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Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	<i>Brasenia schreberi</i>	<i>Cabomba caroliniana</i>	<i>Callitriche</i> species	<i>Ceratophyllum demersum</i>	<i>Ceratophyllum echinatum</i>	<i>Elatine minima</i>	<i>Eleocharis</i> species	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Isoetes</i> species	<i>Lemna minor</i>	<i>Ludwigia</i> species	<i>Myriophyllum heterophyllum</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton amplifolius</i>	<i>Potamogeton bicupulatus</i>	<i>Potamogeton crispus</i>	<i>Potamogeton ephedrus</i>	<i>Potamogeton pulcher</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton robbinsii</i>	<i>Sagittaria</i> species	<i>Sparganium</i> species	<i>Utricularia gibba</i>	<i>Utricularia macrorhiza</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Vallisneria americana</i>	<i>Wolffia</i> species	Date	Latitude	Longitude		
Greg Bugbee	0.3	Muck	1	1	0.5		0	3	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7/5/2012	41.50893	-72.40174
Greg Bugbee	0.8	Muck	1	2	5.0		0	3	0	2	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7/5/2012	41.50889	-72.40177
Greg Bugbee	0.9	Muck	1	3	10.0		2	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7/5/2012	41.50885	-72.40178
Greg Bugbee	1.5	Muck	1	4	20.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.50876	-72.40185
Greg Bugbee	1.5	Muck	1	5	30.0	Algae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.50868	-72.40187
Greg Bugbee	1.5	Muck	1	6	40.0	Algae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.5086	-72.40195
Greg Bugbee	2.0	Muck	1	7	50.0	Algae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.5085	-72.40189
Greg Bugbee	2.0	Muck	1	8	60.0	Algae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.5084	-72.40197
Greg Bugbee	2.3	Muck	1	9	70.0	Algae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.50836	-72.40211
Greg Bugbee	2.3	Muck	1	10	80.0	Algae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.5083	-72.40216
Greg Bugbee	0.3	Sand	2	1	0.5		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	7/5/2012	41.50833	-72.40336	
Greg Bugbee	0.7	Muck	2	2	5.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.50829	-72.40333	
Greg Bugbee	1.0	Muck	2	3	10.0	Algae	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.50825	-72.4033
Greg Bugbee	1.8	Muck	2	4	20.0	Algae	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.50815	-72.40329	
Greg Bugbee	1.8	Muck	2	5	30.0	Algae	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	7/5/2012	41.50809	-72.40321	
Greg Bugbee	2.0	Muck	2	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.50802	-72.40312	
Greg Bugbee	2.5	Muck	2	7	50.0		0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.50793	-72.40308	
Greg Bugbee	2.8	Muck	2	8	60.0		0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.50782	-72.40314	
Greg Bugbee	2.8	Muck	2	9	70.0		0	3	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.50774	-72.40303	
Greg Bugbee	2.9	Muck	2	10	80.0		0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	7/5/2012	41.50763	-72.40308	
Greg Bugbee	0.3	Muck	3	1	0.5		0	2	0	2	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7/5/2012	41.50721	-72.41012		
Greg Bugbee	2.9	Muck	3	2	5.0		0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/5/2012	41.50723	-72.41006	



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Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	<i>Brasenia schreberi</i>	<i>Cabomba caroliniana</i>	<i>Callitriche</i> species	<i>Ceratophyllum demersum</i>	<i>Ceratophyllum echinatum</i>	<i>Elatine minima</i>	<i>Eleocharis</i> species	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Isoetes</i> species	<i>Lemna minor</i>	<i>Ludwigia</i> species	<i>Myriophyllum heterophyllum</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton amplifolius</i>	<i>Potamogeton bicupulatus</i>	<i>Potamogeton crispus</i>	<i>Potamogeton ephedrus</i>	<i>Potamogeton pulcher</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton robbinsii</i>	<i>Sagittaria</i> species	<i>Sparganium</i> species	<i>Utricularia gibba</i>	<i>Utricularia macrorhiza</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Vallisneria americana</i>	<i>Wolffia</i> species	Date	Latitude	Longitude								
Greg Bugbee	2.0	Silt	5	5	30.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.5027	-72.40761				
Greg Bugbee	2.2	Silt	5	6	40.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50267	-72.40742		
Greg Bugbee	2.3	Silt	5	7	50.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50267	-72.40738	
Greg Bugbee	3.3	Silt	5	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50262	-72.40725	
Greg Bugbee	3.8	Silt	5	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50261	-72.40713	
Greg Bugbee	3.3	Silt	5	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50261	-72.40696	
Greg Bugbee	0.3	Sand	6	1	0.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50134	-72.41186	
Greg Bugbee	1.5	Sand	6	2	5.0		0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.5013	-72.41186	
Greg Bugbee	2.2	Silt	6	3	10.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50125	-72.41188	
Greg Bugbee	2.5	Silt	6	4	20.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50115	-72.41183
Greg Bugbee	2.4	Silt	6	5	30.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50107	-72.41185
Greg Bugbee	2.5	Silt	6	6	40.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50099	-72.41195
Greg Bugbee	2.4	Silt	6	7	50.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50089	-72.4119
Greg Bugbee	2.4	Silt	6	8	60.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50081	-72.41183
Greg Bugbee	2.4	Silt	6	9	70.0		0	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50073	-72.4119
Greg Bugbee	3.0	Silt	6	10	80.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50062	-72.41186
Greg Bugbee	0.2	Muck	7	1	0.5		0	3	0	0	0	0	0	0	0	0	0	0	2	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49973	-72.41587	
Greg Bugbee	1.0	Muck	7	2	5.0		0	2	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49976	-72.41582	
Greg Bugbee	1.5	Silt	7	3	10.0		0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49979	-72.41577	
Greg Bugbee	1.3	Silt	7	4	20.0		0	2	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49981	-72.41564	
Greg Bugbee	2.0	Silt	7	5	30.0		0	1	0	0	0	0	0	0	0	0	0	0	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49982	-72.41555		
Greg Bugbee	2.0	Silt	7	6	40.0	Charaphyte	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49983	-72.41543		



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Greg Bugbee	1.8	Silt	7	7	50.0	Charaphyte	0	2	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.4999	-72.41529			
Greg Bugbee	1.6	Silt	7	8	60.0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49994	-72.41518		
Greg Bugbee	2.0	Silt	7	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50003	-72.41514	
Greg Bugbee	1.6	Silt	7	10	80.0		2	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50005	-72.41502	
Greg Bugbee	0.2	Sand	8	1	0.5		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49969	-72.41041	
Greg Bugbee	1.2	Silt	8	2	5.0		2	0	0	2	0	0	2	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49972	-72.41035	
Greg Bugbee	1.6	Silt	8	3	10.0		3	0	0	0	0	0	2	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49975	-72.41034
Greg Bugbee	2.3	Silt	8	4	20.0		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49981	-72.41022
Greg Bugbee	2.5	Silt	8	5	30.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49989	-72.41013
Greg Bugbee	2.4	Silt	8	6	40.0		0	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49994	-72.41004
Greg Bugbee	2.4	Silt	8	7	50.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49998	-72.40995
Greg Bugbee	2.3	Silt	8	8	60.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.49996	-72.40976
Greg Bugbee	2.5	Silt	8	9	70.0		0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50006	-72.40974
Greg Bugbee	2.5	Silt	8	10	80.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2012	41.50013	-72.40961
Greg Bugbee	0.2	Sand	9	1	0.5		0	2	0	0	0	0	3	0	0	0	0	0	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.49744	-72.40916
Greg Bugbee	0.5	Sand	9	2	5.0		0	2	0	0	0	0	3	0	0	0	0	2	3	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.49747	-72.40914
Greg Bugbee	1.0	Muck	9	3	10.0		0	3	0	0	0	0	2	0	0	0	0	2	3	2	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.49753	-72.40913
Greg Bugbee	1.2	Muck	9	4	20.0		0	3	0	0	0	0	0	0	0	0	0	3	2	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.49761	-72.40909
Greg Bugbee	1.2	Muck	9	5	30.0		2	3	0	0	0	0	0	0	0	0	0	3	2	2	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.4977	-72.40907	
Greg Bugbee	2.2	Silt	9	6	40.0		2	3	0	0	0	0	0	0	0	0	0	0	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.49779	-72.40905
Greg Bugbee	2.2	Silt	9	7	50.0		0	3	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.49786	-72.40894
Greg Bugbee	3.0	Silt	9	8	60.0		0	3	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.49795	-72.40895



Plant abundance is on scale of 1 – 5: 1 = present but rare (1 plant), 2 = occasional (a few plants), 3 = common (more than a few plants), 4 = abundant, 5 = extremely abundant or dominant						**Follow this link to convert decimal degrees to degrees minutes seconds http://www.fcc.gov/mb/audio/bickel/DDMMSS-decimal.html																																			
Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	<i>Brasenia schreberi</i>	<i>Cabomba caroliniana</i>	<i>Callitriche</i> species	<i>Ceratophyllum demersum</i>	<i>Ceratophyllum echinatum</i>	<i>Elatine minima</i>	<i>Eleocharis</i> species	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Isoetes</i> species	<i>Lemna minor</i>	<i>Ludwigia</i> species	<i>Myriophyllum heterophyllum</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton amplifolius</i>	<i>Potamogeton bicupulatus</i>	<i>Potamogeton crispus</i>	<i>Potamogeton ephedrus</i>	<i>Potamogeton pulcher</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton robbinsii</i>	<i>Sagittaria</i> species	<i>Sparganium</i> species	<i>Utricularia gibba</i>	<i>Utricularia macrorhiza</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Vallisneria americana</i>	<i>Wolffia</i> species	Date	Latitude	Longitude	
Greg Bugbee	2.5	Silt	9	9	70.0		0	3	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	7/11/2012	41.49804	-72.40887
Greg Bugbee	3.1	Silt	9	10	80.0		0	3	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	7/11/2012	41.4981	-72.40885
Greg Bugbee	0.2	Muck	10	1	0.5		2	0	0	0	0	2	0	0	0	0	3	3	3	2	2	0	2	0	0	1	0	0	0	2	1	0	0	0	0	0	0	7/11/2012	41.49777	-72.40613	
Greg Bugbee	0.5	Muck	10	2	5.0		2	0	0	0	0	3	0	0	0	0	3	2	2	2	2	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	7/11/2012	41.49783	-72.40614	
Greg Bugbee	1.0	Muck	10	3	10.0		2	0	0	0	0	3	0	0	0	0	4	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	7/11/2012	41.49787	-72.4062	
Greg Bugbee	1.0	Muck	10	4	20.0		0	2	0	0	0	3	2	0	0	0	2	4	2	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	7/11/2012	41.49796	-72.40622	
Greg Bugbee	1.2	Muck	10	5	30.0		2	0	0	0	0	0	0	0	0	0	0	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.49805	-72.40625	
Greg Bugbee	1.5	Muck	10	6	40.0		2	3	0	0	0	0	0	0	0	0	0	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.4981	-72.40637
Greg Bugbee	1.6	Muck	10	7	50.0		0	3	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.4982	-72.40635
Greg Bugbee	1.6	Silt	10	8	60.0		0	3	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	7/11/2012	41.49826	-72.40643
Greg Bugbee	2.0	Silt	10	9	70.0		0	3	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	7/11/2012	41.49834	-72.40653
Greg Bugbee	2.0	Silt	10	10	80.0		1	3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	7/11/2012	41.49842	-72.40655
Greg Bugbee	0.2	Sand	11	1	0.5		0	0	0	0	2	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	7/11/2012	41.50161	-72.40332	
Greg Bugbee	0.4	Muck	11	2	5.0		0	0	0	0	2	3	0	2	0	0	2	2	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	7/11/2012	41.50165	-72.40333	
Greg Bugbee	0.8	Muck	11	3	10.0		0	0	0	0	0	3	0	0	0	0	2	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.5017	-72.40337	
Greg Bugbee	0.8	Muck	11	4	20.0		2	0	0	0	0	4	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	7/11/2012	41.5018	-72.40338	
Greg Bugbee	1.1	Muck	11	5	30.0		3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	7/11/2012	41.50186	-72.4034	
Greg Bugbee	1.0	Silt	11	6	40.0		0	0	0	0	0	4	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	7/11/2012	41.50195	-72.40348	
Greg Bugbee	1.0	Silt	11	7	50.0		0	1	0	0	0	2	0	0	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.50205	-72.40349	
Greg Bugbee	2.0	Silt	11	8	60.0		0	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.50216	-72.40346	
Greg Bugbee	2.0	Silt	11	9	70.0		0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	7/11/2012	41.50224	-72.40346	
Greg Bugbee	2.0	Silt	11	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.50233	-72.40334	



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Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	<i>Brasenia schreberi</i>	<i>Cabomba caroliniana</i>	<i>Callitriche</i> species	<i>Ceratophyllum demersum</i>	<i>Ceratophyllum echinatum</i>	<i>Elatine minima</i>	<i>Eleocharis</i> species	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Isoetes</i> species	<i>Lemna minor</i>	<i>Ludwigia</i> species	<i>Myriophyllum heterophyllum</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton amplifolius</i>	<i>Potamogeton bicupulatus</i>	<i>Potamogeton crispus</i>	<i>Potamogeton ephedrus</i>	<i>Potamogeton pulcher</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton robbinsii</i>	<i>Sagittaria</i> species	<i>Sparganium</i> species	<i>Utricularia gibba</i>	<i>Utricularia macrorhiza</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Vallisneria americana</i>	<i>Wolffia</i> species	Date	Latitude	Longitude			
Greg Bugbee	0.3	Sand	12	1	0.5		0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	2	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	7/11/2012	41.5009	-72.39943	
Greg Bugbee	0.5	Sand	12	2	5.0		0	0	0	0	0	0	3	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.50087	-72.39945
Greg Bugbee	1.0	Sand	12	3	10.0		0	0	0	0	0	0	0	0	0	0	0	4	0	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.50094	-72.39945	
Greg Bugbee	1.5	Silt	12	4	20.0		0	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	7/11/2012	41.50103	-72.39939	
Greg Bugbee	1.9	Silt	12	5	30.0		0	3	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	7/11/2012	41.50112	-72.39947	
Greg Bugbee	2.0	Muck	12	6	40.0		0	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	2	2	0	0	0	0	7/11/2012	41.50125	-72.3994		
Greg Bugbee	2.1	Silt	12	7	50.0		0	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	2	2	0	0	0	0	7/11/2012	41.50133	-72.39941		
Greg Bugbee	2.1	Silt	12	8	60.0		2	3	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	2	0	0	0	0	0	0	2	2	0	0	0	0	7/11/2012	41.5014	-72.39939		
Greg Bugbee	2.1	Silt	12	9	70.0		0	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	7/11/2012	41.50152	-72.39946		
Greg Bugbee	2.2	Silt	12	10	80.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	2	0	0	0	0	7/11/2012	41.50164	-72.39939		
Greg Bugbee	0.2	Muck	13	1	0.5		2	2	0	0	0	0	0	0	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	7/16/2012	41.50218	-72.3945			
Greg Bugbee	0.5	Muck	13	2	5.0		2	0	2	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	7/16/2012	41.50216	-72.39447			
Greg Bugbee	1.0	Muck	13	3	10.0		2	2	0	0	0	0	0	0	0	2	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	7/16/2012	41.50211	-72.39443				
Greg Bugbee	1.2	Muck	13	4	20.0		3	2	0	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7/16/2012	41.50203	-72.39436				
Greg Bugbee	1.0	Muck	13	5	30.0		3	2	0	0	0	0	0	0	0	0	2	2	3	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	7/16/2012	41.50199	-72.3942				
Greg Bugbee	1.0	Muck	13	6	40.0		5	2	0	0	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7/16/2012	41.50193	-72.39416				
Greg Bugbee	1.5	Muck	13	7	50.0		0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	7/16/2012	41.50189	-72.39404			
Greg Bugbee	1.5	Muck	13	8	60.0		0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	7/16/2012	41.50174	-72.39408			
Greg Bugbee	1.8	Muck	13	9	70.0		0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	7/16/2012	41.5017	-72.39396			
Greg Bugbee	1.8	Muck	13	10	80.0		0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	7/16/2012	41.50165	-72.39388			
Greg Bugbee	0.5	Muck	14	1	0.5	Floating Islands	0	0	0	0	0	2	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.49945	-72.38593			
Greg Bugbee	1.0	Muck	14	2	5.0		2	0	0	0	0	2	0	0	0	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	7/16/2012	41.49948	-72.38598				



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Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	<i>Brasenia schreberi</i>	<i>Cabomba caroliniana</i>	<i>Callitriche</i> species	<i>Ceratophyllum demersum</i>	<i>Ceratophyllum echinatum</i>	<i>Elatine minima</i>	<i>Eleocharis</i> species	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Isoetes</i> species	<i>Lemna minor</i>	<i>Ludwigia</i> species	<i>Myriophyllum heterophyllum</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton amplifolius</i>	<i>Potamogeton bicupulatus</i>	<i>Potamogeton crispus</i>	<i>Potamogeton ephedrus</i>	<i>Potamogeton pulcher</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton robbinsii</i>	<i>Sagittaria</i> species	<i>Sparganium</i> species	<i>Utricularia gibba</i>	<i>Utricularia macrorhiza</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Vallisneria americana</i>	<i>Wolffia</i> species	Date	Latitude	Longitude					
Greg Bugbee	2.5	Silt	16	5	30.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.5053	-72.39921		
Greg Bugbee	2.5	Silt	16	6	40.0		0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50527	-72.39933	
Greg Bugbee	2.5	Silt	16	7	50.0		0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.5052	-72.39947	
Greg Bugbee	2.5	Silt	16	8	60.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	7/16/2012	41.50521	-72.39958	
Greg Bugbee	2.5	Silt	16	9	70.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	7/16/2012	41.50526	-72.3997	
Greg Bugbee	2.8	Silt	16	10	80.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50524	-72.39984	
Greg Bugbee	0.3	Sand	17	1	0.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50645	-72.4039	
Greg Bugbee	1.3	Sand	17	2	5.0		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50645	-72.40384	
Greg Bugbee	1.8	Sand	17	3	10.0		0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50645	-72.40379
Greg Bugbee	2.0	Silt	17	4	0.0		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50639	-72.40367
Greg Bugbee	2.3	Silt	17	5	30.0		0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	7/16/2012	41.50648	-72.40353
Greg Bugbee	2.3	Silt	17	6	40.0		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50642	-72.40344
Greg Bugbee	2.3	Silt	17	7	50.0		0	3	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.5064	-72.40333
Greg Bugbee	2.5	Silt	17	8	60.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	7/16/2012	41.50641	-72.40318
Greg Bugbee	2.5	Silt	17	9	70.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50637	-72.40306
Greg Bugbee	2.5	Silt	17	10	80.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50637	-72.40292
Greg Bugbee	0.3	Gravel	18	1	0.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50677	-72.40488
Greg Bugbee	1.0	Gravel	18	2	5.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50681	-72.40491
Greg Bugbee	1.6	Sand	18	3	10.0		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50685	-72.40493
Greg Bugbee	1.8	Silt	18	4	20.0		0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	7/16/2012	41.50689	-72.40507
Greg Bugbee	2.5	Silt	18	5	30.0		0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	7/16/2012	41.5069	-72.40518
Greg Bugbee	2.3	Silt	18	6	40.0		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	7/16/2012	41.50703	-72.40518



Plant abundance is on scale of 1 – 5: 1 = present but rare (1 plant), 2 = occasional (a few plants), 3 = common (more than a few plants), 4 = abundant, 5 = extremely abundant or dominant						**Follow this link to convert decimal degrees to degrees minutes seconds http://www.fcc.gov/mb/audio/bickel/DDMMSS-decimal.html																																						
Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	<i>Brasenia schreberi</i>	<i>Cabomba caroliniana</i>	<i>Callitriche species</i>	<i>Ceratophyllum demersum</i>	<i>Ceratophyllum echinatum</i>	<i>Elatine minima</i>	<i>Eleocharis species</i>	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Isoetes species</i>	<i>Lemna minor</i>	<i>Ludwigia species</i>	<i>Myriophyllum heterophyllum</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton amplifolius</i>	<i>Potamogeton bicupulatus</i>	<i>Potamogeton crispus</i>	<i>Potamogeton epihydrus</i>	<i>Potamogeton pulcher</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton robbinsii</i>	<i>Sagittaria species</i>	<i>Sparganium species</i>	<i>Utricularia gibba</i>	<i>Utricularia macrorhiza</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Vallisneria americana</i>	<i>Wolffia species</i>	Date	Latitude	Longitude				
Greg Bugbee	2.5	Silt	18	7	50.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.5071	-72.40528		
Greg Bugbee	2.5	Silt	18	8	60.0		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50722	-72.4053
Greg Bugbee	2.5	Silt	18	9	70.0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50712	-72.40559	
Greg Bugbee	2.5	Silt	18	10	80.0		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/16/2012	41.50711	-72.40574	

