas			466	0			DEEP																													
467	46.031466	-89.4663892	0	Star Lake	Vilas			467	0			DEEP																													
468	46.031462	-89.4655493	410	Star Lake	Vilas	8/2/2017	JLW & JMB	468	35			DEEP																													
469	46.0314581	-89.4647094	413	Star Lake	Vilas	8/2/2017	JLW & JMB	469	7	Rock	Pole	SAMPLED			0																										
470	46.0314542	-89.4638696	416	Star Lake	Vilas	8/2/2017	JLW & JMB	470	4	Rock	Pole	SAMPLED			0																										
471	46.0314502	-89.4630297	428	Star Lake	Vilas	8/2/2017	JLW & JMB	471	10	Muck	Pole	SAMPLED			0																										
472	46.0310512	-89.5041893	328	Star Lake	Vilas	8/1/2017	JLW & JMB	472	6	Sand	Pole	SAMPLED			0																										
473	46.0310475	-89.5033494	329	Star Lake	Vilas	8/1/2017	JLW & JMB	473	16		Rope	SAMPLED			0																										
474	46.0310439	-89.5025096	334	Star Lake	Vilas	8/1/2017	JLW & JMB	474	21		Rope	SAMPLED			0																										
475	46.0310402	-89.5016697	333	Star Lake	Vilas	8/1/2017	JLW & JMB	475	21		Rope	SAMPLED			1										1																
476	46.0310366	-89.5008298	341	Star Lake	Vilas	8/1/2017	JLW & JMB	476	23		Pole	SAMPLED			0																										
477	46.0310329	-89.4999899	354	Star Lake	Vilas	8/1/2017	JLW & JMB	477	23		Rope	SAMPLED			0																										
478	46.0310292	-89.49915	240	Star Lake	Vilas	7/27/2017	TWH & CJF	478	23		Rope	SAMPLED			0																										
479	46.0310255	-89.4983102	237	Star Lake	Vilas	7/27/2017	TWH & CJF	479	23		Rope	SAMPLED			0																										
480	46.0310218	-89.4974703	362	Star Lake	Vilas	8/1/2017	JLW & JMB	480	27		Rope	SAMPLED			0																										
481	46.0310181	-89.4966304	914	Star Lake	Vilas	8/3/2017	JLW & JMB	481	25			DEEP																													
482	46.0310144	-89.4957905	918	Star Lake	Vilas	8/3/2017	JLW & JMB	482	26			DEEP																													
483	46.0310107	-89.4949506	923	Star Lake	Vilas	8/3/2017	JLW & JMB	483	0			DEEP																													
484	46.031007	-89.4941108	924	Star Lake	Vilas	8/3/2017	JLW & JMB	484	0			DEEP																													
485	46.0310033	-89.4932709	0	Star Lake	Vilas			485	0			DEEP																													
486	46.0309996	-89.492431	0	Star Lake	Vilas			486	0			DEEP																													
487	46.0309958	-89.4915911	596	Star Lake	Vilas	8/2/2017	JLW & JMB	487	26			DEEP																													
488	46.0309921	-89.4907512	597	Star Lake	Vilas	8/2/2017	JLW & JMB	488	8	Sand	Pole	SAMPLED			0																										
489	46.0309884	-89.4899114	598	Star Lake	Vilas	8/2/2017	JLW & JMB	489	16		Rope	SAMPLED			0																										
490	46.0309808	-89.4882316	599	Star Lake	Vilas	8/2/2017	JLW & JMB	490	0			TERRESTRIAL																													
491	46.0309276	-89.4764733	481	Star Lake	Vilas	8/2/2017	JLW & JMB	491	3	Sand	Pole	SAMPLED			1						1																				
492	46.0309237	-89.4756334	480	Star Lake	Vilas	8/2/2017	JLW & JMB	492	10	Muck	Pole	SAMPLED			0																										
493	46.0309199	-89.4747936	475	Star Lake	Vilas	8/2/2017	JLW & JMB	493	23		Rope	SAMPLED			0																										
494	46.030916	-89.4739537	471	Star Lake	Vilas	8/2/2017	JLW & JMB	494	17		Rope	SAMPLED			0																										
495	46.0309122	-89.4731138	468	Star Lake	Vilas	8/2/2017	JLW & JMB	495	26		Rope	SAMPLED			0																										
496	46.0309083	-89.4722739	461	Star Lake	Vilas	8/2/2017	JLW & JMB	496	36			DEEP																													
497	46.0309044	-89.4714341	460	Star Lake	Vilas	8/2/2017	JLW & JMB	497	37			DEEP																													
498	46.0309005	-89.4705942	0	Star Lake	Vilas			498	0			DEEP																													
499	46.0308966	-89.4697543	0	Star Lake	Vilas			499	0			DEEP																													
500	46.0308927	-89.4689144	0	Star Lake	Vilas			500	0			DEEP																													
501	46.0308888	-89.4680746	0	Star Lake	Vilas			501	0			DEEP																													
502	46.0308849	-89.4672347	0	Star Lake	Vilas			502	0			DEEP																													
503	46.030881	-89.4663948	408	Star Lake	Vilas	8/2/2017	JLW & JMB	503	27			DEEP																													
504	46.0308771	-89.465555	409	Star Lake	Vilas	8/2/2017	JLW & JMB	504	9	Sand	Pole	SAMPLED			0																										
505	46.0308731	-89.4647151	414	Star Lake	Vilas	8/2/2017	JLW & JMB	505	5	Muck	Pole	SAMPLED			0																										
506	46.0308692	-89.4638752	415	Star Lake	Vilas	8/2/2017	JLW & JMB	506	2	Sand	Pole	SAMPLED			0																										
507	46.0304698	-89.5050344	327	Star Lake	Vilas	8/1/2017	JLW & JMB	507	5	Muck	Pole	SAMPLED			0																										
508	46.0304662	-89.5041945	326	Star Lake	Vilas	8/1/2017	JLW & JMB	508	15		Rope	SAMPLED			0																										
509	46.0304625	-89.5033547	325	Star Lake	Vilas	8/1/2017	JLW & JMB	509	20		Rope	SAMPLED			0																										
510	46.0304589	-89.5025148	335	Star Lake	Vilas	8/1/2017	JLW & JMB	510	21		Rope	SAMPLED			1										1																
511	46.0304552	-89.5016749	338	Star Lake	Vilas	8/1/2017	JLW & JMB	511	22		Rope	SAMPLED			0																										

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole, Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosterformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
512	46.0304516	-89.5008351	340	Star Lake	Vilas	8/1/2017	JLW & JMB	512	24		Rope	SAMPLED			1										1																
513	46.0304479	-89.4999952	355	Star Lake	Vilas	8/1/2017	JLW & JMB	513	26		Rope	SAMPLED			0																										
514	46.0304442	-89.4991553	239	Star Lake	Vilas	7/27/2017	TWH & CJF	514	27		Rope	SAMPLED			0																										
515	46.0304405	-89.4983154	238	Star Lake	Vilas	7/27/2017	TWH & CJF	515	26		Rope	SAMPLED			0																										
516	46.0304368	-89.4974756	361	Star Lake	Vilas	8/1/2017	JLW & JMB	516	28		Pole	SAMPLED			0																										
517	46.0304331	-89.4966357	915	Star Lake	Vilas	8/3/2017	JLW & JMB	517	27			DEEP																													
518	46.0304294	-89.4957958	917	Star Lake	Vilas	8/3/2017	JLW & JMB	518	28			DEEP																													
519	46.0304257	-89.494956	0	Star Lake	Vilas			519	0			DEEP																													
520	46.030422	-89.4941161	0	Star Lake	Vilas			520	0			DEEP																													
521	46.0304183	-89.4932762	0	Star Lake	Vilas			521	0			DEEP																													
522	46.0304146	-89.4924363	0	Star Lake	Vilas			522	0			DEEP																													
523	46.0304108	-89.4915965	595	Star Lake	Vilas	8/2/2017	JLW & JMB	523	26			DEEP																													
524	46.0304071	-89.4907566	594	Star Lake	Vilas	8/2/2017	JLW & JMB	524	16		Rope	SAMPLED			0																										
525	46.0304034	-89.4899167	593	Star Lake	Vilas	8/2/2017	JLW & JMB	525	4	Sand	Pole	SAMPLED			0																										
526	46.0303464	-89.4773187	485	Star Lake	Vilas	8/2/2017	JLW & JMB	526	6	Sand	Pole	SAMPLED			0																										
527	46.0303426	-89.4764788	482	Star Lake	Vilas	8/2/2017	JLW & JMB	527	17		Rope	SAMPLED			0																										
528	46.0303387	-89.475639	479	Star Lake	Vilas	8/2/2017	JLW & JMB	528	32			DEEP																													
529	46.0303349	-89.4747991	476	Star Lake	Vilas	8/2/2017	JLW & JMB	529	16		Rope	SAMPLED			0																										
530	46.030331	-89.4739592	470	Star Lake	Vilas	8/2/2017	JLW & JMB	530	42			DEEP																													
531	46.0303272	-89.4731194	469	Star Lake	Vilas	8/2/2017	JLW & JMB	531	51			DEEP																													
532	46.0303233	-89.4722795	0	Star Lake	Vilas			532	0			DEEP																													
533	46.0303194	-89.4714396	0	Star Lake	Vilas			533	0			DEEP																													
534	46.0303155	-89.4705998	0	Star Lake	Vilas			534	0			DEEP																													
535	46.0303116	-89.4697599	0	Star Lake	Vilas			535	0			DEEP																													
536	46.0303077	-89.4689201	403	Star Lake	Vilas	8/2/2017	JLW & JMB	536	46			DEEP																													
537	46.0303038	-89.4680802	404	Star Lake	Vilas	8/2/2017	JLW & JMB	537	43			DEEP																													
538	46.0302999	-89.4672403	405	Star Lake	Vilas	8/2/2017	JLW & JMB	538	39			DEEP																													
539	46.030296	-89.4664005	406	Star Lake	Vilas	8/2/2017	JLW & JMB	539	20		Pole	SAMPLED			0																										
540	46.0302921	-89.4655606	407	Star Lake	Vilas	8/2/2017	JLW & JMB	540	4	Sand	Pole	SAMPLED			0																										
541	46.0298848	-89.5050396	322	Star Lake	Vilas	8/1/2017	JLW & JMB	541	8	Muck	Pole	SAMPLED			0																										
542	46.0298812	-89.5041998	323	Star Lake	Vilas	8/1/2017	JLW & JMB	542	19		Rope	SAMPLED			0																										
543	46.0298775	-89.5033599	324	Star Lake	Vilas	8/1/2017	JLW & JMB	543	20		Rope	SAMPLED			0																										
544	46.0298739	-89.5025201	336	Star Lake	Vilas	8/1/2017	JLW & JMB	544	21		Rope	SAMPLED			0																										
545	46.0298702	-89.5016802	337	Star Lake	Vilas	8/1/2017	JLW & JMB	545	23		Rope	SAMPLED			0																										
546	46.0298666	-89.5008403	339	Star Lake	Vilas	8/1/2017	JLW & JMB	546	25		Rope	SAMPLED			0																										
547	46.0298629	-89.5000005	356	Star Lake	Vilas	8/1/2017	JLW & JMB	547	26		Rope	SAMPLED			0																										
548	46.0298592	-89.4991606	357	Star Lake	Vilas	8/1/2017	JLW & JMB	548	26		Rope	SAMPLED			0																										
549	46.0298555	-89.4983207	358	Star Lake	Vilas	8/1/2017	JLW & JMB	549	28		Rope	SAMPLED			0																										
550	46.0298518	-89.4974809	359	Star Lake	Vilas	8/1/2017	JLW & JMB	550	28		Rope	SAMPLED			0																										
551	46.0298481	-89.496641	916	Star Lake	Vilas	8/3/2017	JLW & JMB	551	27			DEEP																													
552	46.0298444	-89.4958012	0	Star Lake	Vilas			552	0			DEEP																													
553	46.0298407	-89.4949613	0	Star Lake	Vilas			553	0			DEEP																													
554	46.029837	-89.4941214	0	Star Lake	Vilas			554	0			DEEP																													
555	46.0298333	-89.4932816	588	Star Lake	Vilas	8/2/2017	JLW & JMB	555	29			DEEP																													
556	46.0298296	-89.4924417	589	Star Lake	Vilas	8/2/2017	JLW & JMB	556	27			DEEP																													
557	46.0298258	-89.4916018	590	Star Lake	Vilas	8/2/2017	JLW & JMB	557	21		Rope	SAMPLED			0																										
558	46.0298221	-89.490762	591	Star Lake	Vilas	8/2/2017	JLW & JMB	558	16		Rope	SAMPLED			0																										
559	46.0298184	-89.4899221	592	Star Lake	Vilas	8/2/2017	JLW & JMB	559	2	Sand	Pole	SAMPLED			0																										
560	46.0297806	-89.4815235	500	Star Lake	Vilas	8/2/2017	JLW & JMB	560	1	Sand	Pole	SAMPLED			1								1																		
561	46.0297768	-89.4806837	493	Star Lake	Vilas	8/2/2017	JLW & JMB	561	2	Sand	Pole	SAMPLED			1			1			1		1																		
562	46.0297653	-89.4781641	486	Star Lake	Vilas	8/2/2017	JLW & JMB	562	14	Muck	Pole	SAMPLED			0																										
563	46.0297614	-89.4773242	484	Star Lake	Vilas	8/2/2017	JLW & JMB	563	44			DEEP																													
564	46.0297576	-89.4764844	483	Star Lake	Vilas	8/2/2017	JLW & JMB	564	48			DEEP																													
565	46.0297537	-89.4756445	477	Star Lake	Vilas	8/2/2017	JLW & JMB	565	49			DEEP																													
566	46.0297499	-89.4748047	478	Star Lake	Vilas	8/2/2017	JLW & JMB	566	43			DEEP																													
567	46.029746	-89.4739648	0	Star Lake	Vilas			567	0			DEEP																													
568	46.0297422	-89.4731249	0	Star Lake	Vilas			568	0			DEEP																													
569	46.0297383	-89.4722851	0	Star Lake	Vilas			569	0			DEEP																													
570	46.0297344	-89.4714452	0	Star Lake	Vilas			570	0			DEEP																													
571	46.0297305	-89.4706054	0	Star Lake	Vilas			571	0			DEEP																													
572	46.0297266	-89.4697655	402	Star Lake	Vilas	8/2/2017	JLW & JMB	572	47			DEEP																													
573	46.0297227	-89.4689257	401	Star Lake	Vilas	8/2/2017	JLW & JMB	573	43			DEEP																													
574	46.0297188	-89.4680858	400	Star Lake	Vilas	8/2/2017	JLW & JMB	574	20		Rope	SAMPLED			0																										
575	46.0297149	-89.4672459	399	Star Lake	Vilas	8/2/2017	JLW & JMB	575	12	Muck	Pole	SAMPLED			0																										
576	46.029711	-89.4664061	398	Star Lake	Vilas	8/2/2017	JLW & JMB	576	5	Muck	Pole	SAMPLED			0																										
577	46.0292998	-89.5050449	321	Star Lake	Vilas	8/1/2017	JLW & JMB	577	17		Rope	SAMPLED			0																										
578	46.0292962	-89.504205	320	Star Lake	Vilas	8/1/2017	JLW & JMB	578	19		Rope	SAMPLED			0																										
579	46.0292925	-89.5033652	319	Star Lake	Vilas	8/1/2017	JLW & JMB	579	21		Rope	SAMPLED			1										1																
580	46.0292889	-89.5025253	318	Star Lake	Vilas	8/1/2017	JLW & JMB	580	21		Rope	SAMPLED			0																										
581	46.0292852	-89.5016854	317	Star Lake	Vilas	8/1/2017	JLW & JMB	581	23		Rope	SAMPLED			0																										
582	46.0292816	-89.5008456	316	Star Lake	Vilas	8/1/2017	JLW & JMB	582	25		Rope	SAMPLED			0																										
583	46.0292779	-89.5000057	315	Star Lake	Vilas	8/1/2017	JLW & JMB	583	26		Rope	SAMPLED			0																										
584	46.0292742	-89.4991659	314	Star Lake	Vilas	8/1/2017	JLW & JMB	584	27		Rope	SAMPLED			0																										

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole, Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
585	46.0292705	-89.498326	313	Star Lake	Vilas	8/1/2017	JLW & JMB	585	28			DEEP																													
586	46.0292668	-89.4974862	360	Star Lake	Vilas	8/1/2017	JLW & JMB	586	28			DEEP																													
587	46.0292632	-89.4966463	0	Star Lake	Vilas			587	0			DEEP																													
588	46.0292595	-89.4958065	0	Star Lake	Vilas			588	0			DEEP																													
589	46.0292557	-89.4949666	0	Star Lake	Vilas			589	0			DEEP																													
590	46.029252	-89.4941268	0	Star Lake	Vilas			590	0			DEEP																													
591	46.0292483	-89.4932869	587	Star Lake	Vilas	8/2/2017	JLW & JMB	591	29			DEEP																													
592	46.0292446	-89.4924471	586	Star Lake	Vilas	8/2/2017	JLW & JMB	592	9	Rock	Pole	SAMPLED			0																									
593	46.0292408	-89.4916072	585	Star Lake	Vilas	8/2/2017	JLW & JMB	593	9	Sand	Pole	SAMPLED			0																									
594	46.0292371	-89.4907674	584	Star Lake	Vilas	8/2/2017	JLW & JMB	594	7	Muck	Pole	SAMPLED			0																									
595	46.0292032	-89.4832087	506	Star Lake	Vilas	8/2/2017	JLW & JMB	595	1	Rock	Pole	SAMPLED			0																									
596	46.0291994	-89.4823688	501	Star Lake	Vilas	8/2/2017	JLW & JMB	596	4	Sand	Pole	SAMPLED			0																									
597	46.0291956	-89.481529	499	Star Lake	Vilas	8/2/2017	JLW & JMB	597	5	Sand	Pole	SAMPLED			0																									
598	46.0291918	-89.4806891	494	Star Lake	Vilas	8/2/2017	JLW & JMB	598	5	Sand	Pole	SAMPLED			0																									
599	46.0291879	-89.4798493	492	Star Lake	Vilas	8/2/2017	JLW & JMB	599	5	Sand	Pole	SAMPLED			0																									
600	46.0291841	-89.4790094	488	Star Lake	Vilas	8/2/2017	JLW & JMB	600	11	Muck	Pole	SAMPLED			0																									
601	46.0291803	-89.4781696	487	Star Lake	Vilas	8/2/2017	JLW & JMB	601	42			DEEP																													
602	46.0291764	-89.4773297	0	Star Lake	Vilas			602	0			DEEP																													
603	46.0291726	-89.4764899	0	Star Lake	Vilas			603	0			DEEP																													
604	46.0291688	-89.47565	0	Star Lake	Vilas			604	0			DEEP																													
605	46.0291649	-89.4748102	0	Star Lake	Vilas			605	0			DEEP																													
606	46.029161	-89.4739703	0	Star Lake	Vilas			606	0			DEEP																													
607	46.0291572	-89.4731305	0	Star Lake	Vilas			607	0			DEEP																													
608	46.0291533	-89.4722906	390	Star Lake	Vilas	8/2/2017	JLW & JMB	608	51			DEEP																													
609	46.0291494	-89.4714508	391	Star Lake	Vilas	8/2/2017	JLW & JMB	609	47			DEEP																													
610	46.0291455	-89.470611	392	Star Lake	Vilas	8/2/2017	JLW & JMB	610	43			DEEP																													
611	46.0291416	-89.4697711	393	Star Lake	Vilas	8/2/2017	JLW & JMB	611	15	Muck	Pole	SAMPLED			0																									
612	46.0291377	-89.4689313	395	Star Lake	Vilas	8/2/2017	JLW & JMB	612	20		Rope	SAMPLED			0																									
613	46.0291338	-89.4680914	396	Star Lake	Vilas	8/2/2017	JLW & JMB	613	7	Muck	Pole	SAMPLED			0																									
614	46.0291299	-89.4672516	397	Star Lake	Vilas	8/2/2017	JLW & JMB	614	3	Rock	Pole	SAMPLED			0																									
615	46.0287148	-89.5050501	304	Star Lake	Vilas	8/1/2017	JLW & JMB	615	15		Rope	SAMPLED			0																									
616	46.0287112	-89.5042102	305	Star Lake	Vilas	8/1/2017	JLW & JMB	616	17		Rope	SAMPLED			0																									
617	46.0287075	-89.5033704	306	Star Lake	Vilas	8/1/2017	JLW & JMB	617	20		Rope	SAMPLED			0																									
618	46.0287039	-89.5025305	307	Star Lake	Vilas	8/1/2017	JLW & JMB	618	21		Rope	SAMPLED			0																									
619	46.0287002	-89.5016907	308	Star Lake	Vilas	8/1/2017	JLW & JMB	619	22		Rope	SAMPLED			0																									
620	46.0286966	-89.5008509	309	Star Lake	Vilas	8/1/2017	JLW & JMB	620	23		Rope	SAMPLED			0																									
621	46.0286929	-89.500011	310	Star Lake	Vilas	8/1/2017	JLW & JMB	621	25		Rope	SAMPLED			0																									
622	46.0286892	-89.4991712	311	Star Lake	Vilas	8/1/2017	JLW & JMB	622	25		Rope	SAMPLED			0																									
623	46.0286855	-89.4983313	312	Star Lake	Vilas	8/1/2017	JLW & JMB	623	27			DEEP																													
624	46.0286819	-89.4974915	0	Star Lake	Vilas			624	0			DEEP																													
625	46.0286782	-89.4966516	0	Star Lake	Vilas			625	0			DEEP																													
626	46.0286745	-89.4958118	0	Star Lake	Vilas			626	0			DEEP																													
627	46.0286707	-89.4949719	0	Star Lake	Vilas			627	0			DEEP																													
628	46.028667	-89.4941321	579	Star Lake	Vilas	8/2/2017	JLW & JMB	628	26			DEEP																													
629	46.0286633	-89.4932923	580	Star Lake	Vilas	8/2/2017	JLW & JMB	629	26			DEEP																													
630	46.0286596	-89.4924524	581	Star Lake	Vilas	8/2/2017	JLW & JMB	630	10	Rock	Pole	SAMPLED			0																									
631	46.0286559	-89.4916126	582	Star Lake	Vilas	8/2/2017	JLW & JMB	631	4	Rock	Pole	SAMPLED			0																									
632	46.0286521	-89.4907727	583	Star Lake	Vilas	8/2/2017	JLW & JMB	632	3	Sand	Pole	SAMPLED			0																									
633	46.028622	-89.484054	507	Star Lake	Vilas	8/2/2017	JLW & JMB	633	3	Sand	Pole	SAMPLED			0																									
634	46.0286182	-89.4832141	505	Star Lake	Vilas	8/2/2017	JLW & JMB	634	7	Sand	Pole	SAMPLED			0																									
635	46.0286144	-89.4823743	502	Star Lake	Vilas	8/2/2017	JLW & JMB	635	16		Rope	SAMPLED			0																									
636	46.0286106	-89.4815345	498	Star Lake	Vilas	8/2/2017	JLW & JMB	636	10	Muck	Pole	SAMPLED			0																									
637	46.0286068	-89.4806946	495	Star Lake	Vilas	8/2/2017	JLW & JMB	637	6	Sand	Pole	SAMPLED			0																									
638	46.0286029	-89.4798548	490	Star Lake	Vilas	8/2/2017	JLW & JMB	638	16		Rope	SAMPLED			0																									
639	46.0285991	-89.4790149	489	Star Lake	Vilas	8/2/2017	JLW & JMB	639	30			DEEP																													
640	46.0285953	-89.4781751	0	Star Lake	Vilas			640	0			DEEP																													
641	46.0285915	-89.4773353	0	Star Lake	Vilas			641	0			DEEP																													
642	46.0285876	-89.4764954	0	Star Lake	Vilas			642	0			DEEP																													
643	46.0285838	-89.4756556	0	Star Lake	Vilas			643	0			DEEP																													
644	46.0285799	-89.4748157	0	Star Lake	Vilas			644	0			DEEP																													
645	46.028576	-89.4739759	0	Star Lake	Vilas			645	0			DEEP																													
646	46.0285722	-89.4731361	0	Star Lake	Vilas			646	0			DEEP																													
647	46.0285683	-89.4722962	389	Star Lake	Vilas	8/2/2017	JLW & JMB	647	47			DEEP																													
648	46.0285644	-89.4714564	388	Star Lake	Vilas	8/2/2017	JLW & JMB	648	32			DEEP																													
649	46.0285605	-89.4706165	387	Star Lake	Vilas	8/2/2017	JLW & JMB	649	5	Rock	Pole	SAMPLED			0																									
650	46.0285566	-89.4697767	394	Star Lake	Vilas	8/2/2017	JLW & JMB	650	1	Muck	Pole	SAMPLED			0																									
651	46.0281298	-89.5050553	303	Star Lake	Vilas	8/1/2017	JLW & JMB	651	12	Muck	Pole	SAMPLED			0																									
652	46.0281262	-89.5042155	302	Star Lake	Vilas	8/1/2017	JLW & JMB	652	18		Rope	SAMPLED			0																									
653	46.0281226	-89.5033756	301	Star Lake	Vilas	8/1/2017	JLW & JMB	653	19		Rope	SAMPLED			0																									
654	46.0281189	-89.5025358	300	Star Lake	Vilas	8/1/2017	JLW & JMB	654	22		Rope	SAMPLED			0																									
655	46.0281152	-89.501696	299	Star Lake	Vilas	8/1/2017	JLW & JMB	655	10	Rock	Pole	SAMPLED			0																									
656	46.0281079	-89.5000163	291	Star Lake	Vilas	8/1/2017	JLW & JMB	656	15	Muck	Rope	SAMPLED			0																									
657	46.0281042	-89.4991765	290	Star Lake	Vilas	8/1/2017	JLW & JMB	657	26		Rope	SAMPLED			0																									

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole, Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
658	46.0281005	-89.4983366	289	Star Lake	Vilas	8/1/2017	JLW & JMB	658	27		Rope	SAMPLED			0																										
659	46.0280969	-89.4974968	288	Star Lake	Vilas	8/1/2017	JLW & JMB	659	28			DEEP																													
660	46.0280932	-89.4966569	287	Star Lake	Vilas	8/1/2017	JLW & JMB	660	28			DEEP																													
661	46.0280895	-89.4958171	0	Star Lake	Vilas			661	0			DEEP																													
662	46.0280857	-89.4949773	0	Star Lake	Vilas			662	0			DEEP																													
663	46.028082	-89.4941374	578	Star Lake	Vilas	8/2/2017	JLW & JMB	663	25			DEEP																													
664	46.0280783	-89.4932976	577	Star Lake	Vilas	8/2/2017	JLW & JMB	664	23		Rope	SAMPLED			0																										
665	46.0280746	-89.4924578	576	Star Lake	Vilas	8/2/2017	JLW & JMB	665	8	Rock	Pole	SAMPLED			0																										
666	46.0280408	-89.4848993	515	Star Lake	Vilas	8/2/2017	JLW & JMB	666	2	Muck	Pole	SAMPLED			0																										
667	46.028037	-89.4840594	508	Star Lake	Vilas	8/2/2017	JLW & JMB	667	19		Rope	SAMPLED			0																										
668	46.0280332	-89.4832196	504	Star Lake	Vilas	8/2/2017	JLW & JMB	668	30			DEEP																													
669	46.0280294	-89.4823798	503	Star Lake	Vilas	8/2/2017	JLW & JMB	669	38			DEEP																													
670	46.0280256	-89.4815399	497	Star Lake	Vilas	8/2/2017	JLW & JMB	670	36			DEEP																													
671	46.0280218	-89.4807001	496	Star Lake	Vilas	8/2/2017	JLW & JMB	671	33			DEEP																													
672	46.028018	-89.4798603	491	Star Lake	Vilas	8/2/2017	JLW & JMB	672	47			DEEP																													
673	46.0280141	-89.4790204	0	Star Lake	Vilas			673	0			DEEP																													
674	46.0280103	-89.4781806	0	Star Lake	Vilas			674	0			DEEP																													
675	46.0280065	-89.4773408	0	Star Lake	Vilas			675	0			DEEP																													
676	46.0280026	-89.4765009	379	Star Lake	Vilas	8/2/2017	JLW & JMB	676	64			DEEP																													
677	46.0279988	-89.4756611	380	Star Lake	Vilas	8/2/2017	JLW & JMB	677	59			DEEP																													
678	46.0279949	-89.4748213	381	Star Lake	Vilas	8/2/2017	JLW & JMB	678	50			DEEP																													
679	46.027991	-89.4739814	382	Star Lake	Vilas	8/2/2017	JLW & JMB	679	44			DEEP																													
680	46.0279872	-89.4731416	383	Star Lake	Vilas	8/2/2017	JLW & JMB	680	37			DEEP																													
681	46.0279833	-89.4723018	384	Star Lake	Vilas	8/2/2017	JLW & JMB	681	10	Sand	Pole	SAMPLED			0																										
682	46.0279794	-89.471462	385	Star Lake	Vilas	8/2/2017	JLW & JMB	682	6	Rock	Pole	SAMPLED			0																										
683	46.0279755	-89.4706221	386	Star Lake	Vilas	8/2/2017	JLW & JMB	683	4	Sand	Pole	SAMPLED			0																										
684	46.0275412	-89.5042207	294	Star Lake	Vilas	8/1/2017	JLW & JMB	684	6	Rock	Pole	SAMPLED			0																										
685	46.0275376	-89.5033809	295	Star Lake	Vilas	8/1/2017	JLW & JMB	685	16		Rope	SAMPLED			0																										
686	46.0275339	-89.502541	296	Star Lake	Vilas	8/1/2017	JLW & JMB	686	17		Rope	SAMPLED			0																										
687	46.0275302	-89.5017012	297	Star Lake	Vilas	8/1/2017	JLW & JMB	687	11	Rock	Pole	SAMPLED			0																										
688	46.0275266	-89.5008614	298	Star Lake	Vilas	8/1/2017	JLW & JMB	688	3	Muck	Pole	SAMPLED			0																										
689	46.0275229	-89.5000216	282	Star Lake	Vilas	8/1/2017	JLW & JMB	689	6	Rock	Pole	SAMPLED			0																										
690	46.0275192	-89.4991817	283	Star Lake	Vilas	8/1/2017	JLW & JMB	690	25		Rope	SAMPLED			0																										
691	46.0275155	-89.4983419	284	Star Lake	Vilas	8/1/2017	JLW & JMB	691	27		Rope	SAMPLED			0																										
692	46.0275119	-89.4975021	285	Star Lake	Vilas	8/1/2017	JLW & JMB	692	27			DEEP																													
693	46.0275082	-89.4966623	286	Star Lake	Vilas	8/1/2017	JLW & JMB	693	27			DEEP																													
694	46.0275045	-89.4958224	230	Star Lake	Vilas	7/27/2017	TWH & CJF	694	25			DEEP																													
695	46.0275008	-89.4949826	572	Star Lake	Vilas	8/2/2017	JLW & JMB	695	25			DEEP																													
696	46.027497	-89.4941428	573	Star Lake	Vilas	8/2/2017	JLW & JMB	696	25			DEEP																													
697	46.0274933	-89.4933029	574	Star Lake	Vilas	8/2/2017	JLW & JMB	697	26			DEEP																													
698	46.0274896	-89.4924631	575	Star Lake	Vilas	8/2/2017	JLW & JMB	698	14	Muck	Pole	SAMPLED			0																										
699	46.0274598	-89.4857445	516	Star Lake	Vilas	8/2/2017	JLW & JMB	699	1	Rock	Pole	SAMPLED			0																										
700	46.0274558	-89.4849047	514	Star Lake	Vilas	8/2/2017	JLW & JMB	700	10	Sand	Pole	SAMPLED			0																										
701	46.027452	-89.4840649	509	Star Lake	Vilas	8/2/2017	JLW & JMB	701	39			DEEP																													
702	46.0274482	-89.483225	0	Star Lake	Vilas			702	0			DEEP																													
703	46.0274444	-89.4823852	0	Star Lake	Vilas			703	0			DEEP																													
704	46.0274406	-89.4815454	0	Star Lake	Vilas			704	0			DEEP																													
705	46.0274368	-89.4807056	0	Star Lake	Vilas			705	0			DEEP																													
706	46.027433	-89.4798658	0	Star Lake	Vilas			706	0			DEEP																													
707	46.0274291	-89.4790259	0	Star Lake	Vilas			707	0			DEEP																													
708	46.0274253	-89.4781861	0	Star Lake	Vilas			708	0			DEEP																													
709	46.0274215	-89.4773463	0	Star Lake	Vilas			709	0			DEEP																													
710	46.0274176	-89.4765065	378	Star Lake	Vilas	8/2/2017	JLW & JMB	710	36			DEEP																													
711	46.0274138	-89.4756666	377	Star Lake	Vilas	8/2/2017	JLW & JMB	711	16		Rope	SAMPLED			0																										
712	46.0274099	-89.4748268	376	Star Lake	Vilas	8/2/2017	JLW & JMB	712	8	Rock	Pole	SAMPLED			0																										
713	46.0274061	-89.473987	375	Star Lake	Vilas	8/2/2017	JLW & JMB	713	12	Sand	Pole	SAMPLED			0																										
714	46.0274022	-89.4731472	374	Star Lake	Vilas	8/2/2017	JLW & JMB	714	7	Rock	Pole	SAMPLED			0																										
715	46.0273983	-89.4723074	373	Star Lake	Vilas	8/2/2017	JLW & JMB	715	6	Rock	Pole	SAMPLED			0																										
716	46.0273944	-89.4714675	372	Star Lake	Vilas	8/2/2017	JLW & JMB	716	5	Rock	Pole	SAMPLED			0																										
717	46.0273905	-89.4706277	371	Star Lake	Vilas	8/2/2017	JLW & JMB	717	4	Rock	Pole	SAMPLED			0																										
718	46.0269489	-89.5025463	293	Star Lake	Vilas	8/1/2017	JLW & JMB	718	10	Muck	Pole	SAMPLED			0																										
719	46.0269452	-89.5017065	292	Star Lake	Vilas	8/1/2017	JLW & JMB	719	5	Sand	Pole	SAMPLED			0																										
720	46.0269342	-89.499187	225	Star Lake	Vilas	7/27/2017	TWH & CJF	720	13	Sand	Pole	SAMPLED			0																										
721	46.0269305	-89.4983472	226	Star Lake	Vilas	7/27/2017	TWH & CJF	721	16	Rock	Pole	SAMPLED			0																										
722	46.0269269	-89.4975074	227	Star Lake	Vilas	7/27/2017	TWH & CJF	722	21		Rope	SAMPLED			0																										
723	46.0269232	-89.4966676	228	Star Lake	Vilas	7/27/2017	TWH & CJF	723	23		Rope	SAMPLED			0																										
724	46.0269195	-89.4958277	229	Star Lake	Vilas	7/27/2017	TWH & CJF	724	26			DEEP																													
725	46.0269158	-89.4949879	571	Star Lake	Vilas	8/2/2017	JLW & JMB	725	16		Rope	SAMPLED			0																										
726	46.026912	-89.4941481	570	Star Lake	Vilas	8/2/2017	JLW & JMB	726	23		Rope	SAMPLED			0																										
727	46.0269083	-89.4933083	569	Star Lake	Vilas	8/2/2017	JLW & JMB	727	25		Rope	SAMPLED			0																										
728	46.0269046	-89.4924685	568	Star Lake	Vilas	8/2/2017	JLW & JMB	728	13	Sand	Pole	SAMPLED			0																										
729	46.0269009	-89.4916287	567	Star Lake	Vilas	8/2/2017	JLW & JMB	729	13	Sand	Pole	SAMPLED			0																										
730	46.0268783	-89.4865898	523	Star Lake	Vilas	8/2/2017	JLW & JMB	730	1	Rock	Pole	SAMPLED			0																										

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
731	46.0268746	-89.4857499	517	Star Lake	Vilas	8/2/2017	JLW & JMB	731	8	Sand	Pole	SAMPLED			0																										
732	46.0268708	-89.4849101	513	Star Lake	Vilas	8/2/2017	JLW & JMB	732	22		Rope	SAMPLED			0																										
733	46.026867	-89.4840703	510	Star Lake	Vilas	8/2/2017	JLW & JMB	733	0			DEEP																													
734	46.0268632	-89.4832305	0	Star Lake	Vilas			734	0			DEEP																													
735	46.0268594	-89.4823907	0	Star Lake	Vilas			735	0			DEEP																													
736	46.0268556	-89.4815509	0	Star Lake	Vilas			736	0			DEEP																													
737	46.0268518	-89.4807111	0	Star Lake	Vilas			737	0			DEEP																													
738	46.026848	-89.4798712	0	Star Lake	Vilas			738	0			DEEP																													
739	46.0268441	-89.4790314	0	Star Lake	Vilas			739	0			DEEP																													
740	46.0268403	-89.4781916	0	Star Lake	Vilas			740	0			DEEP																													
741	46.0268365	-89.4773518	0	Star Lake	Vilas			741	0			DEEP																													
742	46.0268326	-89.476512	274	Star Lake	Vilas	8/1/2017	JLW & JMB	742	39			DEEP																													
743	46.0268288	-89.4756722	275	Star Lake	Vilas	8/1/2017	JLW & JMB	743	25		Rope	SAMPLED			0																										
744	46.0268249	-89.4748324	276	Star Lake	Vilas	8/1/2017	JLW & JMB	744	8	Muck	Pole	SAMPLED			0																										
745	46.0268211	-89.4739925	277	Star Lake	Vilas	8/1/2017	JLW & JMB	745	7	Muck	Pole	SAMPLED			0																										
746	46.0268172	-89.4731527	278	Star Lake	Vilas	8/1/2017	JLW & JMB	746	17		Rope	SAMPLED			0																										
747	46.0268133	-89.4723129	279	Star Lake	Vilas	8/1/2017	JLW & JMB	747	11	Muck	Pole	SAMPLED			0																										
748	46.0268094	-89.4714731	280	Star Lake	Vilas	8/1/2017	JLW & JMB	748	10	Muck	Pole	SAMPLED			0																										
749	46.0268055	-89.4706333	281	Star Lake	Vilas	8/1/2017	JLW & JMB	749	5	Sand	Pole	SAMPLED			0																										
750	46.0263492	-89.4991923	224	Star Lake	Vilas	7/27/2017	TWH & CJF	750	16	Muck	Pole	SAMPLED			0																										
751	46.0263456	-89.4983525	223	Star Lake	Vilas	7/27/2017	TWH & CJF	751	14	Sand	Pole	SAMPLED			0																										
752	46.0263419	-89.4975127	222	Star Lake	Vilas	7/27/2017	TWH & CJF	752	11	Rock	Pole	SAMPLED			0																										
753	46.0263382	-89.4966729	221	Star Lake	Vilas	7/27/2017	TWH & CJF	753	18		Rope	SAMPLED			0																										
754	46.0263345	-89.4958331	220	Star Lake	Vilas	7/27/2017	TWH & CJF	754	23		Rope	SAMPLED			0																										
755	46.0263308	-89.4949933	562	Star Lake	Vilas	8/2/2017	JLW & JMB	755	24		Rope	SAMPLED			0																										
756	46.026327	-89.4941534	563	Star Lake	Vilas	8/2/2017	JLW & JMB	756	23		Rope	SAMPLED			0																										
757	46.0263233	-89.4933136	564	Star Lake	Vilas	8/2/2017	JLW & JMB	757	24		Rope	SAMPLED			0																										
758	46.0263196	-89.4924738	565	Star Lake	Vilas	8/2/2017	JLW & JMB	758	25		Rope	SAMPLED			0																										
759	46.0263159	-89.491634	566	Star Lake	Vilas	8/2/2017	JLW & JMB	759	16		Rope	SAMPLED			0																										
760	46.0263046	-89.4891146	550	Star Lake	Vilas	8/2/2017	JLW & JMB	760	3	Sand	Pole	SAMPLED			0																										
761	46.0263009	-89.4882748	549	Star Lake	Vilas	8/2/2017	JLW & JMB	761	2	Sand	Pole	SAMPLED			0																										
762	46.0262971	-89.487435	524	Star Lake	Vilas	8/2/2017	JLW & JMB	762	3	Rock	Pole	SAMPLED			0																										
763	46.0262933	-89.4865952	522	Star Lake	Vilas	8/2/2017	JLW & JMB	763	7	Sand	Pole	SAMPLED			0																										
764	46.0262896	-89.4857554	518	Star Lake	Vilas	8/2/2017	JLW & JMB	764	14	Sand	Pole	SAMPLED			0																										
765	46.0262858	-89.4849156	512	Star Lake	Vilas	8/2/2017	JLW & JMB	765	37			DEEP																													
766	46.026282	-89.4840758	511	Star Lake	Vilas	8/2/2017	JLW & JMB	766	0			DEEP																													
767	46.0262782	-89.483236	0	Star Lake	Vilas			767	0			DEEP																													
768	46.0262744	-89.4823961	0	Star Lake	Vilas			768	0			DEEP																													
769	46.0262706	-89.4815563	0	Star Lake	Vilas			769	0			DEEP																													
770	46.0262668	-89.4807165	0	Star Lake	Vilas			770	0			DEEP																													
771	46.026263	-89.4798767	0	Star Lake	Vilas			771	0			DEEP																													
772	46.0262591	-89.4790369	0	Star Lake	Vilas			772	0			DEEP																													
773	46.0262553	-89.4781971	0	Star Lake	Vilas			773	0			DEEP																													
774	46.0262515	-89.4773573	0	Star Lake	Vilas			774	0			DEEP																													
775	46.0262476	-89.4765175	273	Star Lake	Vilas	8/1/2017	JLW & JMB	775	38			DEEP																													
776	46.0262438	-89.4756777	272	Star Lake	Vilas	8/1/2017	JLW & JMB	776	20		Rope	SAMPLED			0																										
777	46.0262399	-89.4748379	271	Star Lake	Vilas	8/1/2017	JLW & JMB	777	15	Muck	Pole	SAMPLED			0																										
778	46.0262361	-89.4739981	270	Star Lake	Vilas	8/1/2017	JLW & JMB	778	13	Muck	Pole	SAMPLED			0																										
779	46.0262322	-89.4731583	269	Star Lake	Vilas	8/1/2017	JLW & JMB	779	21		Rope	SAMPLED			0																										
780	46.0262283	-89.4723185	268	Star Lake	Vilas	8/1/2017	JLW & JMB	780	18		Rope	SAMPLED			0																										
781	46.0262244	-89.4714787	267	Star Lake	Vilas	8/1/2017	JLW & JMB	781	18		Rope	SAMPLED			0																										
782	46.0262206	-89.4706389	266	Star Lake	Vilas	8/1/2017	JLW & JMB	782	15	Muck	Pole	SAMPLED			0																										
783	46.0257679	-89.5000374	214	Star Lake	Vilas	7/27/2017	TWH & CJF	783	4	Rock	Pole	SAMPLED			0																										
784	46.0257642	-89.4991976	215	Star Lake	Vilas	7/27/2017	TWH & CJF	784	16		Rope	SAMPLED			0																										
785	46.0257606	-89.4983578	216	Star Lake	Vilas	7/27/2017	TWH & CJF	785	16		Rope	SAMPLED			0																										
786	46.0257569	-89.497518	217	Star Lake	Vilas	7/27/2017	TWH & CJF	786	18		Rope	SAMPLED			0																										
787	46.0257532	-89.4966782	218	Star Lake	Vilas	7/27/2017	TWH & CJF	787	20		Rope	SAMPLED			0																										
788	46.0257495	-89.4958384	219	Star Lake	Vilas	7/27/2017	TWH & CJF	788	23		Rope	SAMPLED			0																										
789	46.0257458	-89.4949986	561	Star Lake	Vilas	8/2/2017	JLW & JMB	789	22		Rope	SAMPLED			0																										
790	46.025742	-89.4941588	560	Star Lake	Vilas	8/2/2017	JLW & JMB	790	23		Rope	SAMPLED			0																										
791	46.0257383	-89.493319	559	Star Lake	Vilas	8/2/2017	JLW & JMB	791	25		Rope	SAMPLED			0																										
792	46.0257346	-89.4924792	558	Star Lake	Vilas	8/2/2017	JLW & JMB	792	23		Rope	SAMPLED			0																										
793	46.0257309	-89.4916394	557	Star Lake	Vilas	8/2/2017	JLW & JMB	793	9	Sand	Pole	SAMPLED			0																										
794	46.0257271	-89.4907996	556	Star Lake	Vilas	8/2/2017	JLW & JMB	794	5	Sand	Pole	SAMPLED			0																										
795	46.0257234	-89.4899598	555	Star Lake	Vilas	8/2/2017	JLW & JMB	795	4	Sand	Pole	SAMPLED			0																										
796	46.0257196	-89.48912	551	Star Lake	Vilas	8/2/2017	JLW & JMB	796	4	Muck	Pole	SAMPLED			0																										
797	46.0257159	-89.4882802	548	Star Lake	Vilas	8/2/2017	JLW & JMB	797	5	Sand	Pole	SAMPLED			0																										
798	46.0257121	-89.4874404	525	Star Lake	Vilas	8/2/2017	JLW & JMB	798	7	Sand	Pole	SAMPLED			0																										
799	46.0257083	-89.4866006	521	Star Lake	Vilas	8/2/2017	JLW & JMB	799	8	Sand	Pole	SAMPLED			0																										
800	46.0257046	-89.4857608	519	Star Lake	Vilas	8/2/2017	JLW & JMB	800	27			DEEP																													
801	46.0257008	-89.484921	0	Star Lake	Vilas			801	0			DEEP																													
802	46.025697	-89.4840812	0	Star Lake	Vilas			802	0			DEEP																													
803	46.0256932	-89.4832414	0	Star Lake	Vilas			803	0			DEEP																													

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
804	46.0256894	-89.4824016	0	Star Lake	Vilas			804	0			DEEP																													
805	46.0256856	-89.4815618	0	Star Lake	Vilas			805	0			DEEP																													
806	46.0256818	-89.480722	0	Star Lake	Vilas			806	0			DEEP																													
807	46.025678	-89.4798822	0	Star Lake	Vilas			807	0			DEEP																													
808	46.0256741	-89.4790424	0	Star Lake	Vilas			808	0			DEEP																													
809	46.0256703	-89.4782026	257	Star Lake	Vilas	8/1/2017	JLW & JMB	809	64			DEEP																													
810	46.0256665	-89.4773628	258	Star Lake	Vilas	8/1/2017	JLW & JMB	810	52			DEEP																													
811	46.0256626	-89.476523	259	Star Lake	Vilas	8/1/2017	JLW & JMB	811	34			DEEP																													
812	46.0256588	-89.4756832	260	Star Lake	Vilas	8/1/2017	JLW & JMB	812	24		Rope	SAMPLED			0																										
813	46.0256549	-89.4748434	261	Star Lake	Vilas	8/1/2017	JLW & JMB	813	29		Rope	SAMPLED			0																										
814	46.0256511	-89.4740036	262	Star Lake	Vilas	8/1/2017	JLW & JMB	814	21		Rope	SAMPLED			0																										
815	46.0256472	-89.4731638	263	Star Lake	Vilas	8/1/2017	JLW & JMB	815	19		Rope	SAMPLED			0																										
816	46.0256433	-89.472324	264	Star Lake	Vilas	8/1/2017	JLW & JMB	816	17		Rope	SAMPLED			0																										
817	46.0256394	-89.4714843	265	Star Lake	Vilas	8/1/2017	JLW & JMB	817	16		Rope	SAMPLED			0																										
818	46.0256317	-89.4698047	4	Star Lake	Vilas	7/27/2017	TWH & CJF	818	4	Muck	Pole	SAMPLED			1																					1				
819	46.0256278	-89.4689649	3	Star Lake	Vilas	7/27/2017	TWH & CJF	819	5	Muck	Pole	SAMPLED			0																										
820	46.0256239	-89.4681251	2	Star Lake	Vilas	7/27/2017	TWH & CJF	820	4	Muck	Pole	SAMPLED			0																										
821	46.0256199	-89.4672853	1	Star Lake	Vilas	7/27/2017	TWH & CJF	821	3	Muck	Pole	SAMPLED	7-27-17		1																							1			
822	46.0251792	-89.4992029	213	Star Lake	Vilas	7/27/2017	TWH & CJF	822	4	Rock	Pole	SAMPLED			0																										
823	46.0251756	-89.4983631	212	Star Lake	Vilas	7/27/2017	TWH & CJF	823	18		Rope	SAMPLED			0																										
824	46.0251719	-89.4975233	211	Star Lake	Vilas	7/27/2017	TWH & CJF	824	21		Rope	SAMPLED			0																										
825	46.0251682	-89.4966835	202	Star Lake	Vilas	7/27/2017	TWH & CJF	825	21		Rope	SAMPLED			0																										
826	46.0251645	-89.4958437	201	Star Lake	Vilas	7/27/2017	TWH & CJF	826	22		Rope	SAMPLED			0																										
827	46.0251608	-89.4950039	196	Star Lake	Vilas	7/27/2017	TWH & CJF	827	3	Rock	Pole	SAMPLED			0																										
828	46.0251571	-89.4941641	195	Star Lake	Vilas	7/27/2017	TWH & CJF	828	12	Sand	Pole	SAMPLED			0																										
829	46.0251533	-89.4933243	190	Star Lake	Vilas	7/27/2017	TWH & CJF	829	19		Rope	SAMPLED			0																										
830	46.0251496	-89.4924845	189	Star Lake	Vilas	7/27/2017	TWH & CJF	830	17		Rope	SAMPLED			0																										
831	46.0251459	-89.4916447	554	Star Lake	Vilas	8/2/2017	JLW & JMB	831	8	Sand	Pole	SAMPLED			0																										
832	46.0251421	-89.490805	553	Star Lake	Vilas	8/2/2017	JLW & JMB	832	5	Sand	Pole	SAMPLED			0																										
833	46.0251384	-89.4899652	552	Star Lake	Vilas	8/2/2017	JLW & JMB	833	9	Muck	Pole	SAMPLED			0																										
834	46.0251346	-89.4891254	547	Star Lake	Vilas	8/2/2017	JLW & JMB	834	2	Rock	Pole	SAMPLED			0																										
835	46.0251309	-89.4882856	546	Star Lake	Vilas	8/2/2017	JLW & JMB	835	7	Sand	Pole	SAMPLED			0																										
836	46.0251271	-89.4874458	526	Star Lake	Vilas	8/2/2017	JLW & JMB	836	11	Muck	Pole	SAMPLED			0																										
837	46.0251233	-89.486606	520	Star Lake	Vilas	8/2/2017	JLW & JMB	837	27			DEEP																													
838	46.0251196	-89.4857662	0	Star Lake	Vilas			838	0			DEEP																													
839	46.0251158	-89.4849264	0	Star Lake	Vilas			839	0			DEEP																													
840	46.025112	-89.4840866	0	Star Lake	Vilas			840	0			DEEP																													
841	46.0251082	-89.4832469	0	Star Lake	Vilas			841	0			DEEP																													
842	46.0251044	-89.4824071	0	Star Lake	Vilas			842	0			DEEP																													
843	46.0251006	-89.4815673	0	Star Lake	Vilas			843	0			DEEP																													
844	46.0250968	-89.4807275	0	Star Lake	Vilas			844	0			DEEP																													
845	46.025093	-89.4798877	0	Star Lake	Vilas			845	0			DEEP																													
846	46.0250891	-89.4790479	0	Star Lake	Vilas			846	0			DEEP																													
847	46.0250853	-89.4782081	256	Star Lake	Vilas	8/1/2017	JLW & JMB	847	56			DEEP																													
848	46.0250815	-89.4773683	255	Star Lake	Vilas	8/1/2017	JLW & JMB	848	25		Rope	SAMPLED			0																										
849	46.0250776	-89.4765285	254	Star Lake	Vilas	8/1/2017	JLW & JMB	849	22		Rope	SAMPLED			0																										
850	46.0250738	-89.4756888	253	Star Lake	Vilas	8/1/2017	JLW & JMB	850	31			DEEP																													
851	46.0250699	-89.474849	252	Star Lake	Vilas	8/1/2017	JLW & JMB	851	32			DEEP																													
852	46.0250661	-89.4740092	251	Star Lake	Vilas	8/1/2017	JLW & JMB	852	24		Rope	SAMPLED			0																										
853	46.0250622	-89.4731694	250	Star Lake	Vilas	8/1/2017	JLW & JMB	853	22		Rope	SAMPLED			0																										
854	46.0250583	-89.4723296	249	Star Lake	Vilas	8/1/2017	JLW & JMB	854	20		Rope	SAMPLED			0																										
855	46.0250544	-89.4714898	248	Star Lake	Vilas	8/1/2017	JLW & JMB	855	16		Rope	SAMPLED			0																										
856	46.0250506	-89.47065	247	Star Lake	Vilas	8/1/2017	JLW & JMB	856	12	Rock	Pole	SAMPLED			0																										
857	46.0250467	-89.4698103	7	Star Lake	Vilas	7/27/2017	TWH & CJF	857	7	Muck	Pole	SAMPLED			1																		1								
858	46.0250428	-89.4689705	6	Star Lake	Vilas	7/27/2017	TWH & CJF	858	6	Muck	Pole	SAMPLED			0																										
859	46.0250389	-89.4681307	5	Star Lake	Vilas	7/27/2017	TWH & CJF	859	5	Muck	Pole	SAMPLED			0																										
860	46.0245942	-89.4992081	208	Star Lake	Vilas	7/27/2017	TWH & CJF	860	9	Sand	Pole	SAMPLED			0																										
861	46.0245906	-89.4983684	209	Star Lake	Vilas	7/27/2017	TWH & CJF	861	17		Rope	SAMPLED			0																										
862	46.0245869	-89.4975286	210	Star Lake	Vilas	7/27/2017	TWH & CJF	862	18		Rope	SAMPLED			0																										
863	46.0245832	-89.4966888	203	Star Lake	Vilas	7/27/2017	TWH & CJF	863	17		Rope	SAMPLED			0																										
864	46.0245795	-89.495849	200	Star Lake	Vilas	7/27/2017	TWH & CJF	864	17	Rock	Pole	SAMPLED			0																										
865	46.0245758	-89.4950092	197	Star Lake	Vilas	7/27/2017	TWH & CJF	865	21		Rope	SAMPLED			0																										
866	46.0245721	-89.4941695	194	Star Lake	Vilas	7/27/2017	TWH & CJF	866	23		Rope	SAMPLED			0																										
867	46.0245683	-89.4933297	191	Star Lake	Vilas	7/27/2017	TWH & CJF	867	26			DEEP																													
868	46.0245646	-89.4924899	188	Star Lake	Vilas	7/27/2017	TWH & CJF	868	11	Sand	Pole	SAMPLED			0																										
869	46.0245609	-89.4916501	541	Star Lake	Vilas	8/2/2017	JLW & JMB	869	5	Sand	Pole	SAMPLED			0																										
870	46.0245571	-89.4908103	542	Star Lake	Vilas	8/2/2017	JLW & JMB	870	21		Rope	SAMPLED			0																										
871	46.0245534	-89.4899705	543	Star Lake	Vilas	8/2/2017	JLW & JMB	871	21		Rope	SAMPLED			0																										
872	46.0245496	-89.4891308	544	Star Lake	Vilas	8/2/2017	JLW & JMB	872	0			TERRESTRIAL																													
873	46.0245459	-89.488291	545	Star Lake	Vilas	8/2/2017	JLW & JMB	873	26		Rope	SAMPLED			0																										
874	46.0245421	-89.4874512	527	Star Lake	Vilas	8/2/2017	JLW & JMB	874	42			DEEP																													
875	46.0245384	-89.4866114	0	Star Lake	Vilas			875	0			DEEP																													
876	46.0245346	-89.4857716	0	Star Lake	Vilas			876	0			DEEP																													

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole, Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
877	46.0245308	-89.4849319	0	Star Lake	Vilas			877	0			DEEP																													
878	46.024527	-89.4840921	0	Star Lake	Vilas			878	0			DEEP																													
879	46.0245232	-89.4832523	0	Star Lake	Vilas			879	0			DEEP																													
880	46.0245194	-89.4824125	0	Star Lake	Vilas			880	0			DEEP																													
881	46.0245156	-89.4815727	0	Star Lake	Vilas			881	0			DEEP																													
882	46.0245118	-89.480733	0	Star Lake	Vilas			882	0			DEEP																													
883	46.024508	-89.4798932	0	Star Lake	Vilas			883	0			DEEP																													
884	46.0245042	-89.4790534	0	Star Lake	Vilas			884	0			DEEP																													
885	46.0245003	-89.4782136	28	Star Lake	Vilas	7/27/2017	TWH & CJF	885	47			DEEP																													
886	46.0244965	-89.4773738	27	Star Lake	Vilas	7/27/2017	TWH & CJF	886	20		Rope	SAMPLED			0																										
887	46.0244926	-89.4765341	26	Star Lake	Vilas	7/27/2017	TWH & CJF	887	26			DEEP																													
888	46.0244888	-89.4756943	0	Star Lake	Vilas			888	0			DEEP																													
889	46.0244849	-89.4748545	0	Star Lake	Vilas			889	0			DEEP																													
890	46.0244811	-89.4740147	25	Star Lake	Vilas	7/27/2017	TWH & CJF	890	34			DEEP																													
891	46.0244772	-89.473175	24	Star Lake	Vilas	7/27/2017	TWH & CJF	891	23		Rope	SAMPLED			0																										
892	46.0244733	-89.4723352	23	Star Lake	Vilas	7/27/2017	TWH & CJF	892	16		Rope	SAMPLED			0																										
893	46.0244695	-89.4714954	22	Star Lake	Vilas	7/27/2017	TWH & CJF	893	16		Rope	SAMPLED			0																										
894	46.0244656	-89.4706556	21	Star Lake	Vilas	7/27/2017	TWH & CJF	894	13	Muck	Pole	SAMPLED			0																										
895	46.0244617	-89.4698158	8	Star Lake	Vilas	7/27/2017	TWH & CJF	895	8	Muck	Pole	SAMPLED			1																							1		
896	46.0244578	-89.4689761	9	Star Lake	Vilas	7/27/2017	TWH & CJF	896	7	Muck	Pole	SAMPLED			2																							2		
897	46.0244539	-89.4681363	10	Star Lake	Vilas	7/27/2017	TWH & CJF	897	5	Rock	Pole	SAMPLED			0																										
898	46.02445	-89.4672965	11	Star Lake	Vilas	7/27/2017	TWH & CJF	898	5	Muck	Pole	SAMPLED			2													1										2		
899	46.024446	-89.4664567	12	Star Lake	Vilas	7/27/2017	TWH & CJF	899	4	Sand	Pole	SAMPLED			0																										
900	46.0240092	-89.4992134	207	Star Lake	Vilas	7/27/2017	TWH & CJF	900	11	Muck	Pole	SAMPLED			0																										
901	46.0240056	-89.4983737	206	Star Lake	Vilas	7/27/2017	TWH & CJF	901	4	Rock	Pole	SAMPLED			0																										
902	46.0240019	-89.4975339	205	Star Lake	Vilas	7/27/2017	TWH & CJF	902	5	Sand	Pole	SAMPLED			0																										
903	46.0239982	-89.4966941	204	Star Lake	Vilas	7/27/2017	TWH & CJF	903	3	Sand	Pole	SAMPLED			0																										
904	46.0239945	-89.4958543	199	Star Lake	Vilas	7/27/2017	TWH & CJF	904	11	Sand	Pole	SAMPLED			0																										
905	46.0239908	-89.4950146	198	Star Lake	Vilas	7/27/2017	TWH & CJF	905	25			DEEP																													
906	46.0239871	-89.4941748	193	Star Lake	Vilas	7/27/2017	TWH & CJF	906	26			DEEP																													
907	46.0239833	-89.493335	192	Star Lake	Vilas	7/27/2017	TWH & CJF	907	25			DEEP																													
908	46.0239796	-89.4924952	187	Star Lake	Vilas	7/27/2017	TWH & CJF	908	7	Sand	Pole	SAMPLED			0																										
909	46.0239759	-89.4916555	540	Star Lake	Vilas	8/2/2017	JLW & JMB	909	11	Muck	Pole	SAMPLED			0																										
910	46.0239721	-89.4908157	539	Star Lake	Vilas	8/2/2017	JLW & JMB	910	32			DEEP																													
911	46.0239684	-89.4899759	538	Star Lake	Vilas	8/2/2017	JLW & JMB	911	34			DEEP																													
912	46.0239646	-89.4891362	537	Star Lake	Vilas	8/2/2017	JLW & JMB	912	23		Rope	SAMPLED			0																										
913	46.0239609	-89.4882964	536	Star Lake	Vilas	8/2/2017	JLW & JMB	913	49			DEEP																													
914	46.0239571	-89.4874566	535	Star Lake	Vilas	8/2/2017	JLW & JMB	914	54			DEEP																													
915	46.0239534	-89.4866168	0	Star Lake	Vilas			915	0			DEEP																													
916	46.0239496	-89.4857771	0	Star Lake	Vilas			916	0			DEEP																													
917	46.0239458	-89.4849373	0	Star Lake	Vilas			917	0			DEEP																													
918	46.023942	-89.4840975	0	Star Lake	Vilas			918	0			DEEP																													
919	46.0239382	-89.4832578	0	Star Lake	Vilas			919	0			DEEP																													
920	46.0239344	-89.482418	0	Star Lake	Vilas			920	0			DEEP																													
921	46.0239306	-89.4815782	0	Star Lake	Vilas			921	0			DEEP																													
922	46.0239268	-89.4807384	0	Star Lake	Vilas			922	0			DEEP																													
923	46.023923	-89.4798987	0	Star Lake	Vilas			923	0			DEEP																													
924	46.0239192	-89.4790589	0	Star Lake	Vilas			924	0			DEEP																													
925	46.0239153	-89.4782191	48	Star Lake	Vilas	7/27/2017	TWH & CJF	925	27			DEEP																													
926	46.0239115	-89.4773794	49	Star Lake	Vilas	7/27/2017	TWH & CJF	926	16		Rope	SAMPLED			0																										
927	46.0239076	-89.4765396	50	Star Lake	Vilas	7/27/2017	TWH & CJF	927	27			DEEP																													
928	46.0239038	-89.4756998	51	Star Lake	Vilas	7/27/2017	TWH & CJF	928	29			DEEP																													
929	46.0238999	-89.4748601	52	Star Lake	Vilas	7/27/2017	TWH & CJF	929	30			DEEP																													
930	46.0238961	-89.4740203	53	Star Lake	Vilas	7/27/2017	TWH & CJF	930	29			DEEP																													
931	46.0238922	-89.4731805	54	Star Lake	Vilas	7/27/2017	TWH & CJF	931	11	Rock	Pole	SAMPLED			0																										
932	46.0238883	-89.4723407	55	Star Lake	Vilas	7/27/2017	TWH & CJF	932	14	Sand	Pole	SAMPLED			0																										
933	46.0238845	-89.471501	56	Star Lake	Vilas	7/27/2017	TWH & CJF	933	13	Muck	Pole	SAMPLED			0																										
934	46.0238806	-89.4706612	57	Star Lake	Vilas	7/27/2017	TWH & CJF	934	9	Rock	Pole	SAMPLED			0																										
935	46.0238767	-89.4698214	17	Star Lake	Vilas	7/27/2017	TWH & CJF	935	7	Muck	Pole	SAMPLED			0																										
936	46.0238728	-89.4689817	16	Star Lake	Vilas	7/27/2017	TWH & CJF	936	3	Rock	Pole	SAMPLED			0																										
937	46.0238689	-89.4681419	15	Star Lake	Vilas	7/27/2017	TWH & CJF	937	6	Muck	Pole	SAMPLED			0																										
938	46.023865	-89.4673021	14	Star Lake	Vilas	7/27/2017	TWH & CJF	938	5	Muck	Pole	SAMPLED			0																										
939	46.023861	-89.4664624	13	Star Lake	Vilas	7/27/2017	TWH & CJF	939	4	Muck	Pole	SAMPLED			0																										
940	46.0234095	-89.4958597	181	Star Lake	Vilas	7/27/2017	TWH & CJF	940	3	Sand	Pole	SAMPLED			0																										
941	46.0234058	-89.4950199	182	Star Lake	Vilas	7/27/2017	TWH & CJF	941	11	Rock	Pole	SAMPLED			0																										
942	46.0234021	-89.4941801	183	Star Lake	Vilas	7/27/2017	TWH & CJF	942	17	Rock	Pole	SAMPLED			0																										
943	46.0233983	-89.4933404	184	Star Lake	Vilas	7/27/2017	TWH & CJF	943	21		Rope	SAMPLED			0																										
944	46.0233946	-89.4925006	186	Star Lake	Vilas	7/27/2017	TWH & CJF	944	7	Rock	Pole	SAMPLED			0																										
945	46.0233909	-89.4916608	530	Star Lake	Vilas	8/2/2017	JLW & JMB	945	19		Rope	SAMPLED			0																										
946	46.0233871	-89.4908211	531	Star Lake	Vilas	8/2/2017	JLW & JMB	946	24		Rope	SAMPLED			0																										
947	46.0233834	-89.4899813	532	Star Lake	Vilas	8/2/2017	JLW & JMB	947	39			DEEP																													
948	46.0233796	-89.4891415	533	Star Lake	Vilas	8/2/2017	JLW & JMB	948	52			DEEP																													
949	46.0233759	-89.4883018	534	Star Lake	Vilas	8/2/2017	JLW & JMB	949	60			DEEP																													

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole, Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
950	46.0233721	-89.487462	0	Star Lake	Vilas			950	0			DEEP																													
951	46.0233684	-89.4866223	0	Star Lake	Vilas			951	0			DEEP																													
952	46.0233646	-89.4857825	0	Star Lake	Vilas			952	0			DEEP																													
953	46.0233608	-89.4849427	0	Star Lake	Vilas			953	0			DEEP																													
954	46.023357	-89.484103	0	Star Lake	Vilas			954	0			DEEP																													
955	46.0233532	-89.4832632	0	Star Lake	Vilas			955	0			DEEP																													
956	46.0233494	-89.4824234	0	Star Lake	Vilas			956	0			DEEP																													
957	46.0233456	-89.4815837	0	Star Lake	Vilas			957	0			DEEP																													
958	46.0233418	-89.4807439	31	Star Lake	Vilas	7/27/2017	TWH & CJF	958	45			DEEP																													
959	46.023338	-89.4799042	32	Star Lake	Vilas	7/27/2017	TWH & CJF	959	30			DEEP																													
960	46.0233342	-89.4790644	33	Star Lake	Vilas	7/27/2017	TWH & CJF	960	28			DEEP																													
961	46.0233303	-89.4782246	34	Star Lake	Vilas	7/27/2017	TWH & CJF	961	30			DEEP																													
962	46.0233265	-89.4773849	35	Star Lake	Vilas	7/27/2017	TWH & CJF	962	20		Rope	SAMPLED			0																										
963	46.0233227	-89.4765451	65	Star Lake	Vilas	7/27/2017	TWH & CJF	963	26			DEEP																													
964	46.0233188	-89.4757054	64	Star Lake	Vilas	7/27/2017	TWH & CJF	964	26			DEEP																													
965	46.0233149	-89.4748656	63	Star Lake	Vilas	7/27/2017	TWH & CJF	965	30			DEEP																													
966	46.0233111	-89.4740258	62	Star Lake	Vilas	7/27/2017	TWH & CJF	966	27			DEEP																													
967	46.0233072	-89.4731861	61	Star Lake	Vilas	7/27/2017	TWH & CJF	967	9	Rock	Pole	SAMPLED			0																										
968	46.0233033	-89.4723463	60	Star Lake	Vilas	7/27/2017	TWH & CJF	968	6	Sand	Pole	SAMPLED			0																										
969	46.0232995	-89.4715066	59	Star Lake	Vilas	7/27/2017	TWH & CJF	969	9	Sand	Pole	SAMPLED			0																										
970	46.0232956	-89.4706668	58	Star Lake	Vilas	7/27/2017	TWH & CJF	970	3	Rock	Pole	SAMPLED			0																										
971	46.0232839	-89.4681475	18	Star Lake	Vilas	7/27/2017	TWH & CJF	971	2	Sand	Pole	SAMPLED			0																										
972	46.02328	-89.4673078	19	Star Lake	Vilas	7/27/2017	TWH & CJF	972	2	Sand	Pole	SAMPLED			0																										
973	46.0232761	-89.466468	20	Star Lake	Vilas	7/27/2017	TWH & CJF	973	0			OTHER	STUMPS																												
974	46.0228208	-89.4950252	180	Star Lake	Vilas	7/27/2017	TWH & CJF	974	17		Rope	SAMPLED			0																										
975	46.0228171	-89.4941855	179	Star Lake	Vilas	7/27/2017	TWH & CJF	975	30			DEEP																													
976	46.0228133	-89.4933457	178	Star Lake	Vilas	7/27/2017	TWH & CJF	976	39			DEEP																													
977	46.0228096	-89.4925059	185	Star Lake	Vilas	7/27/2017	TWH & CJF	977	36			DEEP																													
978	46.0228059	-89.4916662	529	Star Lake	Vilas	8/2/2017	JLW & JMB	978	41			DEEP																													
979	46.0228021	-89.4908264	528	Star Lake	Vilas	8/2/2017	JLW & JMB	979	46			DEEP																													
980	46.0227984	-89.4899867	0	Star Lake	Vilas			980	0			DEEP																													
981	46.0227947	-89.4891469	0	Star Lake	Vilas			981	0			DEEP																													
982	46.0227909	-89.4883072	0	Star Lake	Vilas			982	0			DEEP																													
983	46.0227871	-89.4874674	0	Star Lake	Vilas			983	0			DEEP																													
984	46.0227834	-89.4866277	0	Star Lake	Vilas			984	0			DEEP																													
985	46.0227796	-89.4857879	0	Star Lake	Vilas			985	0			DEEP																													
986	46.0227758	-89.4849482	0	Star Lake	Vilas			986	0			DEEP																													
987	46.022772	-89.4841084	0	Star Lake	Vilas			987	0			DEEP																													
988	46.0227682	-89.4832687	0	Star Lake	Vilas			988	0			DEEP																													
989	46.0227644	-89.4824289	0	Star Lake	Vilas			989	0			DEEP																													
990	46.0227606	-89.4815891	30	Star Lake	Vilas	7/27/2017	TWH & CJF	990	48			DEEP																													
991	46.0227568	-89.4807494	29	Star Lake	Vilas	7/27/2017	TWH & CJF	991	18		Rope	SAMPLED			0																										
992	46.022753	-89.4799096	39	Star Lake	Vilas	7/27/2017	TWH & CJF	992	8	Sand	Pole	SAMPLED			0																										
993	46.0227492	-89.4790699	38	Star Lake	Vilas	7/27/2017	TWH & CJF	993	14	Sand	Pole	SAMPLED			0																										
994	46.0227453	-89.4782301	37	Star Lake	Vilas	7/27/2017	TWH & CJF	994	30			DEEP																													
995	46.0227415	-89.4773904	36	Star Lake	Vilas	7/27/2017	TWH & CJF	995	20		Rope	SAMPLED			0																										
996	46.0227377	-89.4765506	66	Star Lake	Vilas	7/27/2017	TWH & CJF	996	27			DEEP																													
997	46.0227338	-89.4757109	67	Star Lake	Vilas	7/27/2017	TWH & CJF	997	30			DEEP																													
998	46.02273	-89.4748711	68	Star Lake	Vilas	7/27/2017	TWH & CJF	998	31			DEEP																													
999	46.0227261	-89.4740314	69	Star Lake	Vilas	7/27/2017	TWH & CJF	999	11	Rock	Pole	SAMPLED			0																										
1000	46.0227222	-89.4731916	70	Star Lake	Vilas	7/27/2017	TWH & CJF	1000	4	Rock	Pole	SAMPLED			0																										
1001	46.0227183	-89.4723519	71	Star Lake	Vilas	7/27/2017	TWH & CJF	1001	7	Rock	Pole	SAMPLED			0																										
1002	46.0227145	-89.4715121	72	Star Lake	Vilas	7/27/2017	TWH & CJF	1002	6	Rock	Pole	SAMPLED			0																										
1003	46.0222321	-89.4941908	176	Star Lake	Vilas	7/27/2017	TWH & CJF	1003	27			DEEP																													
1004	46.0222283	-89.493351	177	Star Lake	Vilas	7/27/2017	TWH & CJF	1004	43			DEEP																													
1005	46.0222246	-89.4925113	0	Star Lake	Vilas			1005	0			DEEP																													
1006	46.0222209	-89.4916716	0	Star Lake	Vilas			1006	0			DEEP																													
1007	46.0222172	-89.4908318	0	Star Lake	Vilas			1007	0			DEEP																													
1008	46.0222134	-89.4899921	0	Star Lake	Vilas			1008	0			DEEP																													
1009	46.0222097	-89.4891523	0	Star Lake	Vilas			1009	0			DEEP																													
1010	46.0222059	-89.4883126	0	Star Lake	Vilas			1010	0			DEEP																													
1011	46.0222021	-89.4874728	0	Star Lake	Vilas			1011	0			DEEP																													
1012	46.0221984	-89.4866331	0	Star Lake	Vilas			1012	0			DEEP																													
1013	46.0221946	-89.4857933	0	Star Lake	Vilas			1013	0			DEEP																													
1014	46.0221908	-89.4849536	0	Star Lake	Vilas			1014	0			DEEP																													
1015	46.022187	-89.4841138	0	Star Lake	Vilas			1015	0			DEEP																													
1016	46.0221832	-89.4832741	0	Star Lake	Vilas			1016	0			DEEP																													
1017	46.0221794	-89.4824344	0	Star Lake	Vilas			1017	0			DEEP																													
1018	46.0221756	-89.4815946	0	Star Lake	Vilas			1018	0			DEEP																													
1019	46.0221718	-89.4807549	40	Star Lake	Vilas	7/27/2017	TWH & CJF	1019	31			DEEP																													
1020	46.022168	-89.4799151	41	Star Lake	Vilas	7/27/2017	TWH & CJF	1020	20		Rope	SAMPLED			0																										
1021	46.0221642	-89.4790754	42	Star Lake	Vilas	7/27/2017	TWH & CJF	1021	20		Rope	SAMPLED			0																										
1022	46.0221603	-89.4782356	43	Star Lake	Vilas	7/27/2017	TWH & CJF	1022	32			DEEP																													

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
1023	46.0221565	-89.4773959	44	Star Lake	Vilas	7/27/2017	TWH & CJF	1023	32			DEEP																													
1024	46.0221527	-89.4765562	94	Star Lake	Vilas	7/27/2017	TWH & CJF	1024	0			DEEP																													
1025	46.0221488	-89.4757164	0	Star Lake	Vilas			1025	0			DEEP																													
1026	46.022145	-89.4748767	77	Star Lake	Vilas	7/27/2017	TWH & CJF	1026	30			DEEP																													
1027	46.0221411	-89.4740369	76	Star Lake	Vilas	7/27/2017	TWH & CJF	1027	17		Rope	SAMPLED			0																										
1028	46.0221372	-89.4731972	75	Star Lake	Vilas	7/27/2017	TWH & CJF	1028	7	Rock	Pole	SAMPLED			0																										
1029	46.0221334	-89.4723574	74	Star Lake	Vilas	7/27/2017	TWH & CJF	1029	6	Sand	Pole	SAMPLED			0																										
1030	46.0221295	-89.4715177	73	Star Lake	Vilas	7/27/2017	TWH & CJF	1030	6	Sand	Pole	SAMPLED			0																										
1031	46.0216471	-89.4941961	175	Star Lake	Vilas	7/27/2017	TWH & CJF	1031	0			OTHER	DOWNED TREE																												
1032	46.0216433	-89.4933564	174	Star Lake	Vilas	7/27/2017	TWH & CJF	1032	16		Rope	SAMPLED			0																										
1033	46.0216396	-89.4925167	173	Star Lake	Vilas	7/27/2017	TWH & CJF	1033	46			DEEP																													
1034	46.0216359	-89.4916769	0	Star Lake	Vilas			1034	0			DEEP																													
1035	46.0216322	-89.4908372	0	Star Lake	Vilas			1035	0			DEEP																													
1036	46.0216284	-89.4899974	0	Star Lake	Vilas			1036	0			DEEP																													
1037	46.0216247	-89.4891577	0	Star Lake	Vilas			1037	0			DEEP																													
1038	46.0216209	-89.488318	0	Star Lake	Vilas			1038	0			DEEP																													
1039	46.0216171	-89.4874782	0	Star Lake	Vilas			1039	0			DEEP																													
1040	46.0216134	-89.4866385	0	Star Lake	Vilas			1040	0			DEEP																													
1041	46.0216096	-89.4857988	0	Star Lake	Vilas			1041	0			DEEP																													
1042	46.0216058	-89.484959	0	Star Lake	Vilas			1042	0			DEEP																													
1043	46.021602	-89.4841193	0	Star Lake	Vilas			1043	0			DEEP																													
1044	46.0215982	-89.4832796	0	Star Lake	Vilas			1044	0			DEEP																													
1045	46.0215944	-89.4824398	0	Star Lake	Vilas			1045	0			DEEP																													
1046	46.0215906	-89.4816001	0	Star Lake	Vilas			1046	0			DEEP																													
1047	46.0215868	-89.4807603	47	Star Lake	Vilas	7/27/2017	TWH & CJF	1047	31			DEEP																													
1048	46.021583	-89.4799206	46	Star Lake	Vilas	7/27/2017	TWH & CJF	1048	26			DEEP																													
1049	46.0215792	-89.4790809	45	Star Lake	Vilas	7/27/2017	TWH & CJF	1049	32			DEEP																													
1050	46.0215753	-89.4782411	95	Star Lake	Vilas	7/27/2017	TWH & CJF	1050	0			DEEP																													
1051	46.0215715	-89.4774014	0	Star Lake	Vilas			1051	0			DEEP																													
1052	46.0215677	-89.4765617	0	Star Lake	Vilas			1052	0			DEEP																													
1053	46.0215638	-89.4757219	0	Star Lake	Vilas			1053	0			DEEP																													
1054	46.02156	-89.4748822	78	Star Lake	Vilas	7/27/2017	TWH & CJF	1054	30			DEEP																													
1055	46.0215561	-89.4740425	79	Star Lake	Vilas	7/27/2017	TWH & CJF	1055	11	Rock	Pole	SAMPLED			0																										
1056	46.0215522	-89.4732027	80	Star Lake	Vilas	7/27/2017	TWH & CJF	1056	17	Sand	Pole	SAMPLED			0																										
1057	46.0215484	-89.472363	81	Star Lake	Vilas	7/27/2017	TWH & CJF	1057	16	Sand	Pole	SAMPLED			0																										
1058	46.0215445	-89.4715233	82	Star Lake	Vilas	7/27/2017	TWH & CJF	1058	4	Rock	Pole	SAMPLED			0																										
1059	46.0210584	-89.4933617	172	Star Lake	Vilas	7/27/2017	TWH & CJF	1059	17		Rope	SAMPLED			0																										
1060	46.0210546	-89.492522	171	Star Lake	Vilas	7/27/2017	TWH & CJF	1060	49			DEEP																													
1061	46.0210509	-89.4916823	0	Star Lake	Vilas			1061	0			DEEP																													
1062	46.0210472	-89.4908425	0	Star Lake	Vilas			1062	0			DEEP																													
1063	46.0210434	-89.4900028	0	Star Lake	Vilas			1063	0			DEEP																													
1064	46.0210397	-89.4891631	0	Star Lake	Vilas			1064	0			DEEP																													
1065	46.0210359	-89.4883234	0	Star Lake	Vilas			1065	0			DEEP																													
1066	46.0210321	-89.4874836	0	Star Lake	Vilas			1066	0			DEEP																													
1067	46.0210284	-89.4866439	0	Star Lake	Vilas			1067	0			DEEP																													
1068	46.0210246	-89.4858042	0	Star Lake	Vilas			1068	0			DEEP																													
1069	46.0210208	-89.4849645	0	Star Lake	Vilas			1069	0			DEEP																													
1070	46.021017	-89.4841247	136	Star Lake	Vilas	7/27/2017	TWH & CJF	1070	43			DEEP																													
1071	46.0210132	-89.483285	0	Star Lake	Vilas			1071	0			DEEP																													
1072	46.0210094	-89.4824453	0	Star Lake	Vilas			1072	0			DEEP																													
1073	46.0210056	-89.4816056	0	Star Lake	Vilas			1073	0			DEEP																													
1074	46.0210018	-89.4807658	118	Star Lake	Vilas	7/27/2017	TWH & CJF	1074	40			DEEP																													
1075	46.020998	-89.4799261	116	Star Lake	Vilas	7/27/2017	TWH & CJF	1075	11	Rock	Pole	SAMPLED			0																										
1076	46.0209942	-89.4790864	117	Star Lake	Vilas	7/27/2017	TWH & CJF	1076	34			DEEP																													
1077	46.0209903	-89.4782466	0	Star Lake	Vilas			1077	0			DEEP																													
1078	46.0209865	-89.4774069	0	Star Lake	Vilas			1078	0			DEEP																													
1079	46.0209827	-89.4765672	0	Star Lake	Vilas			1079	0			DEEP																													
1080	46.0209788	-89.4757275	0	Star Lake	Vilas			1080	0			DEEP																													
1081	46.020975	-89.4748877	0	Star Lake	Vilas			1081	0			DEEP																													
1082	46.0209711	-89.474048	86	Star Lake	Vilas	7/27/2017	TWH & CJF	1082	26			DEEP																													
1083	46.0209672	-89.4732083	85	Star Lake	Vilas	7/27/2017	TWH & CJF	1083	25		Rope	SAMPLED			0																										
1084	46.0209634	-89.4723686	84	Star Lake	Vilas	7/27/2017	TWH & CJF	1084	23		Rope	SAMPLED			0																										
1085	46.0209595	-89.4715288	83	Star Lake	Vilas	7/27/2017	TWH & CJF	1085	7	Rock	Pole	SAMPLED			0																										
1086	46.0204771	-89.4942068	169	Star Lake	Vilas	7/27/2017	TWH & CJF	1086	8	Rock	Pole	SAMPLED			0																										
1087	46.0204734	-89.4933671	170	Star Lake	Vilas	7/27/2017	TWH & CJF	1087	39			DEEP																													
1088	46.0204696	-89.4925274	0	Star Lake	Vilas			1088	0			DEEP																													
1089	46.0204659	-89.4916876	0	Star Lake	Vilas			1089	0			DEEP																													
1090	46.0204622	-89.4908479	0	Star Lake	Vilas			1090	0			DEEP																													
1091	46.0204584	-89.4900082	0	Star Lake	Vilas			1091	0			DEEP																													
1092	46.0204547	-89.4891685	0	Star Lake	Vilas			1092	0			DEEP																													
1093	46.0204509	-89.4883288	0	Star Lake	Vilas			1093	0			DEEP																													
1094	46.0204471	-89.487489	0	Star Lake	Vilas			1094	0			DEEP																													
1095	46.0204434	-89.4866493	0	Star Lake	Vilas			1095	0			DEEP																													

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole, Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosterformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
1096	46.0204396	-89.4858096	147	Star Lake	Vilas	7/27/2017	TWH & CJF	1096	42			DEEP																													
1097	46.0204358	-89.4849699	146	Star Lake	Vilas	7/27/2017	TWH & CJF	1097	40			DEEP																													
1098	46.020432	-89.4841302	135	Star Lake	Vilas	7/27/2017	TWH & CJF	1098	18		Rope	SAMPLED			0																										
1099	46.0204282	-89.4832905	134	Star Lake	Vilas	7/27/2017	TWH & CJF	1099	35			DEEP																													
1100	46.0204244	-89.4824507	126	Star Lake	Vilas	7/27/2017	TWH & CJF	1100	26			DEEP																													
1101	46.0204206	-89.481611	125	Star Lake	Vilas	7/27/2017	TWH & CJF	1101	30			DEEP																													
1102	46.0204168	-89.4807713	119	Star Lake	Vilas	7/27/2017	TWH & CJF	1102	34			DEEP																													
1103	46.020413	-89.4799316	115	Star Lake	Vilas	7/27/2017	TWH & CJF	1103	26			DEEP																													
1104	46.0204092	-89.4790919	111	Star Lake	Vilas	7/27/2017	TWH & CJF	1104	32			DEEP																													
1105	46.0204054	-89.4782522	110	Star Lake	Vilas	7/27/2017	TWH & CJF	1105	35			DEEP																													
1106	46.0204015	-89.4774124	107	Star Lake	Vilas	7/27/2017	TWH & CJF	1106	35			DEEP																													
1107	46.0203977	-89.4765727	106	Star Lake	Vilas	7/27/2017	TWH & CJF	1107	35			DEEP																													
1108	46.0203938	-89.475733	103	Star Lake	Vilas	7/27/2017	TWH & CJF	1108	27			DEEP																													
1109	46.02039	-89.4748933	102	Star Lake	Vilas	7/27/2017	TWH & CJF	1109	33			DEEP																													
1110	46.0203861	-89.4740536	87	Star Lake	Vilas	7/27/2017	TWH & CJF	1110	29			DEEP																													
1111	46.0203822	-89.4732139	88	Star Lake	Vilas	7/27/2017	TWH & CJF	1111	23		Rope	SAMPLED			0																										
1112	46.0203784	-89.4723741	89	Star Lake	Vilas	7/27/2017	TWH & CJF	1112	25		Rope	SAMPLED			0																										
1113	46.0203745	-89.4715344	90	Star Lake	Vilas	7/27/2017	TWH & CJF	1113	5	Rock	Pole	SAMPLED			0																										
1114	46.0198921	-89.4942121	167	Star Lake	Vilas	7/27/2017	TWH & CJF	1114	20		Rope	SAMPLED			0																										
1115	46.0198884	-89.4933724	166	Star Lake	Vilas	7/27/2017	TWH & CJF	1115	35			DEEP																													
1116	46.0198846	-89.4925327	165	Star Lake	Vilas	7/27/2017	TWH & CJF	1116	44			DEEP																													
1117	46.0198809	-89.491693	0	Star Lake	Vilas			1117	0			DEEP																													
1118	46.0198772	-89.4908533	0	Star Lake	Vilas			1118	0			DEEP																													
1119	46.0198734	-89.4900136	0	Star Lake	Vilas			1119	0			DEEP																													
1120	46.0198697	-89.4891739	0	Star Lake	Vilas			1120	0			DEEP																													
1121	46.0198659	-89.4883342	0	Star Lake	Vilas			1121	0			DEEP																													
1122	46.0198621	-89.4874944	0	Star Lake	Vilas			1122	0			DEEP																													
1123	46.0198584	-89.4866547	0	Star Lake	Vilas			1123	0			DEEP																													
1124	46.0198546	-89.485815	148	Star Lake	Vilas	7/27/2017	TWH & CJF	1124	41			DEEP																													
1125	46.0198508	-89.4849753	145	Star Lake	Vilas	7/27/2017	TWH & CJF	1125	30			DEEP																													
1126	46.019847	-89.4841356	137	Star Lake	Vilas	7/27/2017	TWH & CJF	1126	24		Rope	SAMPLED			0																										
1127	46.0198432	-89.4832959	133	Star Lake	Vilas	7/27/2017	TWH & CJF	1127	11	Rock	Pole	SAMPLED			0																										
1128	46.0198394	-89.4824562	127	Star Lake	Vilas	7/27/2017	TWH & CJF	1128	13	Sand	Pole	SAMPLED			0																										
1129	46.0198356	-89.4816165	124	Star Lake	Vilas	7/27/2017	TWH & CJF	1129	22		Rope	SAMPLED			0																										
1130	46.0198318	-89.4807768	120	Star Lake	Vilas	7/27/2017	TWH & CJF	1130	16	Sand	Pole	SAMPLED			0																										
1131	46.019828	-89.4799371	114	Star Lake	Vilas	7/27/2017	TWH & CJF	1131	24		Rope	SAMPLED			0																										
1132	46.0198242	-89.4790974	112	Star Lake	Vilas	7/27/2017	TWH & CJF	1132	18		Rope	SAMPLED			0																										
1133	46.0198204	-89.4782577	109	Star Lake	Vilas	7/27/2017	TWH & CJF	1133	19		Rope	SAMPLED			0																										
1134	46.0198165	-89.4774179	108	Star Lake	Vilas	7/27/2017	TWH & CJF	1134	23		Rope	SAMPLED			0																										
1135	46.0198127	-89.4765782	105	Star Lake	Vilas	7/27/2017	TWH & CJF	1135	17		Rope	SAMPLED			0																										
1136	46.0198088	-89.4757385	104	Star Lake	Vilas	7/27/2017	TWH & CJF	1136	23		Rope	SAMPLED			0																										
1137	46.019805	-89.4748988	101	Star Lake	Vilas	7/27/2017	TWH & CJF	1137	24		Rope	SAMPLED			0																										
1138	46.0198011	-89.4740591	98	Star Lake	Vilas	7/27/2017	TWH & CJF	1138	27			DEEP																													
1139	46.0197972	-89.4732194	97	Star Lake	Vilas	7/27/2017	TWH & CJF	1139	24		Rope	SAMPLED			0																										
1140	46.0197934	-89.4723797	91	Star Lake	Vilas	7/27/2017	TWH & CJF	1140	18		Rope	SAMPLED			0																										
1141	46.0193071	-89.4942175	168	Star Lake	Vilas	7/27/2017	TWH & CJF	1141	0			TERRESTRIAL																													
1142	46.0192959	-89.4916984	164	Star Lake	Vilas	7/27/2017	TWH & CJF	1142	32			DEEP																													
1143	46.0192922	-89.4908587	163	Star Lake	Vilas	7/27/2017	TWH & CJF	1143	40			DEEP																													
1144	46.0192884	-89.490019	162	Star Lake	Vilas	7/27/2017	TWH & CJF	1144	37			DEEP																													
1145	46.0192847	-89.4891793	0	Star Lake	Vilas			1145	0			DEEP																													
1146	46.0192809	-89.4883396	0	Star Lake	Vilas			1146	0			DEEP																													
1147	46.0192772	-89.4874999	0	Star Lake	Vilas			1147	0			DEEP																													
1148	46.0192734	-89.4866602	0	Star Lake	Vilas			1148	0			DEEP																													
1149	46.0192696	-89.4858205	149	Star Lake	Vilas	7/27/2017	TWH & CJF	1149	30			DEEP																													
1150	46.0192658	-89.4849808	144	Star Lake	Vilas	7/27/2017	TWH & CJF	1150	23		Rope	SAMPLED			0																										
1151	46.019262	-89.4841411	138	Star Lake	Vilas	7/27/2017	TWH & CJF	1151	22		Rope	SAMPLED			0																										
1152	46.0192582	-89.4833014	132	Star Lake	Vilas	7/27/2017	TWH & CJF	1152	13	Rock	Pole	SAMPLED			0																										
1153	46.0192544	-89.4824617	128	Star Lake	Vilas	7/27/2017	TWH & CJF	1153	18		Rope	SAMPLED			0																										
1154	46.0192506	-89.481622	123	Star Lake	Vilas	7/27/2017	TWH & CJF	1154	16		Rope	SAMPLED			0																										
1155	46.0192468	-89.4807823	121	Star Lake	Vilas	7/27/2017	TWH & CJF	1155	7	Sand	Pole	SAMPLED			0																										
1156	46.019243	-89.4799426	113	Star Lake	Vilas	7/27/2017	TWH & CJF	1156	5	Rock	Pole	SAMPLED			0																										
1157	46.01922	-89.4749044	100	Star Lake	Vilas	7/27/2017	TWH & CJF	1157	13	Rock	Pole	SAMPLED			0																										
1158	46.0192161	-89.4740647	99	Star Lake	Vilas	7/27/2017	TWH & CJF	1158	26			DEEP																													
1159	46.0192122	-89.473225	96	Star Lake	Vilas	7/27/2017	TWH & CJF	1159	23		Rope	SAMPLED			0																										
1160	46.0192084	-89.4723853	92	Star Lake	Vilas	7/27/2017	TWH & CJF	1160	6	Rock	Pole	SAMPLED			0																										
1161	46.0187034	-89.4900243	161	Star Lake	Vilas	7/27/2017	TWH & CJF	1161	27			DEEP																													
1162	46.0186997	-89.4891846	160	Star Lake	Vilas	7/27/2017	TWH & CJF	1162	37			DEEP																													
1163	46.0186959	-89.488345	0	Star Lake	Vilas			1163	0			DEEP																													
1164	46.0186922	-89.4875053	156	Star Lake	Vilas	7/27/2017	TWH & CJF	1164	48			DEEP																													
1165	46.0186884	-89.4866656	0	Star Lake	Vilas			1165	0			DEEP																													
1166	46.0186846	-89.4858259	150	Star Lake	Vilas	7/27/2017	TWH & CJF	1166	39			DEEP																													
1167	46.0186808	-89.4849862	143	Star Lake	Vilas	7/27/2017	TWH & CJF	1167	30			DEEP																													
1168	46.018677	-89.4841465	139	Star Lake	Vilas	7/27/2017	TWH & CJF	1168	7	Rock	Pole	SAMPLED			0																										

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole, Rope	Comments	Notes	Nuisance	Total Rake Fullness	Bidens beckii	Ceratophyllum demersum	Chara spp.	Eleocharis acicularis	Elodea canadensis	Isoetes spp.	Myriophyllum sibiricum	Myriophyllum tenellum	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton foliosus	Potamogeton gramineus	Potamogeton pusillus	Potamogeton richardsonii	Potamogeton robbinsii	Potamogeton spirillus	Potamogeton zosteriformis	Sagittaria cristata	Schoenoplectus acutus	Vallisneria americana	Freshwater sponge	Filamentous algae
1169	46.0186733	-89.4833068	131	Star Lake	Vilas	7/27/2017	TWH & CJF	1169	4	Rock	Pole	SAMPLED			0																										
1170	46.0186695	-89.4824671	129	Star Lake	Vilas	7/27/2017	TWH & CJF	1170	5	Sand	Pole	SAMPLED			0																										
1171	46.0186656	-89.4816274	122	Star Lake	Vilas	7/27/2017	TWH & CJF	1171	1	Sand	Pole	SAMPLED			0																										
1172	46.0186273	-89.4732305	93	Star Lake	Vilas	7/27/2017	TWH & CJF	1172	5	Rock	Pole	SAMPLED			0																										
1173	46.0181147	-89.48919	159	Star Lake	Vilas	7/27/2017	TWH & CJF	1173	10	Rock	Pole	SAMPLED			0																										
1174	46.0181109	-89.4883503	158	Star Lake	Vilas	7/27/2017	TWH & CJF	1174	30			DEEP																													
1175	46.0181072	-89.4875107	155	Star Lake	Vilas	7/27/2017	TWH & CJF	1175	22		Rope	SAMPLED			0																										
1176	46.0181034	-89.486671	154	Star Lake	Vilas	7/27/2017	TWH & CJF	1176	30			DEEP																													
1177	46.0180996	-89.4858313	151	Star Lake	Vilas	7/27/2017	TWH & CJF	1177	24		Rope	SAMPLED			0																										
1178	46.0180958	-89.4849916	142	Star Lake	Vilas	7/27/2017	TWH & CJF	1178	19		Rope	SAMPLED			0																										
1179	46.018092	-89.4841519	140	Star Lake	Vilas	7/27/2017	TWH & CJF	1179	9	Sand	Pole	SAMPLED			0																										
1180	46.0180883	-89.4833122	130	Star Lake	Vilas	7/27/2017	TWH & CJF	1180	2	Sand	Pole	SAMPLED			0																										
1181	46.0175222	-89.4875161	157	Star Lake	Vilas	7/27/2017	TWH & CJF	1181	3	Rock	Pole	SAMPLED			0																										
1182	46.0175184	-89.4866764	153	Star Lake	Vilas	7/27/2017	TWH & CJF	1182	6	Sand	Pole	SAMPLED			0																										
1183	46.0175146	-89.4858367	152	Star Lake	Vilas	7/27/2017	TWH & CJF	1183	7	Sand	Pole	SAMPLED			0																										
1184	46.0175108	-89.484997	141	Star Lake	Vilas	7/27/2017	TWH & CJF	1184	13	Sand	Pole	SAMPLED			0																										

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Chara spp.	Elodea canadensis	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton folious	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Vallisneria americana	Filamentous algae
1			179	Little Star Lake	Vilas	8/3/2017	TWH & AMS	1	3	Muck	Pole	SAMPLED			3	3												
2			180	Little Star Lake	Vilas	8/3/2017	TWH & AMS	2	4	Muck	Pole	SAMPLED			1		1	1	1									
3			181	Little Star Lake	Vilas	8/3/2017	TWH & AMS	3	5	Muck	Pole	SAMPLED			1			1										
4			182	Little Star Lake	Vilas	8/3/2017	TWH & AMS	4	4	Muck	Pole	SAMPLED			3				3									
5			183	Little Star Lake	Vilas	8/3/2017	TWH & AMS	5	5	Muck	Pole	SAMPLED			3			1	1								3	
6			184	Little Star Lake	Vilas	8/3/2017	TWH & AMS	6	5	Muck	Pole	SAMPLED			2												2	
7			185	Little Star Lake	Vilas	8/3/2017	TWH & AMS	7	4	Muck	Pole	SAMPLED			2				1		1						2	
8			186	Little Star Lake	Vilas	8/3/2017	TWH & AMS	8	2	Muck	Pole	SAMPLED			2	1	1										1	
9			178	Little Star Lake	Vilas	8/3/2017	TWH & AMS	9	2	Muck	Pole	SAMPLED			0													1
10			177	Little Star Lake	Vilas	8/3/2017	TWH & AMS	10	2	Muck	Pole	SAMPLED			1		1				1					1		
11			176	Little Star Lake	Vilas	8/3/2017	TWH & AMS	11	3	Muck	Pole	SAMPLED			3	3	1					1						
12			175	Little Star Lake	Vilas	8/3/2017	TWH & AMS	12	4	Muck	Pole	SAMPLED			2	1			2	1								
13			174	Little Star Lake	Vilas	8/3/2017	TWH & AMS	13	5	Muck	Pole	SAMPLED			2				2									
14			173	Little Star Lake	Vilas	8/3/2017	TWH & AMS	14	6	Muck	Pole	SAMPLED			0													
15			172	Little Star Lake	Vilas	8/3/2017	TWH & AMS	15	7	Muck	Pole	SAMPLED			0													
16			171	Little Star Lake	Vilas	8/3/2017	TWH & AMS	16	7	Muck	Pole	SAMPLED			0													
17			170	Little Star Lake	Vilas	8/3/2017	TWH & AMS	17	7	Muck	Pole	SAMPLED			0													
18			169	Little Star Lake	Vilas	8/3/2017	TWH & AMS	18	7	Muck	Pole	SAMPLED			0													
19			168	Little Star Lake	Vilas	8/3/2017	TWH & AMS	19	5	Sand	Pole	SAMPLED			1			1										
20			167	Little Star Lake	Vilas	8/3/2017	TWH & AMS	20	6	Muck	Pole	SAMPLED			0													
21			166	Little Star Lake	Vilas	8/3/2017	TWH & AMS	21	2	Sand	Pole	SAMPLED			2	2		1										
22			155	Little Star Lake	Vilas	8/3/2017	TWH & AMS	22	2	Muck	Pole	SAMPLED			2	2	3											
23			156	Little Star Lake	Vilas	8/3/2017	TWH & AMS	23	5	Muck	Pole	SAMPLED			2			1	2									
24			157	Little Star Lake	Vilas	8/3/2017	TWH & AMS	24	6	Muck	Pole	SAMPLED			0													
25			158	Little Star Lake	Vilas	8/3/2017	TWH & AMS	25	7	Muck	Pole	SAMPLED			0													
26			159	Little Star Lake	Vilas	8/3/2017	TWH & AMS	26	7	Muck	Pole	SAMPLED			0													
27			160	Little Star Lake	Vilas	8/3/2017	TWH & AMS	27	8	Muck	Pole	SAMPLED			0													
28			161	Little Star Lake	Vilas	8/3/2017	TWH & AMS	28	8	Muck	Pole	SAMPLED			0													
29			162	Little Star Lake	Vilas	8/3/2017	TWH & AMS	29	8	Muck	Pole	SAMPLED			0													
30			163	Little Star Lake	Vilas	8/3/2017	TWH & AMS	30	7	Muck	Pole	SAMPLED			0													
31			164	Little Star Lake	Vilas	8/3/2017	TWH & AMS	31	6	Muck	Pole	SAMPLED			3		1										3	
32			165	Little Star Lake	Vilas	8/3/2017	TWH & AMS	32	4	Muck	Pole	SAMPLED			3				1			1	1				2	
33			154	Little Star Lake	Vilas	8/3/2017	TWH & AMS	33	3	Sand	Pole	SAMPLED			1			1	1								1	
34			153	Little Star Lake	Vilas	8/3/2017	TWH & AMS	34	6	Muck	Pole	SAMPLED			0													
35			152	Little Star Lake	Vilas	8/3/2017	TWH & AMS	35	7	Muck	Pole	SAMPLED			0													
36			151	Little Star Lake	Vilas	8/3/2017	TWH & AMS	36	8	Muck	Pole	SAMPLED			0													
37			150	Little Star Lake	Vilas	8/3/2017	TWH & AMS	37	9	Muck	Pole	SAMPLED			0													
38			149	Little Star Lake	Vilas	8/3/2017	TWH & AMS	38	9	Muck	Pole	SAMPLED			0													
39			148	Little Star Lake	Vilas	8/3/2017	TWH & AMS	39	9	Muck	Pole	SAMPLED			0													
40			147	Little Star Lake	Vilas	8/3/2017	TWH & AMS	40	9	Muck	Pole	SAMPLED			0													
41			146	Little Star Lake	Vilas	8/3/2017	TWH & AMS	41	8	Muck	Pole	SAMPLED			0													
42			145	Little Star Lake	Vilas	8/3/2017	TWH & AMS	42	8	Muck	Pole	SAMPLED			0													
43			144	Little Star Lake	Vilas	8/3/2017	TWH & AMS	43	8	Muck	Pole	SAMPLED			0													
44			143	Little Star Lake	Vilas	8/3/2017	TWH & AMS	44	3	Muck	Pole	SAMPLED			2	1	1	1	1								1	
45			129	Little Star Lake	Vilas	8/3/2017	TWH & AMS	45	2	Sand	Pole	SAMPLED			2		1			1						1		
46			130	Little Star Lake	Vilas	8/3/2017	TWH & AMS	46	5	Muck	Pole	SAMPLED			2		1		1			1						
47			131	Little Star Lake	Vilas	8/3/2017	TWH & AMS	47	7	Muck	Pole	SAMPLED			0													
48			132	Little Star Lake	Vilas	8/3/2017	TWH & AMS	48	7	Muck	Pole	SAMPLED			0													
49			133	Little Star Lake	Vilas	8/3/2017	TWH & AMS	49	7	Muck	Pole	SAMPLED			0													
50			134	Little Star Lake	Vilas	8/3/2017	TWH & AMS	50	8	Muck	Pole	SAMPLED			0													
51			135	Little Star Lake	Vilas	8/3/2017	TWH & AMS	51	9	Muck	Pole	SAMPLED			0													
52			136	Little Star Lake	Vilas	8/3/2017	TWH & AMS	52	9	Rock	Pole	SAMPLED			0													
53			137	Little Star Lake	Vilas	8/3/2017	TWH & AMS	53	9	Muck	Pole	SAMPLED			0													

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54			138	Little Star Lake	Vilas	8/3/2017	TWH & AMS	54	10	Muck	Pole	SAMPLED			0													
55			139	Little Star Lake	Vilas	8/3/2017	TWH & AMS	55	9	Muck	Pole	SAMPLED			0													
56			140	Little Star Lake	Vilas	8/3/2017	TWH & AMS	56	9	Muck	Pole	SAMPLED			0													
57			141	Little Star Lake	Vilas	8/3/2017	TWH & AMS	57	8	Muck	Pole	SAMPLED			0													
58			142	Little Star Lake	Vilas	8/3/2017	TWH & AMS	58	6	Muck	Pole	SAMPLED			3												3	
59			128	Little Star Lake	Vilas	8/3/2017	TWH & AMS	59	4	Muck	Pole	SAMPLED			0													
60			127	Little Star Lake	Vilas	8/3/2017	TWH & AMS	60	6	Muck	Pole	SAMPLED			1		1					1						
61			126	Little Star Lake	Vilas	8/3/2017	TWH & AMS	61	7	Muck	Pole	SAMPLED			0													
62			125	Little Star Lake	Vilas	8/3/2017	TWH & AMS	62	8	Muck	Pole	SAMPLED			0													
63			124	Little Star Lake	Vilas	8/3/2017	TWH & AMS	63	9	Muck	Pole	SAMPLED			0													
64			123	Little Star Lake	Vilas	8/3/2017	TWH & AMS	64	9	Muck	Pole	SAMPLED			0													
65			122	Little Star Lake	Vilas	8/3/2017	TWH & AMS	65	9	Muck	Pole	SAMPLED			0													
66			121	Little Star Lake	Vilas	8/3/2017	TWH & AMS	66	10	Muck	Pole	SAMPLED			0													
67			120	Little Star Lake	Vilas	8/3/2017	TWH & AMS	67	10	Muck	Pole	SAMPLED			0													
68			119	Little Star Lake	Vilas	8/3/2017	TWH & AMS	68	10	Muck	Pole	SAMPLED			0													
69			118	Little Star Lake	Vilas	8/3/2017	TWH & AMS	69	10	Muck	Pole	SAMPLED			0													
70			117	Little Star Lake	Vilas	8/3/2017	TWH & AMS	70	10	Muck	Pole	SAMPLED			0													
71			116	Little Star Lake	Vilas	8/3/2017	TWH & AMS	71	9	Muck	Pole	SAMPLED			0													
72			115	Little Star Lake	Vilas	8/3/2017	TWH & AMS	72	8	Muck	Pole	SAMPLED			0													
73			114	Little Star Lake	Vilas	8/3/2017	TWH & AMS	73	7	Sand	Pole	SAMPLED			0													
74			99	Little Star Lake	Vilas	8/3/2017	TWH & AMS	74	6	Muck	Pole	SAMPLED			0													
75			100	Little Star Lake	Vilas	8/3/2017	TWH & AMS	75	8	Muck	Pole	SAMPLED			0													
76			101	Little Star Lake	Vilas	8/3/2017	TWH & AMS	76	8	Muck	Pole	SAMPLED			0													
77			102	Little Star Lake	Vilas	8/3/2017	TWH & AMS	77	9	Muck	Pole	SAMPLED			0													
78			103	Little Star Lake	Vilas	8/3/2017	TWH & AMS	78	9	Muck	Pole	SAMPLED			0													
79			104	Little Star Lake	Vilas	8/3/2017	TWH & AMS	79	9	Muck	Pole	SAMPLED			0													
80			105	Little Star Lake	Vilas	8/3/2017	TWH & AMS	80	10	Muck	Pole	SAMPLED			0													
81			106	Little Star Lake	Vilas	8/3/2017	TWH & AMS	81	10	Muck	Pole	SAMPLED			0													
82			107	Little Star Lake	Vilas	8/3/2017	TWH & AMS	82	10	Muck	Pole	SAMPLED			0													
83			108	Little Star Lake	Vilas	8/3/2017	TWH & AMS	83	10	Muck	Pole	SAMPLED			0													
84			109	Little Star Lake	Vilas	8/3/2017	TWH & AMS	84	10	Muck	Pole	SAMPLED			0													
85			110	Little Star Lake	Vilas	8/3/2017	TWH & AMS	85	9	Muck	Pole	SAMPLED			0													
86			111	Little Star Lake	Vilas	8/3/2017	TWH & AMS	86	9	Muck	Pole	SAMPLED			0													
87			112	Little Star Lake	Vilas	8/3/2017	TWH & AMS	87	8	Muck	Pole	SAMPLED			0													
88			113	Little Star Lake	Vilas	8/3/2017	TWH & AMS	88	6	Muck	Pole	SAMPLED			0													
89			98	Little Star Lake	Vilas	8/3/2017	TWH & AMS	89	1	Sand	Pole	SAMPLED			0													
90			97	Little Star Lake	Vilas	8/3/2017	TWH & AMS	90	5	Muck	Pole	SAMPLED			3												3	
91			96	Little Star Lake	Vilas	8/3/2017	TWH & AMS	91	7	Muck	Pole	SAMPLED			0													
92			95	Little Star Lake	Vilas	8/3/2017	TWH & AMS	92	8	Muck	Pole	SAMPLED			0													
93			94	Little Star Lake	Vilas	8/3/2017	TWH & AMS	93	8	Muck	Pole	SAMPLED			0													
94			93	Little Star Lake	Vilas	8/3/2017	TWH & AMS	94	9	Muck	Pole	SAMPLED			0													
95			92	Little Star Lake	Vilas	8/3/2017	TWH & AMS	95	9	Muck	Pole	SAMPLED			0													
96			91	Little Star Lake	Vilas	8/3/2017	TWH & AMS	96	9	Muck	Pole	SAMPLED			0													
97			90	Little Star Lake	Vilas	8/3/2017	TWH & AMS	97	10	Muck	Pole	SAMPLED			0													
98			89	Little Star Lake	Vilas	8/3/2017	TWH & AMS	98	10	Muck	Pole	SAMPLED			0													
99			88	Little Star Lake	Vilas	8/3/2017	TWH & AMS	99	10	Muck	Pole	SAMPLED			0													
100			87	Little Star Lake	Vilas	8/3/2017	TWH & AMS	100	10	Muck	Pole	SAMPLED			0													
101			86	Little Star Lake	Vilas	8/3/2017	TWH & AMS	101	10	Muck	Pole	SAMPLED			0													
102			85	Little Star Lake	Vilas	8/3/2017	TWH & AMS	102	10	Muck	Pole	SAMPLED			0													
103			84	Little Star Lake	Vilas	8/3/2017	TWH & AMS	103	9	Muck	Pole	SAMPLED			0													
104			83	Little Star Lake	Vilas	8/3/2017	TWH & AMS	104	4	Muck	Pole	SAMPLED			3	1		1	1				1		1		3	
105			70	Little Star Lake	Vilas	8/3/2017	TWH & AMS	105	7	Muck	Pole	SAMPLED			0													
106			71	Little Star Lake	Vilas	8/3/2017	TWH & AMS	106	8	Muck	Pole	SAMPLED			0													

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107			72	Little Star Lake	Vilas	8/3/2017	TWH & AMS	107	9	Muck	Pole	SAMPLED			0													
108			73	Little Star Lake	Vilas	8/3/2017	TWH & AMS	108	9	Muck	Pole	SAMPLED			0													
109			74	Little Star Lake	Vilas	8/3/2017	TWH & AMS	109	9	Muck	Pole	SAMPLED			0													
110			75	Little Star Lake	Vilas	8/3/2017	TWH & AMS	110	10	Muck	Pole	SAMPLED			0													
111			76	Little Star Lake	Vilas	8/3/2017	TWH & AMS	111	10	Muck	Pole	SAMPLED			0													
112			77	Little Star Lake	Vilas	8/3/2017	TWH & AMS	112	10	Muck	Pole	SAMPLED			0													
113			78	Little Star Lake	Vilas	8/3/2017	TWH & AMS	113	10	Muck	Pole	SAMPLED			0													
114			79	Little Star Lake	Vilas	8/3/2017	TWH & AMS	114	10	Muck	Pole	SAMPLED			0													
115			80	Little Star Lake	Vilas	8/3/2017	TWH & AMS	115	10	Muck	Pole	SAMPLED			0													
116			81	Little Star Lake	Vilas	8/3/2017	TWH & AMS	116	9	Muck	Pole	SAMPLED			0													
117			82	Little Star Lake	Vilas	8/3/2017	TWH & AMS	117	9	Muck	Pole	SAMPLED			0													
118			69	Little Star Lake	Vilas	8/3/2017	TWH & AMS	118	7	Muck	Pole	SAMPLED			0													
119			68	Little Star Lake	Vilas	8/3/2017	TWH & AMS	119	7	Sand	Pole	SAMPLED			0													
120			67	Little Star Lake	Vilas	8/3/2017	TWH & AMS	120	8	Rock	Pole	SAMPLED			0													
121			66	Little Star Lake	Vilas	8/3/2017	TWH & AMS	121	9	Muck	Pole	SAMPLED			0													
122			65	Little Star Lake	Vilas	8/3/2017	TWH & AMS	122	11	Muck	Pole	SAMPLED			0													
123			64	Little Star Lake	Vilas	8/3/2017	TWH & AMS	123	10	Muck	Pole	SAMPLED			0													
124			63	Little Star Lake	Vilas	8/3/2017	TWH & AMS	124	11	10	Pole	SAMPLED			0													
125			62	Little Star Lake	Vilas	8/3/2017	TWH & AMS	125	11	Muck	Pole	SAMPLED			0													
126			61	Little Star Lake	Vilas	8/3/2017	TWH & AMS	126	10	Muck	Pole	SAMPLED			0													
127			60	Little Star Lake	Vilas	8/3/2017	TWH & AMS	127	10	Muck	Pole	SAMPLED			0													
128			59	Little Star Lake	Vilas	8/3/2017	TWH & AMS	128	9	Muck	Pole	SAMPLED			0													
129			58	Little Star Lake	Vilas	8/3/2017	TWH & AMS	129	8	Muck	Pole	SAMPLED			0													
130			46	Little Star Lake	Vilas	8/3/2017	TWH & AMS	130	6	Sand	Pole	SAMPLED			3												3	
131			47	Little Star Lake	Vilas	8/3/2017	TWH & AMS	131	9	Muck	Pole	SAMPLED			0													
132			48	Little Star Lake	Vilas	8/3/2017	TWH & AMS	132	10	Muck	Pole	SAMPLED			0													
133			49	Little Star Lake	Vilas	8/3/2017	TWH & AMS	133	10	Muck	Pole	SAMPLED			0													
134			50	Little Star Lake	Vilas	8/3/2017	TWH & AMS	134	11	Muck	Pole	SAMPLED			0													
135			51	Little Star Lake	Vilas	8/3/2017	TWH & AMS	135	11	Muck	Pole	SAMPLED			0													
136			52	Little Star Lake	Vilas	8/3/2017	TWH & AMS	136	10	Muck	Pole	SAMPLED			0													
137			53	Little Star Lake	Vilas	8/3/2017	TWH & AMS	137	10	Muck	Pole	SAMPLED			0													
138			54	Little Star Lake	Vilas	8/3/2017	TWH & AMS	138	10	Muck	Pole	SAMPLED			0													
139			55	Little Star Lake	Vilas	8/3/2017	TWH & AMS	139	9	Muck	Pole	SAMPLED			0													
140			56	Little Star Lake	Vilas	8/3/2017	TWH & AMS	140	8	Muck	Pole	SAMPLED			0													
141			57	Little Star Lake	Vilas	8/3/2017	TWH & AMS	141	3	Muck	Pole	SAMPLED			3	1		1									3	
142			45	Little Star Lake	Vilas	8/3/2017	TWH & AMS	142	4	Sand	Pole	SAMPLED			0													
143			44	Little Star Lake	Vilas	8/3/2017	TWH & AMS	143	9	Muck	Pole	SAMPLED			0													
144			43	Little Star Lake	Vilas	8/3/2017	TWH & AMS	144	11	Muck	Pole	SAMPLED			0													
145			42	Little Star Lake	Vilas	8/3/2017	TWH & AMS	145	11	Muck	Pole	SAMPLED			0													
146			41	Little Star Lake	Vilas	8/3/2017	TWH & AMS	146	11	Muck	Pole	SAMPLED			0													
147			40	Little Star Lake	Vilas	8/3/2017	TWH & AMS	147	10	Muck	Pole	SAMPLED			1												1	
148			39	Little Star Lake	Vilas	8/3/2017	TWH & AMS	148	10	Muck	Pole	SAMPLED			0													
149			38	Little Star Lake	Vilas	8/3/2017	TWH & AMS	149	9	Muck	Pole	SAMPLED			0													
150			37	Little Star Lake	Vilas	8/3/2017	TWH & AMS	150	9	Muck	Pole	SAMPLED			0													
151			36	Little Star Lake	Vilas	8/3/2017	TWH & AMS	151	8	Muck	Pole	SAMPLED			0													
152			35	Little Star Lake	Vilas	8/3/2017	TWH & AMS	152	7	Muck	Pole	SAMPLED			3												3	
153			26	Little Star Lake	Vilas	8/3/2017	TWH & AMS	153	5	Sand	Pole	SAMPLED			0													
154			27	Little Star Lake	Vilas	8/3/2017	TWH & AMS	154	10	Muck	Pole	SAMPLED			0													
155			28	Little Star Lake	Vilas	8/3/2017	TWH & AMS	155	10	Muck	Pole	SAMPLED			0													
156			29	Little Star Lake	Vilas	8/3/2017	TWH & AMS	156	10	Muck	Pole	SAMPLED			0													
157			30	Little Star Lake	Vilas	8/3/2017	TWH & AMS	157	10	Muck	Pole	SAMPLED			0													
158			31	Little Star Lake	Vilas	8/3/2017	TWH & AMS	158	9	Muck	Pole	SAMPLED			0													
159			32	Little Star Lake	Vilas	8/3/2017	TWH & AMS	159	9	Muck	Pole	SAMPLED			0													

Point Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	ID	Lake Name	County	Date	Field Crew	Point Number	Depth (ft)	Sediment	Pole; Rope	Comments	Notes	Nuisance	Total Rake Fullness	Chara spp.	Elodea canadensis	Najas flexilis	Nitella spp.	Nuphar variegata	Nymphaea odorata	Potamogeton amplifolius	Potamogeton folious	Potamogeton robbinsii	Potamogeton vaseyi	Potamogeton zosteriformis	Vallisneria americana	Filamentous algae
160			33	Little Star Lake	Vilas	8/3/2017	TWH & AMS	160	8	Muck	Pole	SAMPLED			0													
161			34	Little Star Lake	Vilas	8/3/2017	TWH & AMS	161	8	Muck	Pole	SAMPLED			0													
162			25	Little Star Lake	Vilas	8/3/2017	TWH & AMS	162	8	Sand	Pole	SAMPLED			0													
163			24	Little Star Lake	Vilas	8/3/2017	TWH & AMS	163	8	Muck	Pole	SAMPLED			0													
164			23	Little Star Lake	Vilas	8/3/2017	TWH & AMS	164	8	Muck	Pole	SAMPLED			0													
165			22	Little Star Lake	Vilas	8/3/2017	TWH & AMS	165	8	Muck	Pole	SAMPLED			0													
166			21	Little Star Lake	Vilas	8/3/2017	TWH & AMS	166	7	Muck	Pole	SAMPLED			0													
167			20	Little Star Lake	Vilas	8/3/2017	TWH & AMS	167	8	Muck	Pole	SAMPLED			0													
168			19	Little Star Lake	Vilas	8/3/2017	TWH & AMS	168	7	Muck	Pole	SAMPLED			0													
169			14	Little Star Lake	Vilas	8/3/2017	TWH & AMS	169	8	Muck	Pole	SAMPLED			0													
170			15	Little Star Lake	Vilas	8/3/2017	TWH & AMS	170	7	Muck	Pole	SAMPLED			0													
171			16	Little Star Lake	Vilas	8/3/2017	TWH & AMS	171	7	Muck	Pole	SAMPLED			0													
172			17	Little Star Lake	Vilas	8/3/2017	TWH & AMS	172	7	Muck	Pole	SAMPLED			0													
173			18	Little Star Lake	Vilas	8/3/2017	TWH & AMS	173	7	Muck	Pole	SAMPLED			0													
174			13	Little Star Lake	Vilas	8/3/2017	TWH & AMS	174	4	Sand	Pole	SAMPLED			2		1	1									2	
175			12	Little Star Lake	Vilas	8/3/2017	TWH & AMS	175	7	Muck	Pole	SAMPLED			0													
176			11	Little Star Lake	Vilas	8/3/2017	TWH & AMS	176	7	Muck	Pole	SAMPLED			0													
177			10	Little Star Lake	Vilas	8/3/2017	TWH & AMS	177	7	Muck	Pole	SAMPLED			0													
178			9	Little Star Lake	Vilas	8/3/2017	TWH & AMS	178	6	Muck	Pole	SAMPLED			0													
179			5	Little Star Lake	Vilas	8/3/2017	TWH & AMS	179	2	Sand	Pole	SAMPLED			3	3				2		1						
180			6	Little Star Lake	Vilas	8/3/2017	TWH & AMS	180	6	Muck	Pole	SAMPLED			1		1						1					
181			7	Little Star Lake	Vilas	8/3/2017	TWH & AMS	181	6	Muck	Pole	SAMPLED			1			1										
182			8	Little Star Lake	Vilas	8/3/2017	TWH & AMS	182	4	Muck	Pole	SAMPLED			3	3			1								2	
183			4	Little Star Lake	Vilas	8/3/2017	TWH & AMS	183	3	Sand	Pole	SAMPLED			2					2			1				1	
184			3	Little Star Lake	Vilas	8/3/2017	TWH & AMS	184	5	Muck	Pole	SAMPLED			1			1										
185			2	Little Star Lake	Vilas	8/3/2017	TWH & AMS	185	5	Muck	Pole	SAMPLED			1	1		1									1	
186			1	Little Star Lake	Vilas	8/3/2017	TWH & AMS	186	4	Muck	Pole	SAMPLED			1	1								1			1	