Table A. Results of the two rake-toss sampling of Waneta Lake on August 4-5, 2009 at 138 sample points (SPs)

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North	◘ 91 original vegetated SPs	■ 11 original nonvegetated SPs	• 5 remaining DEC SPs	○ 31 added 2008 SPs	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Najas minor	Nitella sp.	Nymphaea odorata	Potamogeton crispus	Potamogeton foliosus	Potamogeton pusillus	Potamogeton robbinsii	Ranunculus trichophyllus	Spirodela polyrhiza	Vallisneria americana	Wolffia columbiana	Zosterella dubia
1	1	327100	4703400	◘				0.6	S			50					30										20		
	2								S	10		35					50				1		1				3		
			Mean																										
2	1	327000	4703400	◘				0.8	S	15		70					15												
	2								S	2	2	30					60				1		4				1		
			Mean																										
3	1	326900	4703400	◘				0.5	S	30		20					50												
	2								S		15	4				25	25	3					18				10		
			Mean																										
4	1	327300	4703300	◘				1.2	D	5							95												
	2								M			1					99												
			Mean																										
5	1	327200	4703300	◘				1.3	S	50		15					30								5				
	2								M	15		5					80												
			Mean																										
6	1	327100	4703300	◘				1.0	M	50		45					5												
	2								D	85		10					5												
			Mean																										
7	1	327000	4703300	◘				2.0	D	30		30					40										0.01		
	2								D	30		20					50												
			Mean																										
8	1	326900	4703300	◘				2.0	D	30		20					50												
	2								D	50		40					10												
			Mean																										
9	1	326800	4703300	◘				1.9	D	20		20					60												
	2								M	18		2					80												
			Mean																										
10	1	327300	4703200	◘				2.1	D	10		30					60												
	2								D	20		20					60												
			Mean																										
11	1	327200	4703200	◘				2.7	M	4		46					50												
	2								D	20		45					35												
			Mean																										
12	1	327100	4703200	◘				2.8	D	5		25					70				0.01								
	2								D			49					50						1						
			Mean																										
13	1	327000	4703200	◘				3.0	M			10					80				10		0.01						
	2								M	10		2					80				8								
			Mean																										

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North	◘ 91 original vegetated SPs	■ 11 original nonvegetated SPs	• 5 remaining DEC SPs	○ 31 added 2008 SPs	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Najas minor	Nitella sp.	Nymphaea odorata	Potamogeton crispus	Potamogeton foliosus	Potamogeton pusillus	Potamogeton robbinsii	Ranunculus trichophyllus	Spirodela polyrhiza	Vallisneria americana	Wolffia columbiana	Zosterella dubia
14	1	326900	4703200		■			3.2	M	30							70						0.01						
	2								M	30		10					40				10		10						
			Mean																										
15	1	326800	4703200	◘				2.7	M	2		1					97												
	2								M			2					98												
			Mean																										
16	1	326700	4703200	◘				0.6	S	30	10					12	40						0.01				8		
	2								S		20					20	50						0.01						10
			Mean																										
17	1	327300	4703100	◘				2.8	M			1					99				0.01								
	2								D			20					70						10						
			Mean																										
18	1	327200	4703100			•		3.2	T	60		19					20						1						
	2								T	50		40					10												
			Mean																										
19	1	327100	4703100			•		4.0	T			40					60												
	2								O																				
			Mean																										
20	1	327000	4703100			•		4.5	O																				
	2								O																				
			Mean																										
21	1	326900	4703100			•		4.5	O																				
	2								O																				
			Mean																										
22	1	326800	4703100			•		4.0	S								99						1						
	2								S			10					90												
			Mean																										
23	1	326700	4703100	◘				1.0	S								100												
	2								S			1					99												
			Mean																										
24	1	327300	4703000		■			3.0	D	15		0.01					85				0.01		0.01						
	2								D	10							90												
			Mean																										
24A	1	327343	4703000				○	1.4	M	5		70					25												
	2								D	10		25					60										5		
			Mean																										
30	1	326700	4703000	◘				1.7	M			0.01					100												
	2								D			15					85												
			Mean																										

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North	◘ 91 original vegetated SPs	■ 11 original nonvegetated SPs	• 5 remaining DEC SPs	○ 31 added 2008 SPs	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Najas minor	Nitella sp.	Nymphaea odorata	Potamogeton crispus	Potamogeton foliosus	Potamogeton pusillus	Potamogeton robbinsii	Ranunculus trichophyllus	Spirodela polyrhiza	Vallisneria americana	Wolffia columbiana	Zosterella dubia
31	1	327300	4702900	◘				2.2	D	2		49					49												
	2								D	1		9					90												
			Mean																										
37	1	326700	4702900	◘				1.5	D			2					96										2		
	2								D			2					95										3		
			Mean																										
38	1	327300	4702800	◘				0.7	D	0.01		50					50												
	2								M			20					40						40						
			Mean																										
44	1	326700	4702800	◘				1.1	M								100												
	2								M		15	5				5	70										5		
			Mean																										
45A	1	327274	4702700				○	1.4	M			30					69										1		
	2								M			30					70												
			Mean																										
50	1	326700	4702700	◘				0.8	M		20	10				20	50										0.01		
	2								M		30	3				60	0.01					2					5		
			Mean																										
51A	1	327269	4702600				○	1.5	S			3					90				2		5						
	2								M			5					95												
			Mean																										
56	1	326700	4702600	◘				0.6	S							20	60										20		
	2								S			65				8	12										15		
			Mean																										
57A	1	327283	4702500				○	1.4	M	2		3					95												
	2								M			1					59										40		
			Mean																										
62	1	326700	4702500	◘				0.9	D			10					90												
	2								D			13					85										2		
			Mean																										
63	1	327300	4702400	◘				2.2	M	5		25					70												
	2								M			10					90												
			Mean																										
69	1	326700	4702400	◘				1.4	D			10					90												
	2								D			15					85												
			Mean																										
70A	1	327286	4702300				○	1.5	M	0.01		5					95												
	2								M			4					95				1								
			Mean																										

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North	◘ 91 original vegetated SPs	■ 11 original nonvegetated SPs	• 5 remaining DEC SPs	○ 31 added 2008 SPs	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Najas minor	Nitella sp.	Nymphaea odorata	Potamogeton crispus	Potamogeton foliosus	Potamogeton pusillus	Potamogeton robbinsii	Ranunculus trichophyllus	Spirodela polyrhiza	Vallisneria americana	Wolffia columbiana	Zosterella dubia
76	1	326700	4702300	◘				1.8	M			2					98												
	2								D			15					85												
			Mean																										
77A	1	327346	4702200				○	1.5	M			50					50						0.01						
	2								M			3					97						0.01						
			Mean																										
83	1	326700	4702200	◘				1.4	D			10					90												
	2								D			2					98												
			Mean																										
84A	1	327364	4702100				○	1.5	D			90					10				0.01								
	2								D			10					90												
			Mean																										
90	1	326700	4702100	◘				1.4	D	0.01		5					95												
	2								D			2					98						0.01						
			Mean																										
91A	1	327352	4702000				○	1.5	D			10					90												
	2								D	0.01		10					90												
			Mean																										
97	1	326700	4702000	◘				1.8	D			5				0.01	90	5											
	2								D			0.01					100												
			Mean																										
98	1	327300	4701900		■			3.1	T			25					75												
	2								T								100												
			Mean																										
98A	1	327304	4701900				○	1.5	M	10		70					20												
	2								M			20					70				0.01		10						
			Mean																										
104	1	326700	4701900	◘				2.7	S								100												
	2								M	4		6					90												
			Mean																										
105A	1	327334	4701800				○	1.5	S							25	60					15							
	2								S	30		0.01				0.01	30					40							
			Mean																										
111	1	326700	4701800	◘				3.9	S								100												
	2								M			10					90												
			Mean																										
111A	1	326670	4701800				○	1.5	M			20					80												
	2								D			5					95												
			Mean																										

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North	◘ 91 original vegetated SPs	■ 11 original nonvegetated SPs	• 5 remaining DEC SPs	○ 31 added 2008 SPs	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Najas minor	Nitella sp.	Nymphaea odorata	Potamogeton crispus	Potamogeton foliosus	Potamogeton pusillus	Potamogeton robbinsii	Ranunculus trichophyllus	Spirodela polyrhiza	Vallisneria americana	Wolffia columbiana	Zosterella dubia
112A	1	327368	4701700				○	1.5	M			1					99												
	2								S			5				15	40					40							
			Mean																										
118A	1	326670	4701700				○	1.6	M			1					99												
	2								D			5					95												
			Mean																										
119A	1	327375	4701600				○	1.5	M			5					94				1								
	2								M			20					80												
			Mean																										
125A	1	326655	4701600				○	1.5	D			2					98												
	2								S								100												
			Mean																										
126A	1	327373	4701500				○	1.5	D			5					95						0.01						
	2								D	2		10					85										3		
			Mean																										
132	1	326700	4701500	◘				1.9	S			60					40												
	2								S			20					80												
			Mean																										
133A	1	327356	4701400				○	1.5	S			30					70					0.01							
	2								M	10		40					40	0.01			5	5							
			Mean																										
139A	1	326650	4701400				○	1.5	D			10					90												
	2								D	4		16					80												
			Mean																										
140A	1	327378	4701300				○	1.5	T			100																	
	2								S			10					90												
			Mean																										
146A	1	326654	4701300				○	1.4	D			5					95												
	2								D			25					75												
			Mean																										
147A	1	327405	4701200				○	1.5	M	5		5					90												
	2								S			10					90												
			Mean																										
153A	1	327416	4701100				○	1.5	S			50					50						0.01						
	2								D			8					90						2						
			Mean																										
160A	1	327408	4701000				○	1.5	T								100												
	2								M			10					90				0.01								
			Mean																										

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North	◘ 91 original vegetated SPs	■ 11 original nonvegetated SPs	• 5 remaining DEC SPs	○ 31 added 2008 SPs	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Najas minor	Nitella sp.	Nymphaea odorata	Potamogeton crispus	Potamogeton foliosus	Potamogeton pusillus	Potamogeton robbinsii	Ranunculus trichophyllus	Spirodela polyrhiza	Vallisneria americana	Wolffia columbiana	Zosterella dubia
167	1	327400	4700900	◘				1.9	M			20					80												
	2								S			5					95												
			Mean																										
173	1	326800	4700900	◘				1.9	D			10					90												
	2								M			15					85												
			Mean																										
174	1	327400	4700800	◘				1.8	S			5					95				0.01								
	2								S			100																	
			Mean																										
179	1	326900	4700800	◘				1.1	S		5	40				5	50												
	2								S		10	5				25	50		10										
			Mean																										
180	1	327400	4700700	◘				1.8	D			20					80												
	2								M			1					49										50		
			Mean																										
185	1	326900	4700700	◘				1.1	D		2	18					80												
	2								M			20					80												
			Mean																										
186A	1	327422	4700600				○	1.5	D	5		60					35												
	2								D	0.01		50					50												
			Mean																										
191	1	326900	4700600	◘				1.8	M	8	2	40					50												
	2								M	2		18					80												
			Mean																										
192	1	327400	4700500	◘				1.5	D	0.01		30					70												
	2								D	5		35					60												
			Mean																										
197	1	326900	4700500	◘				2.7	M	1		20					78				1								
	2								S			20					80				0.01								
			Mean																										
198A	1	327371	4700400				○	2.0	T													100							
	2								S	T	T	5				20	30	5					10				30		
			Mean																										
203A	1	326860	4700400				○	1.5	M	8		2					90												
	2								M	0.01		20					80								0.01				
			Mean																										
204A	1	327437	4700300				○	1.5	D	50		40					10												
	2								M	1		69					30												
			Mean																										

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North	◘ 91 original vegetated SPs	■ 11 original nonvegetated SPs	• 5 remaining DEC SPs	○ 31 added 2008 SPs	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Najas minor	Nitella sp.	Nymphaea odorata	Potamogeton crispus	Potamogeton foliosus	Potamogeton pusillus	Potamogeton robbinsii	Ranunculus trichophyllus	Spirodela polyrhiza	Vallisneria americana	Wolffia columbiana	Zosterella dubia
210A	1	327500	4700200				○	1.5	M			30					70												
	2								M	6		47					47												
			Mean																										
216	1	327500	4700100	◘				1.8	M	65		30					5												
	2								D	5		60					35												
			Mean																										
223A	1	327539	4700000				○	1.7	M	5		55					40												
	2								D	5		75					20				0.01								
			Mean																										
237A	1	327566	4699800				○	1.5	M	1		49					50												
	2								D	4		76					20												
			Mean																										
243	1	326900	4699800	◘				2.7	M			15					85				0.01								
	2								D	40		30					30												
			Mean																										
244A	1	327567	4699700				○	1.5	D	2	0.01	58					40												
	2								D	10		60					30												
			Mean																										
249	1	327000	4699700		■			4.5	T								100												
	2								T	90							10												
			Mean																										
250	1	326900	4699700	◘				2.1	D			80					19						1						
	2								D	10		43					42				0.01		5						
			Mean																										
251	1	327600	4699600	◘				1.5	D	2		48					50												
	2								D	10		50					40												
			Mean																										
257	1	327000	4699600		■			3.2	T								100												
	2								O																				
			Mean																										
258	1	327600	4699500	◘				2.6	M	20		39					39				2								
	2								M	10		40					50												
			Mean																										
263	1	327100	4699500		■			3.7	O																				
	2								T								100												
			Mean																										
264	1	327000	4699500	◘				1.9	D	5		50					45												
	2								D	5		30					65				0.01								
			Mean																										

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North	◘ 91 original vegetated SPs	■ 11 original nonvegetated SPs	• 5 remaining DEC SPs	○ 31 added 2008 SPs	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Najas minor	Nitella sp.	Nymphaea odorata	Potamogeton crispus	Potamogeton foliosus	Potamogeton pusillus	Potamogeton robbinsii	Ranunculus trichophyllus	Spirodela polyrhiza	Vallisneria americana	Wolffia columbiana	Zosterella dubia
265	1	327600	4699400		■			3.2	T			20					80												
	2								S	10		40					40				10								
			Mean																										
270	1	327100	4699400		■			2.9	S	90		2					8												
	2								T	50		25					25												
			Mean																										
271	1	327700	4699300	◘				0.9	S		1	49					48						1				1		
	2								S			7				3	85										5		
			Mean																										
272	1	327600	4699300	◘				3.1	M	1		60					37				2								
	2								S			50					45				5								
			Mean																										
273	1	327500	4699300		■			3.4	O																				
	2								S			60					40												
			Mean																										
276	1	327200	4699300		■			3.4	T								100												
	2								O																				
			Mean																										
277	1	327100	4699300	◘				1.8	M	3		48	0.01				48						1			0.01		0.01	
	2								D	13		60	0.01				25				2					0.01		0.01	
			Mean																										
278	1	327700	4699200	◘				1.3	D	0.01		50					50				0.01						0.01		
	2								D	10		40					40										10		
			Mean																										
279	1	327600	4699200	◘				2.7	M	10		45					45												
	2								D	15		70					15						0.01						
			Mean																										
280	1	327500	4699200	◘				2.7	S	25		48					25				2								
	2								S	10		50					40												
			Mean																										
281	1	327400	4699200		■			3.1	S			50					30								20				
	2								S			40					50				10								
			Mean																										
282	1	327300	4699200	◘				3.0	O																				
	2								S	10		3					75				10						2		
			Mean																										
283	1	327200	4699200	◘				2.5	D			85					13								2				
	2								D	0.01		100					0.01				0.01								
			Mean																										

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North	◘ 91 original vegetated SPs	■ 11 original nonvegetated SPs	• 5 remaining DEC SPs	○ 31 added 2008 SPs	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Najas minor	Nitella sp.	Nymphaea odorata	Potamogeton crispus	Potamogeton foliosus	Potamogeton pusillus	Potamogeton robbinsii	Ranunculus trichophyllus	Spirodela polyrhiza	Vallisneria americana	Wolffia columbiana	Zosterella dubia
284	1	327700	4699100	◘				1.5	M	5		10		0.01			85												
	2								M	20		40					40										0.01		
			Mean																										
285	1	327600	4699100	◘				2.3	D	5		75					20												
	2								D	35		40					25												
			Mean																										
286	1	327500	4699100	◘				2.3	D	20		20					60												
	2								D	4		48					48				0.01								
			Mean																										
287	1	327400	4699100	◘				2.5	D			10					90				0.01								
	2								D	2		23					75												
			Mean																										
288	1	327300	4699100	◘				2.6	M	0.01		50					50												
	2								D			50					50												
			Mean																										
289	1	327200	4699100	◘				2.0	D	0.01		50					50												
	2								D	0.01		50					50				0.01								
			Mean																										
290	1	327700	4699000	◘				1.4	D	4		48		0.01			48				0.01								
	2								D	5		5					90												
			Mean																										
291	1	327600	4699000	◘				1.9	D	10		45					45												
	2								D	25		25					50				0.01						0.01		
			Mean																										
292	1	327500	4699000	◘				1.9	M	50		23					27				0.01								
	2								D	15		50					35				0.01								
			Mean																										
293	1	327400	4699000	◘				2.0	M	90		5					5										0.01		
	2								M	9		40					50				1								
			Mean																										
294	1	327300	4699000	◘				2.0	D	8		45					45				2								
	2								D	15		15					70				0.01								
			Mean																										
295	1	327200	4699000	◘				1.5	M	10		40					40										10		
	2								M	3		45					50				2								
			Mean																										
296	1	327700	4698900	◘				1.3	S	25		15					25										35		
	2								S	50		10					10				3				2		25		
			Mean																										

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North	◘ 91 original vegetated SPs	■ 11 original nonvegetated SPs	• 5 remaining DEC SPs	○ 31 added 2008 SPs	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Najas minor	Nitella sp.	Nymphaea odorata	Potamogeton crispus	Potamogeton foliosus	Potamogeton pusillus	Potamogeton robbinsii	Ranunculus trichophyllus	Spirodela polyrhiza	Vallisneria americana	Wolffia columbiana	Zosterella dubia
297	1	327600	4698900	◘				1.5	M	10		20					60								2		8		
	2								M	15		15					50				0.01						20		
			Mean																										
298	1	327500	4698900	◘				1.5	D	5		43					50				2								
	2								M	1		39					60				0.01						0.01		
			Mean																										
299	1	327400	4698900	◘				1.6	M	10		44					44				2								
	2								M	30		15					5				0.01						50		
			Mean																										
300	1	327300	4698900	◘				1.5	M	2		55					40								3				
	2								M	2		46					46				2				2		2		
			Mean																										
301	1	327700	4698800	◘				1.0	M	10		69					20				0.01				1				
	2								M	10		20					50			10						0.01	10		
			Mean																										
302	1	327600	4698800	◘				1.1	M	10		35					50				0.01				5				
	2								M	8		10					80				2								
			Mean																										
303	1	327500	4698800	◘				1.1	M	1		49					49				1								
	2								M	5	5	5					65							5	15				
			Mean																										
304	1	327400	4698800	◘				1.3	S	20		10					50							20					
	2								M	2		15					80			1				1	1				
			Mean																										
305	1	326900	4699600	◘				1.6	D			50					50												
	2								D			90					10										0.01		
			Mean																										
306	1	327100	4699200	◘				1.1	M	0.01		35					60								5				
	2								M	3		46				3	46	1			0.01						1		
			Mean																										
307	1	327800	4699100	◘				0.5	D	10		65	0.01				15								0.01	0.01	10	0.01	
	2								D	10		70	0.01				8								2	0.01	10	0.01	
			Mean																										
308	1	326800	4699900	◘				1.3	S	10		10					70				10		0.01						
	2								S			60					40				0.01								
			Mean																										
309	1	326800	4699800	◘				0.8	D	2	10	44					44												
	2								M	5	0.01	35					60												
			Mean																										

Sample Point (SP)	Rake toss #	NAD27 X coord East 18T	NAD27 Y coord North	◘ 91 original vegetated SPs	■ 11 original nonvegetated SPs	• 5 remaining DEC SPs	○ 31 added 2008 SPs	Depth (m) on date	Rake Abundance	Ceratophyllum demersum	Chara vulgaris	Elodea sp.	Lemna minor	Lemna trisulca	Myriophyllum spicatum	Najas flexilis	Najas guadalupensis	Najas minor	Nitella sp.	Nymphaea odorata	Potamogeton crispus	Potamogeton foliosus	Potamogeton pusillus	Potamogeton robbinsii	Ranunculus trichophyllus	Spirodela polyrhiza	Vallisneria americana	Wolffia columbiana	Zosterella dubia
310	1	326800	4700000	◘				1.3	M	10		85					5												
	2								D			70					30												
			Mean																										
311	1	327600	4699900	◘				1.3	D	2		53					45												
	2								D	10		60					30												
			Mean																										
312	1	326800	4700200	◘				1.8	D	7		90					3												
	2								D	5		80					15												
			Mean																										
313	1	326800	4700100	◘				1.7	D	50		48					2												
	2								D	70		25					5				0.01								
			Mean																										
314	1	326700	4701000	◘				1.3	D			20					80												
	2								D			10				0.01	70						0.01				20		
			Mean																										
315	1	326800	4700300	◘				1.9	M			10					90												
	2								D	80		15					5												
			Mean																										
316	1	326700	4701200	◘				2.0	M			30					70				0.01								
	2								D			10					90												
			Mean																										
317	1	326700	4701100	◘				1.8	D			30					70												
	2								D			30					70												
			Mean																										