

*Follow this link to convert decimal degrees to degrees minutes seconds <a href="http://www.fcc.gov/mb/audio/bickel/DDDMSS-decimal.html">http://www.fcc.gov/mb/audio/bickel/DDDMSS-decimal.html</a>						**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																	
Date	Weather	Transect	Latitude*	Longitude	Meters from shore	Utricularia purpurea**	Myriophyllum heterophyllum	Elodea nuttallii	Sparganium sp.	Potamogeton bicupulatus	Callitriche sp.	Ceratophyllum echinatum	Potamogeton ephedrus	Utricularia gibba	Utricularia geminiscapa	Potamogeton pusillus	Brasenia schreberi	Nymphaea odorata	Eleocharis sp.	Najas flexilis	Vallisneria americana	Charaphyte	
9/3/2004	sunny	1	41.48786	-72.40708	0																		
9/3/2004	sunny	1	41.48787	-72.40717	5																		
9/3/2004	sunny	1	41.48788	-72.40723	10																		
9/3/2004	sunny	1	41.48777	-72.40782	20	4																	
9/3/2004	sunny	1	41.48769	-72.40742	30	4																	
9/3/2004	sunny	1	41.48759	-72.40755	40	4																	
9/3/2004	sunny	1	41.48760	-72.40759	50	4																	
9/3/2004	sunny	1	41.48756	-72.40771	60	4																	
9/3/2004	sunny	1	41.48749	-72.40781	70	4	2																
9/3/2004	sunny	1	41.48744	-72.40789	80	4																	
9/3/2004	sunny	2	41.48723	-72.40826	0	4																	
9/3/2004	sunny	2	41.48719	-72.40836	5	4																	
9/3/2004	sunny	2	41.48714	-72.40845	10	4																	
9/3/2004	sunny	2	41.48709	-72.40858	20	4	3																
9/3/2004	sunny	2	41.48704	-72.40869	30																		
9/3/2004	sunny	2	41.48700	-72.40882	40																		
9/3/2004	sunny	2	41.48696	-72.40889	50																		
9/3/2004	sunny	2	41.48691	-72.40904	60	3																	
9/3/2004	sunny	2	41.48686	-72.40913	70																		
9/3/2004	sunny	2	41.48680	-72.40923	80																		
9/3/2004	sunny	3	41.48383	-72.40370	0																		
9/3/2004	sunny	3	41.48383	-72.40370	5	1			3	3	1												
9/3/2004	sunny	3	41.48384	-72.40376	10				3			3	2										
9/3/2004	sunny	3	41.48389	-72.40378	20				4						2							3	
9/3/2004	sunny	3	41.48394	-72.40390	30				4			2			3							2	
9/3/2004	sunny	3	41.48399	-72.40397	40	4	2																
9/3/2004	sunny	3	41.48402	-72.40413	50																		5
9/3/2004	sunny	3	41.48418	-72.40426	60																		5
9/3/2004	sunny	3	41.48426	-72.40437	70																		5
9/3/2004	sunny	3	41.48433	-72.40451	80									2									4



Date	Weather	Transect	Latitude*	Longitude	Meters from shore	Utricularia purpurea**	Myriophyllum heterophyllum	Elodea nuttallii	Sparganium sp.	Potamogeton bicupulatus	Callitriche sp.	Ceratophyllum echinatum	Potamogeton ephedrus	Utricularia gibba	Utricularia geminiscapa	Potamogeton pusillus	Brasenia schreberi	Nymphaea odorata	Eleocharis sp.	Najas flexilis	Vallisneria americana	Charaphyte
9/3/2004	sunny	4	41.48829	-72.40492	0				1													
9/3/2004	sunny	4	41.48830	-72.40493	5			2							2							
9/3/2004	sunny	4	41.48027	-72.40503	10										3							
9/3/2004	sunny	4	41.48827	-72.40519	20																	
9/3/2004	sunny	4	41.48877	-72.40544	30		1															
9/3/2004	sunny	4	41.48835	-72.40570	40	4	2															
9/3/2004	sunny	4	41.48835	-72.40570	50	4																
9/3/2004	sunny	4	41.48832	-72.40572	60	4	2															
9/3/2004	sunny	4	41.48832	-72.40581	70	4	2															
9/3/2004	sunny	4	41.48832	-72.40588	80	4	4															
9/3/2004	sunny	5	41.49262	-72.40824	0																	
9/3/2004	sunny	5	41.49262	-72.40879	5																	
9/3/2004	sunny	5	41.49255	-72.40827	10	4	4															
9/3/2004	sunny	5	41.49257	-72.40799	20		4															
9/3/2004	sunny	5	41.49257	-72.40791	30		4															
9/3/2004	sunny	5	41.49249	-72.40782	40		4															
9/3/2004	sunny	5	41.49242	-72.40771	50		4															
9/3/2004	sunny	5	41.49239	-72.40760	60	2	4															
9/3/2004	sunny	5	41.49233	-72.40751	70		4															
9/3/2004	sunny	5	41.49229	-72.40742	80	3	4															
9/3/2004	sunny	6	41.49477	-72.40604	0				1			2			3							
9/3/2004	sunny	6	41.49474	-72.40609	5										2							
9/3/2004	sunny	6	41.49466	-72.40608	10										2							
9/3/2004	sunny	6	41.49463	-72.40608	20										4							
9/3/2004	sunny	6	41.49454	-72.40609	30		2					3				2						2
9/3/2004	sunny	6	41.49453	-72.40616	40							2				3						3
9/3/2004	sunny	6	41.49444	-72.40620	50							4				3						
9/3/2004	sunny	6	41.49436	-72.40628	60							4				4						
9/3/2004	sunny	6	41.49432	-72.40638	70							2				4						
9/3/2004	sunny	6	41.49426	-72.40645	80											4						
9/3/2004	sunny	7	41.48621	-72.41360	0				2													
9/3/2004	sunny	7	41.48623	-72.41362	5							2			2							
9/3/2004	sunny	7	41.48632	-72.41368	10	2	4							2								
9/3/2004	sunny	7	41.48633	-72.41364	20		4								3							



Date	Weather	Transect	Latitude*	Longitude	Meters from shore	Utricularia purpurea**	Myriophyllum heterophyllum	Elodea nuttallii	Sparganium sp.	Potamogeton bicupulatus	Callitriche sp.	Ceratophyllum echinatum	Potamogeton ephedrus	Utricularia gibba	Utricularia geminiscapa	Potamogeton pusillus	Brasenia schreberi	Nymphaea odorata	Eleocharis sp.	Najas flexilis	Vallisneria americana	Charaphyte
9/3/2004	sunny	7	41.48647	-72.41366	30	3									4							
9/3/2004	sunny	7	41.48656	-72.41369	40	3								2	4							
9/3/2004	sunny	7	41.48660	-72.41362	50	4									4							
9/3/2004	sunny	7	41.48668	-72.41361	60	4									4							
9/3/2004	sunny	7	41.48674	-72.41354	70	3																
9/3/2004	sunny	7	41.48684	-72.41357	80																	
9/3/2004	sunny	8	41.48849	-72.41396	0																	
9/3/2004	sunny	8	41.48858	-72.41396	5																	
9/3/2004	sunny	8	41.48862	-72.41390	10				3													
9/3/2004	sunny	8	41.48866	-72.41379	20				3													
9/3/2004	sunny	8	41.48876	-72.41376	30				3													
9/3/2004	sunny	8	41.48886	-72.41373	40				4													
9/3/2004	sunny	8	41.48894	-72.41369	50				3													
9/3/2004	sunny	8	41.48903	-72.41366	60				3													
9/3/2004	sunny	8	41.48912	-72.41368	70				2													
9/3/2004	sunny	8	41.48922	-72.41367	80				2													2
9/3/2004	sunny	9	41.49397	-72.42136	0														1			
9/3/2004	sunny	9	41.49401	-72.42133	5														4			
9/3/2004	sunny	9	41.49404	-72.42132	10										2							
9/3/2004	sunny	9	41.49411	-72.42122	20	2								1						1		
9/3/2004	sunny	9	41.49420	-72.42117	30	4									2							
9/3/2004	sunny	9	41.49421	-72.42101	40	4																
9/3/2004	sunny	9	41.49415	-72.42081	50	4	2															
9/3/2004	sunny	9	41.49421	-72.42074	60	4	3															
9/3/2004	sunny	9	41.49429	-72.42065	70	4																
9/3/2004	sunny	9	41.49435	-72.42055	80	3																
9/3/2004	sunny	10	41.49742	-72.42374	0	3																
9/3/2004	sunny	10	41.49740	-72.42373	5	3	2								3					2		
9/3/2004	sunny	10	41.49730	-72.42371	10	3			2						4					4		
9/3/2004	sunny	10	41.49725	-72.42366	20	3	3								3							
9/3/2004	sunny	10	41.49713	-72.42359	30	3									3							
9/3/2004	sunny	10	41.49707	-72.42357	40	4			1						4							
9/3/2004	sunny	10	41.49704	-72.42358	50	4									4							
9/3/2004	sunny	10	41.49698	-72.42359	60	4									4							



Date	Weather	Transect	Latitude*	Longitude	Meters from shore	Utricularia purpurea**	Myriophyllum heterophyllum	Elodea nuttallii	Sparganium sp.	Potamogeton bicupulatus	Callitriche sp.	Ceratophyllum echinatum	Potamogeton ephedrus	Utricularia gibba	Utricularia geminiscapa	Potamogeton pusillus	Brasenia schreberi	Nymphaea odorata	Eleocharis sp.	Najas flexilis	Vallisneria americana	Charaphyte
9/3/2004	sunny	10	41.49688	-72.42355	70	4									4							
9/3/2004	sunny	10	41.49678	-72.42351	80										4							
9/3/2004	sunny	11	41.49432	-72.41257	0																	
9/3/2004	sunny	11	41.49429	-72.41255	5	2	2															
9/3/2004	sunny	11	41.49429	-72.41248	10	3	3							2								
9/3/2004	sunny	11	41.49416	-72.41244	20	4	3							2								
9/3/2004	sunny	11	41.49416	-72.41228	30	3								2								
9/3/2004	sunny	11	41.49411	-72.41216	40	3																
9/3/2004	sunny	11	41.49399	-72.41215	50	3	4															
9/3/2004	sunny	11	41.49388	-72.41215	60	3	3							2								
9/3/2004	sunny	11	41.49379	-72.41222	70	4	4	2							2							
9/3/2004	sunny	11	41.49372	-72.41204	80	2								2								
9/3/2004	sunny	12	41.49543	-72.41472	0																	
9/3/2004	sunny	12	41.49539	-72.41474	5	2	4															
9/3/2004	sunny	12	41.49536	-72.41480	10		4															
9/3/2004	sunny	12	41.49530	-72.41489	20	3								2								
9/3/2004	sunny	12	41.49522	-72.41496	30	2	4								3							
9/3/2004	sunny	12	41.49521	-72.41511	40	2	2															
9/3/2004	sunny	12	41.49516	-72.41523	50	3								2		1						
9/3/2004	sunny	12	41.49511	-72.41531	60	3	3	3														
9/3/2004	sunny	12	41.49498	-72.41534	70	3																
9/3/2004	sunny	12	41.49487	-72.41533	80	3																
9/3/2004	sunny	13	41.49929	-72.41647	0	2																
9/3/2004	sunny	13	41.49924	-72.41647	5																	
9/3/2004	sunny	13	41.49920	-72.41650	10										3							
9/3/2004	sunny	13	41.49911	-72.41653	20										3							
9/3/2004	sunny	13	41.49902	-72.41653	30	3																
9/3/2004	sunny	13	41.49894	-72.41659	40	3								2								
9/3/2004	sunny	13	41.49887	-72.41669	50		2															
9/3/2004	sunny	13	41.49874	-72.41653	60	2								3								
9/3/2004	sunny	13	41.49868	-72.41668	70																	
9/3/2004	sunny	13	41.49860	-72.41673	80	3																
9/3/2004	sunny	14	41.49674	-72.42132	0				2				3		2		2	3				
9/3/2004	sunny	14	41.49670	-72.42127	5		2		2				3		2				4			



Date	Weather	Transect	Latitude*	Longitude	Meters from shore	Utricularia purpurea**	Myriophyllum heterophyllum	Elodea nuttallii	Sparganium sp.	Potamogeton bicupulatus	Callitriche sp.	Ceratophyllum echinatum	Potamogeton epihydrus	Utricularia gibba	Utricularia geminiscapa	Potamogeton pusillus	Brasenia schreberi	Nymphaea odorata	Eleocharis sp.	Najas flexilis	Vallisneria americana	Charaphyte
9/3/2004	sunny	14	41.49668	-72.42123	10		3		3				3		1				4			
9/3/2004	sunny	14	41.49661	-72.42114	20		3						3		3				4			
9/3/2004	sunny	14	41.49655	-72.42104	30		3								3				4			
9/3/2004	sunny	14	41.49652	-72.42094	40		3		2						3				4			
9/3/2004	sunny	14	41.49647	-72.42085	50		4							2	3				4			
9/3/2004	sunny	14	41.49638	-72.42077	60				3						2				3			
9/3/2004	sunny	14	41.49636	-72.42065	70		2								3				3	2		
9/3/2004	sunny	14	41.49631	-72.42054	80	4													3			

