Lamoka Lake Plant Species' Presence and Relative Abundance as % of Total Plants collected on Rake at Sample Points (SP) on UTM Line Intercepts

Sampling Date 7/23/2009 & 7/30/2009 **Sampling Crew JJ, NS, JR, RJ, JT, TE, NP**

Rake Abundance Estimates is Zero (O), Sparse (S), Moderate (M) or Dense (D)

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
1	1	328500	4698000	0.2	M				0.01	0.01				10					30	2							2	0.01	0.01	41	15	0.01	
	2				M				0.01					10			1		20					1			3	0.01	10	5	50	0.01	
2	1	328400	4698000	0.8	S									1			99											0.01				0.01	
	2				S	98								2																		0.01	
3	1	328870	4697900	1.1	T									100																			
	2				O																												
4	1	328800	4697900	2.3	S	92		1	0.01					2										5				0.01				0.01	
	2				S	90								3										7									
5	1	328700	4697900	1.9	S																			90	8						2		
	2				S	4								2					40	15				30							9		
6	1	328600	4697900	1.6	M	33								2					15					35							15		
	2				M	40													20					35							5		
7	1	328500	4697900	1.3	M									2					8					90									
	2				M	10	0.01												10					80									
8	1	328400	4697900	1.1	T									100																			
	2				T									100																			
9	1	329100	4697800	2.3	T	50								50																			
	2				T				0.01																		100	0.01				0.01	
10A	1	328700	4697800	1.5	O																												
	2				T				100																								
11	1	328900	4697800	2.6	O																												
	2				T									30										70									
14	1	328600	4697800	.2 3.	T					0.01									100									0.01				0.01	
	2				T	30																		65							5		
15	1	328500	4697800	1.3	T				0.01					10										80				0.01			10	0.01	
	2				S	10		5	0.01					5						5				75				0.01				0.01	

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
16	1	328400	4697800	1.0	T	50								10			10			30													
	2				S	45		2						50						3													
17	1	329200	4697700	3.4	O																												
	2				T	100																											
24	1	328500	4697700	1.0	S	11		6						4			3			6				70									
	2				S	39								10						10				40			1						
25	1	328400	4697700	1.0	S	35								30						5				30									
	2				S	10								20						30				40									
26	1	328300	4697700	0.8	O																												
	2				O																												
27A	1	329200	4697700	1.8	T	100																											
	2				T	95								5																			
33	1	328600	4697600	1.6	M		2	2	0.01					16			25		5								25	0.01			25	0.01	
	2				M			1	0.01					70			8		1								10	0.01			10	0.01	
34	1	328500	4697600	1.0	M	10	1	9	0.01					70										2			1	0.01			7	0.01	
	2				M	35		5	0.01					50					0.01					3			2	0.01			5	0.01	
35	1	328400	4697600	1.1	S	20								9					1					70									
	2				M	9								30					1					60									
36	1	328300	4697600	0.8	T												100																
	2				T	80								20																			
37	1	329300	4697500	0.6	O																												
	2				O																												
43	1	328700	4697500	1.7	S	95																									5		
	2				S	25	15						15	15									2				9				15		4
44	1	328570	4697500	0.7	S		2	5						5			80										3				5		
	2				S	15	10	3						45			5		7												15		

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
45	1	328500	4697500	1.2	D	4		0.01		0.01				80										5			8				3		
	2				M	3		2						50										13			25				7		
46	1	328400	4697500	1.0	S	35		4						55						2				4									
	2				S	40		2						40		4				10				4									
47A	1	329500	4697400	1.5	T			50						30						20													
	2				S			30						4					30				3	30							3		
54	1	328700	4697400	2.5	T	100																											
	2				T	100																											
55	1	328600	4697400	1.7	M	50								1					35												14		
	2				D	45													45				2.0	3							5		
56	1	328500	4697400	1.1	M			3		2				25						15				40			5				10		
	2				M					0.01				20					0.01					57			20				3		
57	1	328400	4697400	1.1	T									70										30									
	2				S	45								45										10									
58A	1	329510	4697300	1.5	S	7	7	2					60	15					6						1		2						
	2				S		19	5					40	20					5				1	5							5		
66	1	328600	4697300	2.0	M	75								5					20														
	2				S	50								1					24	1			23								1		
67	1	328500	4697300	1.4	M	3								90										3			4						
	2				M	3								80					2					5							10		
68A	1	329510	4697200	1.9	O																												
	2				T	50		6						12					12	12				4	4								
76	1	328600	4697200	2.3	T	35								1					60	4													
	2				S	7								5					70	7				6	2						3		
77	1	328500	4697200	1.7	D	2								94										3							1		
	2				D	14		3						50		0.01	10		0.01					3							20		

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
78	1	329500	4697100	3.3	T				33																								
	2				O																							33				34	
87	1	328600	4697100	2.0	M	5								5					50	3				35			2						
	2				M	45													45	10													
88	1	329600	4697000	2.3	T			5						15						80													
	2				T	5			0.01					5					5	85								0.01				0.01	
97	1	328700	4697000	3.6	O																												
	2				O																												
98	1	328600	4697000	1.7	M	10		0.01						28						0.01				30			2				30		
	2				M	5		3						15					20	5				25	2						25		
99A	1	329620	4669000	1.5	S	35		1						30						0.01				33							1		
	2				S	50	3	3						10										1			3				30		
107	1	328700	4696900	3.0	D	4		4						90										1							1		
	2				M	70	1							5						1				20			2				1		
107A	1	328700	4696900	1.4	T	30		20						30						20													
	2				T	40		20						40																			
108A	1	329567	4697800	1.4	T			2	2	1				2														2			89	2	
	2				S		10	15	0.01					50						15								0.01			10	0.01	
116	1	328700	4696800	2.5	T									100																			
	2				S	30	5	5						35													25						
117	1	329500	4696700	1.2	T	10	30		0.01					60														0.01				0.01	
	2				S	3	2							80																	15		
125	1	329400	4696600	2.4	T				0.01					100														0.01				0.01	
	2				S	95								5																			
132	1	329400	4696500	1.8	M	60			0.01					20						10								0.01			10	0.01	
	2				M	60								24						1											15		

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
139	1	328700	4696500	1.9	M	30		15						30																	25		
	2				M	50		20						15					0.01						5						10		
140	1	329400	4696400	0.8	S		30		0.01					40					0.01									0.01			30	0.01	
	2				S	4	10	2						80													2				2		
147	1	328700	4696400	1.6	D	3		30						3					55												9		
	2				D	8		60						20					3	1					3		2				3		
148	1	329400	4696300	0.9	M	48	15	15						15					2	1							2				2		
	2				M	60		13						10													2				15		
155	1	328700	4696300	0.9	S	2	18	33						35																	12		
	2				M		40	40						18													1				1		
156A	1	329490	4696200	1.5	M	20			0.01					10														0.01			70	0.01	
	2				M	60	3	2						25																	10		
163	1	328700	4696200	1.9	M	40		5						5						40					5						5		
	2				D	30		6						5						7				40	6		2				4		
164	1	329500	4696100	2.0	S	76		2						2						12			2		6								
	2				S	75								5						20					0.01								
167	1	329200	4696100	3.0	T			100																									
	2				T	100																											
168	1	329100	4696100	3.0	T	70		10						10						10													
	2				T									40						60													
172	1	328700	4696100	2.9	S	7		20						3						70													
	2				S			20						10						40				20	2		8						
173	1	329600	4696000	1.5	M	4								4					85												7		
	2				M	5		1						40					25					25							4		
174	1	329500	4696000	2.3	S	25														15					60								
	2				T	15		15						60						10													

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
175	1	329400	4696000	3.5	T			100	0.01																			0.01				0.01	
	2				T	75		5	0.01																20			0.01				0.01	
176	1	329300	4696000	2.6	S	24								5					1	70											0.01		
	2				M	75			0.01										0.01	25								0.01			0.01		
177	1	329200	4696000	2.6	S			5												95													
	2				S			3						3						94													
178	1	329100	4696000	2.8	T															100													
	2				T			5												95													
182	1	328700	4696000	1.9	S	30		30						20										20									
	2				S	35	1	20						40						2					2								
183	1	329600	4695900	1.4	M	1								50					25	0.01				15	3						6		
	2				M	12		2						3					55					15							13		
184	1	329500	4695900	2.3	T	50			0.01											50								0.01					
	2				T	40				1				1						18				40									
185	1	329400	4695900	3.3	O																												
	2				T	100																											
186	1	329300	4695900	2.6	S	75														25													
	2				S			3											90	7													
187	1	329200	4695900	2.5	S	20		2												70					8								
	2				S	4		3												80					3								10
188	1	329100	4695900	2.2	M	11								1					85	3													
	2				M	46														47													7
189	1	329000	4695900	3.0	T	35								5						60													
	2				M	97														3													
192	1	328700	4695900	1.6	M	18		50						30						1											1		
	2				D	5		50						40													5						

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
193	1	329500	4695800	1.7	M	3								1										96									
	2				D	2		2						50					2					33							10		1
194	1	329400	4695800	2.0	M	30		1	0.01											4				65				0.01					
	2				S	36		1											1	1				31	30								
195	1	329300	4695800	2.1	M														90					6	4								
	2				S	30		10												0.01					60								
196	1	329200	4695800	1.5	M	10		5	0.01					40					25					7	3			0.01			10	0.01	
	2				M	40		1	0.01					7					35	0.01							2	0.01			15	0.01	
197	1	329000	4695800	1.1	O																												
	2				S	15	7	5						60										3							3		7
200	1	328700	4695800	4.0	S	20		25						10										10			10				25		
	2				S			3						15						2				40							40		
201	1	328600	4695800	1.1	M	2		90											1						0.01		2				5		
	2				D	10		40	0.01					10											5		5				30		
202	1	329500	4695700	1.2	M																			100									
	2				M				0.01								5		18					75				0.01			2	0.01	
203	1	329400	4695700	1.5	D																			100									
	2				D				0.01										5					95				0.01				0.01	
204	1	329300	4695700	1.4	M									2					18					80									
	2				M	1		0.01											29					70									
205	1	329000	4695700	1.5	D	8		70						15					1					3							3		
	2				D	1	0.01	99			0.01			0.01										0.01							0.01		
209	1	328600	4695700	1.3	M	1		90						2										2			5						
	2				D	2	2	85						1										2							8		
210	1	329000	4695600	2.0	T	85		4						7						1					3								
	2				M																										100		

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
214	1	328600	4695600	1.3	M	7	1	80	0.01					0.01			1		0.01						1		9	0.01			1	0.01	
	2				M	15		20	0.01								3							2			60	0.01				0.01	
215	1	328500	4695600	0.9	M	10	20	6	0.01					4		18									1		1	0.01		30	10	0.01	
	2				M	40		7	0.01							5	2											0.01		40	6	0.01	
216	1	329000	4695500	1.4	D	4		60						5					20					2			1				8		
	2				D	19		50						1					19					10	1								
217A	1	328895	4695441	1.5	D	75		10						6										2	1		2				4		
	2				M	25		25						25											0.01						25		
218	1	328800	4695500	3.5	O																												
	2				O																												
218A	1	328806	4695442	1.7	M	20	6	6					8	40																	20		
	2				M	42		6						42											4						6		
219	1	328700	4695500	2.3	T	50								20										30									
	2				T	12		80		0.01				8																			
220	1	328600	4695500	1.5	D	12		80	0.01	0.01									0.01	0.01				8				0.01				0.01	
	2				M	5		60						0.01					0.01	2				15	15		3						
221	1	328500	4695500	0.7	M		3	2	0.01				15	2		5	55						2				4	0.01		10	2	0.01	
	2				M	25		15	0.01	0.01			3		20		15										2	0.01		15	5	0.01	
222	1	329100	4695400	1.0	T	100																											
	2				M	92		4								4																	
223	1	329000	4695400	1.1	M	10		10						5		1			8					65						1			
	2				D	30		40	0.01	0.01				0.01					3					16	8		1			2		0.01	
224	1	328600	4695400	1.0	M	25	4	50	0.01	0.01				4					2						1		4	0.01			9	0.01	1
	2				D	25		21	0.01	0.01				2		7			4					5	2		25	0.01		2	7	0.01	
225	1	328500	4695400	0.9	D	10		50	1	1				2					4					16			4	1			10	1	
	2				M	20		20	0.01	0.01							25							5			10	0.01			20	0.01	

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
226	1	328400	4695400	0.7	M	30		20	0.01	0.01				1	1		16		10					2			10	0.01		10		0.01	
	2				S	1		20	0.01							20	10			4				4			39	0.01		2		0.01	
227	1	328400	4695300	1.7	T			50	0.01															50				0.01				0.01	
	2				M	25		15	0.01											5				55									
228	1	328400	4695200	0.7	S	40		6	0.01	1														40				0.01		13		0.01	
	2				M	30		5	0.01	0.01							20					2		3				0.01		30	10	0.01	
229	1	328300	4695200	0.7	S	40		12	0.01	0.01							2			2				40				0.01		4		0.01	
	2				M	25		15	0.01	0.01						5			5	0.01				25			5	0.01		20	0.01	0.01	
230	1	328300	4695100	1.5	S	10		5												5				70						10			
	2				S	60		19	0.01	0.01										1				20				0.01				0.01	
231	1	328400	4695000	1.2	M	12			0.01	0.01									3					20				0.01		65		0.01	
	2				M	10			0.01	0.01														30				0.01		60		0.01	
232	1	328300	4695000	1.1	S	40		10	0.01										10					40				0.01				0.01	
	2				S	50		10		0.01									0.01					30						10			
233	1	328300	4694900	1.1	M	6		2		0.01										1				70						21			
	2				M	4				0.01										1				50						45			
234	1	328200	4694900	1.1	T	20			0.01	0.01										10				70				0.01				0.01	
	2				T	30														35				35									
237	1	328300	4694900	1.2	S	3			0.01	1														96				0.01				0.01	
	2				M	23				0.01														65						12			
238	1	328200	4694800	1.4	S	19		1	0.01	0.01									3	0.01				70				0.01		7		0.01	
	2				M	35		0.01		0.01									0.01	0.01				40						25			
241	1	328200	4694700	1.1	S				0.01	0.01														60				0.01		40		0.01	
	2				M					0.01										2				70						28			
242	1	328100	4694700	1.3	D	3			0.01															90				0.01		7		0.01	
	2				D	2				0.01										1				69						28			

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
243	1	328100	4694600	1.7	S	45		2	0.01															8				0.01		45		0.01	
	2				S	68			0.01											2				30									
244	1	328100	4694500	0.8	T	50			0.01	0.01														50				0.01				0.01	
	2				S				0.01	0.01										4				48				0.01		48		0.01	
245	1	328000	4694500	1.0	T	40																		60									
	2				S	25			0.01	0.01														25				0.01		50		0.01	
246	1	328000	4694400	1.5	T	20		40												20				20									
	2				S	80														0.01				20						0.01			
247	1	328000	4694300	0.8	T	50			0.01	0.01														50				0.01				0.01	
	2				S			5	0.01	0.01														60				0.01		35		0.01	
248	1	327900	4694300	2.0	T	97			0.01	0.01														3				0.01				0.01	
	2				S	70		2	0.01	1														27				0.01				0.01	
249	1	327900	4694200	1.1	T				0.01											20				80				0.01				0.01	
	2				S				0.01															45				0.01		55		0.01	
250	1	327800	4694100	1.4	T	40			0.01															10				0.01		50		0.01	
	2				T	100																											
251	1	327800	4694000	1.2	T	33			0.01	0.01														33				0.01		34		0.01	
	2				S	80		2	0.01	0.01							4							10				0.01		4		0.01	
252	1	327700	4694000	1.2	S	12			0.01	0.01									12					16				0.01		60		0.01	
	2				S	40		1		0.01														50				0.01		9			
253	1	327760	4693900	0.6	S	6		2	0.01	0.01							30		20	2				30				0.01		10		0.01	
	2				S	97		3	0.01																							0.01	
254	1	327700	4693900	1.5	T					5														95									
	2				S	60		5		0.01										5				12						18			
256	1	327800	4693800	0.7	T				25															25				25				25	
	2				M	20		5	3	2										5	2			60			2	1					

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
257	1	327700	4693800	1.4	S	80		7	0.01	0.01										2				7				0.01		5		0.01	
	2				S	85		5		0.01										T	0.01			8						2			
258	1	327600	4693800	0.7	S	40		10		0.01														50				0.01				0.01	
	2				T	5			0.01															95									
260	1	327800	4693700	1.0	T	50			0.01															50				0.01				0.01	
	2				T				0.01															50				0.01		50		0.01	
261	1	327700	4693700	1.4	S	80		20												0.01				0.01									
	2				S	80		7		1										6				6								0.01	
262	1	327600	4693700	1.4	S	80		5	0.01	0.01										5				10									
	2				T	90		4	0.01											6				0.01				0.01				0.01	
263	1	327500	4693700	1.0	T	98		1	0.01											1								0.01				0.01	
	2				T	100			0.01																			0.01				0.01	
264	1	327400	4693700	0.8	M	15		3	0.01	0.01								50		2	10			15			2	0.01		3		0.01	
	2				T	60		5	0.01															35				0.01				0.01	
265	1	327300	4693700	0.8	T	70															0.01			30				0.01				0.01	
	2				S	59			0.01	0.01										1				40									
266	1	327200	4693700	0.5	T	55														15				30									
	2				S	15														5				30		50							
269	1	327800	4693600	0.8	S	2		3												5				50						40			
	2				S	19			0.01	1														60						20			
270	1	327700	4693600	1.2	S			5	0.01															95				0.01		0.01			
	2				S	3		1	0.01	0.01										1				95				0.01		0.01			
271	1	327600	4693600	1.4	T	40		20	0.01											30				10									
	2				T	50		10												10				30									
272	1	327500	4693600	1.3	S	80		16	0.01	2														2				0.01				0.01	
	2				M	80		10	0.01	0.01										T				10				0.01				0.01	

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
273	1	327400	4693600	1.3	S	70		1		0.01										9				20									
	2				S	70			0.01	1														29				0.01				0.01	
274	1	327300	4693600	1.4	M	60		8		0.01										2				30									
	2				S	15		15		1										4				55						10			
275	1	327200	4693600	1.2	M	2			0.01	0.01						4								30		60	2	0.01		2		0.01	
	2				S	5			0.01								10							15		70		0.01				0.01	
276	1	327100	4693600	1.4	D	3		1	0.01	0.01														5		89	0.01	0.01		2		0.01	
	2				M	100																		0.01									
280	1	327500	4693500	1.4	S	20		2	0.01	1										10				58				0.01		9		0.01	
	2				S	70			0.01											10				20									
281	1	327400	4693500	1.5	T	70			0.01											10				20				0.01					
	2				S	25				5														70									
282	1	327300	4693500	1.3	S	20			0.01	5										5				70				0.01				0.01	
	2				S	15		30		5														50									
283	1	327200	4693500	1.1	S				0.01	0.01														100				0.01				0.01	
	2				M	0.01		0.01		1										1				98									0.01
284	1	327100	4693500	1.1	S	0.01			0.01	0.01														100				0.01				0.01	
	2				S				0.01															100				0.01				0.01	
286	1	327500	4693400	1.3	M	40		3	0.01	0.01										2				55				0.01					
	2				M	10		4	0.01	5										1				80				0.01				0.01	
287	1	327400	4693400	1.4	T					0.01														100									
	2				M	3			0.01	2.00										2				93				0.01				0.01	
288	1	327300	4693400	1.5	S	10				5.00														85									
	2				M			9	0.01	1.00														90				0.01				0.01	
289	1	327200	4693400	1.5	T	50			0.01	5										15				30				0.01				0.01	
	2				T	50			0.01	7										5				30				0.01		8		0.01	

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
290	1	327100	4693400	1.2	S	9		1		0.01										0.01				90									
	2				S	9		9		0.01										2				70						10			
291	1	327000	4693400	1.1	S	2			0.01	0.01														98				0.01					
	2				M	0.01		0.01		0.01										0.01				100									
292	1	327500	4693300	1.0	M	99			0.01	0.01																		0.01		1		0.01	
	2				S	40		2	5							10								3				5		35			
293	1	327400	4693300	1.7	T	100			0.01																			0.01					
	2				S	100			0.01																			0.01					
294	1	327300	4693300	1.6	S	70			0.01	0.01										5	20			5									
	2				S	45		1		1										1				50						2			
295	1	327200	4693300	1.8	S	55		5		0.01														40									
	2				S	49		5	0.01	1										10				30			5	0.01					
296	1	327100	4693300	1.4	M	53		5		0.01									7					15						20			
	2				S	70		3		2														25									
297	1	327000	4693300	1.2	S	70		1												9				20									
	2				S	90		3	0.01	0.01										3				4									
298	1	326900	4693300	1.2	S	18		2	0.01	0.01														80									
	2				S	65		7		0.01										8				20									
299	1	327500	4693200	0.7	S	50			0.01	0.01														50									
	2				S	40			0.01	0.01														60									
300	1	327400	4693200	0.9	M	6		12	0.01	0.01														70		12		0.01				0.01	
	2				S	46		2	0.01															52									
301	1	327300	4693200	1.4	T	2			0.01	0.01														95				0.01		3			
	2				S											99								1									
302	1	327200	4693200	1.0	S	45																		30						25			
	2				T	94			0.01											1				5				0.01					

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North 18T	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Megalodonta beckii	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Nitella flexilis	Nuphar advena	Nymphaea odorata	Pontederia cordata	Potamogeton amplifolius	Potamogeton crispus	Potamogeton sp	Potamogeton nodosus	Potamogeton pusillus	Potamogeton robbinsii	Potamogeton zosteriformis	Polygonum amphibium	Ranunculus trichophyllus	Spirodela polyrhiza	Typha latifolia	Utricularia sp.	Vallisneria americana	Wolffia columbiana	Zosterella dubia
303	1	327100	4693200	1.1	T	80				0.01														20									
	2				S	40				0.01														60									
304	1	327000	4693200	1.1	S	50		25	0.01	0.01										5				20									
	2				S	50		2		2														46									
305	1	326900	4693200	1.4	S	20		75		2										1				2									
	2				S	41		29		0.01										1				29									
306	1	326800	4693200	1.2	S	1																		99									
	2				S	2				0.01														98									
307	1	327000	4693100	0.8	S	15		1		0.01																		0.01		84			
	2				S	31		2	0.01	1														5			1			60		0.01	
308	1	326900	4693100	1.3	S	35		20								5				5				35									
	2				S	49		1		0.01														50									
309	1	326800	4693100	1.1	S	70		10	0.01	0.01														8			2			10		0.01	
	2				S	55		40		0.01															2					3			
310	1	327000	4693000	0.6	M	40		1	1	1						16												0.01	0.01	41		0.01	
	2				D	45			0.01	0.01						2												0.01	50	3		0.01	
311	1	326900	4693000	1.2	D	43		1	0.01	0.01						2								3			1		0.01	50		0.01	
	2				S	60		5	1	1							2							20						11			
312	1	326800	4693000	0.8	S	38		12		0.01																				50			
	2				S	35		10		0.01																	5			50			
313	1	326900	4692900	0.6	T				0.01	0.01						30												0.01		70		0.01	
	2				M	60			1	1							19													19		0.01	