

*Follow this link to convert decimal degrees to degrees minutes seconds <a href="http://www.fcc.gov/mb/audio/bickel/DDMMSS-decimal.html">http://www.fcc.gov/mb/audio/bickel/DDMMSS-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	Myriophyllum heterophyllum**	Vallisneria americana	Myriophyllum spicatum	Ceratophyllum demersum	Najas guadalupensis	Potamogeton pusillus	Potamogeton perfoliatus	Utricularia gibba	Utricularia vulgaris	Sparganium sp.	Potamogeton amplifolius	Elatine triandra	Isoetes echinospora		
9/9/2004	rainy and overcast with a strong SE wind	1	41.89275	-73.09068	0															
9/9/2004	rainy and overcast with a strong SE wind	1	41.89279	-73.09073	5															
9/9/2004	rainy and overcast with a strong SE wind	1	41.89279	-73.09079	10															
9/9/2004	rainy and overcast with a strong SE wind	1	41.89283	-73.09090	20	3	1													
9/9/2004	rainy and overcast with a strong SE wind	1	41.89291	-73.09097	30			2												
9/9/2004	rainy and overcast with a strong SE wind	1	41.89296	-73.09106	40			2												
9/9/2004	rainy and overcast with a strong SE wind	1	41.89297	-73.09122	50	2		4												
9/9/2004	rainy and overcast with a strong SE wind	1	41.89309	-73.09127	60	4		4	2											
9/9/2004	rainy and overcast with a strong SE wind	1	41.89308	-73.09140	70	3		3	4	2										
9/9/2004	rainy and overcast with a strong SE wind	1	41.89317	-73.09148	80	3		4	3	2										



Date	Weather	Transect	Latitude*	Longitude	Meters from shore	Myriophyllum heterophyllum**	Vallisneria americana	Myriophyllum spicatum	Ceratophyllum demersum	Najas guadalupensis	Potamogeton pusillus	Potamogeton perfoliatus	Utricularia gibba	Utricularia vulgaris	Sparganium sp.	Potamogeton amplifolius	Elatine triandra	Isoetes echinospora
9/9/2004	rainy and overcast with a strong SE wind	2	41.88996	-73.09291	0													
9/9/2004	rainy and overcast with a strong SE wind	2	41.88999	-73.09289	5													
9/9/2004	rainy and overcast with a strong SE wind	2	41.89003	-73.09284	10													
9/9/2004	rainy and overcast with a strong SE wind	2	41.89021	-73.09273	20													
9/9/2004	rainy and overcast with a strong SE wind	2	41.89017	-73.09270	30													
9/9/2004	rainy and overcast with a strong SE wind	2	41.89026	-73.09264	40 (too deep to sample)													
9/9/2004	rainy and overcast with a strong SE wind	3	41.89249	-73.09727	0													
9/9/2004	rainy and overcast with a strong SE wind	3	41.89254	-73.09727	5		2				2							
9/9/2004	rainy and overcast with a strong SE wind	3	41.89253	-73.09712	10		4					3						
9/9/2004	rainy and overcast with a strong SE wind	3	41.89259	-73.09706	20		4											
9/9/2004	rainy and overcast with a strong SE wind	3	41.89270	-73.09702	30													



Date	Weather	Transect	Latitude*	Longitude	Meters from shore	Myriophyllum heterophyllum**	Vallisneria americana	Myriophyllum spicatum	Ceratophyllum demersum	Najas guadalupensis	Potamogeton pusillus	Potamogeton perfoliatus	Utricularia gibba	Utricularia vulgaris	Sparganium sp.	Potamogeton amplifolius	Elatine triandra	Isoetes echinospora
9/9/2004	rainy and overcast with a strong SE wind	3	41.89281	-73.09701	40		3											
9/9/2004	rainy and overcast with a strong SE wind	3	41.89288	-73.09693	50													
9/9/2004	rainy and overcast with a strong SE wind	3	41.89297	-73.09695	60	2		2										
9/9/2004	rainy and overcast with a strong SE wind	3	41.89307	-73.09696	70													
9/9/2004	rainy and overcast with a strong SE wind	3	41.89311	-73.09677	80													
9/9/2004	rainy and overcast with a strong SE wind	4	41.92238	-73.08373	0													
9/9/2004	rainy and overcast with a strong SE wind	4	41.92234	-73.08371	5													
9/9/2004	rainy and overcast with a strong SE wind	4	41.92229	-73.08368	10					2								
9/9/2004	rainy and overcast with a strong SE wind	4	41.92220	-73.08372	20		2											
9/9/2004	rainy and overcast with a strong SE wind	4	41.92211	-73.08367	30					4								
9/9/2004	rainy and overcast with a strong SE wind	4	41.92202	-73.08363	40					4								



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9/9/2004	rainy and overcast with a strong SE wind	4	41.92915	-73.08353	50			2		4								
9/9/2004	rainy and overcast with a strong SE wind	4	41.92185	-73.08356	60			3		4								
9/9/2004	rainy and overcast with a strong SE wind	4	41.92176	-73.08360	70			3	3	4	2		1					
9/9/2004	rainy and overcast with a strong SE wind	4	41.92167	-73.08353	80			4		4			3					
9/9/2004	rainy and overcast with a strong SE wind	5	41.91895	-73.08022	0					2								
9/9/2004	rainy and overcast with a strong SE wind	5	41.91898	-73.08029	5													
9/9/2004	rainy and overcast with a strong SE wind	5	41.91896	-73.08035	10													
9/9/2004	rainy and overcast with a strong SE wind	5	41.91895	-73.09047	20													
9/9/2004	rainy and overcast with a strong SE wind	5	41.91884	-73.08054	30					4								
9/9/2004	rainy and overcast with a strong SE wind	5	41.91892	-73.08068	40					4								
9/9/2004	rainy and overcast with a strong SE wind	5	41.91880	-73.08079	50				2	4								



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9/9/2004	rainy and overcast with a strong SE wind	5	41.91874	-73.08089	60					4								
9/9/2004	rainy and overcast with a strong SE wind	5	41.91874	-73.08103	70					4								
9/9/2004	rainy and overcast with a strong SE wind	5	41.91865	-73.08109	80					4								
9/9/2004	rainy and overcast with a strong SE wind	6	41.91586	-73.07881	0	2							3	1	4			
9/9/2004	rainy and overcast with a strong SE wind	6	41.91590	-73.07877	5		2				2							
9/9/2004	rainy and overcast with a strong SE wind	6	41.91595	-73.07886	10								2					
9/9/2004	rainy and overcast with a strong SE wind	6	41.91602	-73.07890	20		2				2							
9/9/2004	rainy and overcast with a strong SE wind	6	41.91610	-73.07897	30													
9/9/2004	rainy and overcast with a strong SE wind	6	41.91619	-73.07904	40													
9/9/2004	rainy and overcast with a strong SE wind	6	41.91627	-73.07909	50													
9/9/2004	rainy and overcast with a strong SE wind	6	41.91633	-73.07919	60													



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9/9/2004	rainy and overcast with a strong SE wind	6	41.91637	-73.07930	70													
9/9/2004	rainy and overcast with a strong SE wind	6	41.91645	-73.07938	80													
9/9/2004	rainy and overcast with a strong SE wind	7	41.91719	-73.08492	0													
9/9/2004	rainy and overcast with a strong SE wind	7	41.91724	-73.08492	5													
9/9/2004	rainy and overcast with a strong SE wind	7	41.91729	-73.08492	10													
9/9/2004	rainy and overcast with a strong SE wind	7	41.91737	-73.08487	20		3			4								
9/9/2004	rainy and overcast with a strong SE wind	7	41.91746	-73.08450	30		4			4						2		
9/9/2004	rainy and overcast with a strong SE wind	7	41.91755	-73.08484	40		3	4	2	4								
9/9/2004	rainy and overcast with a strong SE wind	7	41.91763	-73.08475	50				2	4			1					
9/9/2004	rainy and overcast with a strong SE wind	7	41.91772	-73.08477	60					4			1					
9/9/2004	rainy and overcast with a strong SE wind	7	41.91781	-73.08475	70	2				4			1			1		



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9/9/2004	rainy and overcast with a strong SE wind	7	41.91791	-73.08474	80					2			1					
9/9/2004	rainy and overcast with a strong SE wind	8	41.92147	-73.08744	0													
9/9/2004	rainy and overcast with a strong SE wind	8	41.92150	-73.08738	5					2					2			
9/9/2004	rainy and overcast with a strong SE wind	8	41.92152	-73.08727	10					3								
9/9/2004	rainy and overcast with a strong SE wind	8	41.92147	-73.08720	20					4								
9/9/2004	rainy and overcast with a strong SE wind	8	41.92142	-73.08708	30			2		4								
9/9/2004	rainy and overcast with a strong SE wind	8	41.92136	-73.08698	40			3										
9/9/2004	rainy and overcast with a strong SE wind	8	41.92131	-73.08688	50			3	2									
9/9/2004	rainy and overcast with a strong SE wind	8	41.92127	-73.08676	60				2									
9/9/2004	rainy and overcast with a strong SE wind	8	41.92128	-73.08664	70			2	2	2								
9/9/2004	rainy and overcast with a strong SE wind	8	41.92113	-73.08658	80					2								



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9/10/2004	cloudy	9	41.90076	-73.09580	0										3			
9/10/2004	cloudy	9	41.90081	-73.09585	5		3											
9/10/2004	cloudy	9	41.90083	-73.09589	10		3											
9/10/2004	cloudy	9	41.90089	-73.09597	20		4						2					
9/10/2004	cloudy	9	41.90098	-73.09602	30		3											
9/10/2004	cloudy	9	41.90101	-73.09616	40		3											
9/10/2004	cloudy	9	41.90105	-73.09627	50		3					3						
9/10/2004	cloudy	9	41.90109	-73.09658	60							3					4	
9/10/2004	cloudy	9	41.90106	-73.09657	70							3					4	
9/10/2004	cloudy	9	41.90110	-73.09666	80							3					3	
9/10/2004	cloudy	10	41.90093	-73.09468	0													
9/10/2004	cloudy	10	41.90089	-73.09466	5		3			4								
9/10/2004	cloudy	10	41.90088	-73.09460	10		3			4								
9/10/2004	cloudy	10	41.90083	-73.09450	20		3			4								
9/10/2004	cloudy	10	41.90081	-73.09435	30		4											
9/10/2004	cloudy	10	41.90076	-73.09427	40		4											
9/10/2004	cloudy	10	41.90076	-73.09412	50													
9/10/2004	cloudy	10	41.90079	-73.09398	60													
9/10/2004	cloudy	10	41.90071	-73.09389	70													
9/10/2004	cloudy	10	41.90067	-73.09380	80													
9/14/2004	sunny	11	41.91914	-73.08907	0		2											
9/14/2004	sunny	11	41.91912	-73.08903	5													
9/14/2004	sunny	11	41.91911	-73.08897	10		4											
9/14/2004	sunny	11	41.91906	-73.08886	20					4								
9/14/2004	sunny	11	41.91901	-73.08876	30													
9/14/2004	sunny	11	41.91901	-73.08862	40													
9/14/2004	sunny	11	41.91814	-73.08852	50													
9/14/2004	sunny	11	41.91885	-73.08846	60													
9/14/2004	sunny	11	41.91880	-73.08838	70													
9/14/2004	sunny	11	41.91880	-73.08824	80													
9/14/2004	sunny	12	41.91741	-73.09065	0		2			2								
9/14/2004	sunny	12	41.91737	-73.09061	5					3								
9/14/2004	sunny	12	41.91741	-73.09052	10													





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9/14/2004	sunny	12	41.91740	-73.09041	20					2								
9/14/2004	sunny	12	41.91735	-73.09029	30					4								
9/14/2004	sunny	12	41.91737	-73.09016	40		2		2	4								
9/14/2004	sunny	12	41.91739	-73.09004	50		2		3	4								
9/14/2004	sunny	12	41.91738	-73.08992	60													
9/14/2004	sunny	12	41.91734	-73.08981	70													
9/14/2004	sunny	12	41.91733	-73.08968	80													
9/14/2004	sunny	13	41.91665	-73.08875	0													
9/14/2004	sunny	13	41.91668	-73.08878	5													
9/14/2004	sunny	13	41.91673	-73.08871	10		2				2							
9/14/2004	sunny	13	41.91681	-73.08887	20		3			4								
9/14/2004	sunny	13	41.91687	-73.08896	30		3			4								
9/14/2004	sunny	13	41.91693	-73.08906	40					2								
9/14/2004	sunny	13	41.91701	-73.08913	50													
9/14/2004	sunny	13	41.91710	-73.08916	60													
9/14/2004	sunny	13	41.91717	-73.08921	70													
9/14/2004	sunny	13	41.91726	-73.08926	80													
9/14/2004	sunny	14	41.91649	-73.09140	0													
9/14/2004	sunny	14	41.91645	-73.09137	5				2	4								
9/14/2004	sunny	14	41.91641	-73.09133	10					4								
9/14/2004	sunny	14	41.91635	-73.09126	20				2	4						2		
9/14/2004	sunny	14	41.91629	-73.09116	30 (too deep to sample)													
9/14/2004	sunny	15	41.91466	-73.09424	0													
9/14/2004	sunny	15	41.91463	-73.09421	5													
9/14/2004	sunny	15	41.91462	-73.09414	10													
9/14/2004	sunny	15	41.91456	-73.09405	20													
9/14/2004	sunny	15	41.91451	-73.09394	30													
9/14/2004	sunny	15	41.91441	-73.09389	40													
9/14/2004	sunny	15	41.91434	-73.09382	50 (too deep to sample)													



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9/14/2004	sunny	16	41.91169	-73.09619	0													
9/14/2004	sunny	16	41.91166	-73.09613	5 (too deep to sample)													
9/14/2004	sunny	17	41.90941	-73.09604	0													
9/14/2004	sunny	17	41.90942	-73.09599	5													
9/14/2004	sunny	17	41.90942	-73.09592	10		2											
9/14/2004	sunny	17	41.90945	-73.09581	20													
9/14/2004	sunny	17	41.90950	-73.09570	30													
9/14/2004	sunny	17	41.90949	-73.09557	40													
9/14/2004	sunny	17	41.90952	-73.09546	50													
9/14/2004	sunny	17	41.91095	-73.09532	60 (too deep to sample)													
9/14/2004	sunny	18	41.90913	-73.09373	0													
9/14/2004	sunny	18	41.90911	-73.09380	5						2							
9/14/2004	sunny	18	41.90917	-73.09385	10		2			4		4						
9/14/2004	sunny	18	41.90922	-73.09409	20			2		4			1					
9/14/2004	sunny	18	41.90921	-73.09410	30			2										
9/14/2004	sunny	18	41.90922	-73.09422	40	3												
9/14/2004	sunny	18	41.90918	-73.09435	50													
9/14/2004	sunny	18	41.90921	-73.09446	60													
9/14/2004	sunny	18	41.90913	-73.09459	70													
9/14/2004	sunny	18	41.90916	-73.09471	80													
9/14/2004	sunny	19	41.91378	-73.09030	0													
9/14/2004	sunny	19	41.91381	-73.09035	5													
9/14/2004	sunny	19	41.91383	-73.09041	10		3											
9/14/2004	sunny	19	41.91385	-73.09053	20													
9/14/2004	sunny	19	41.91386	-73.09066	30 (too deep to sample)													
9/14/2004	sunny	20	41.91246	-73.08971	0													
9/14/2004	sunny	20	41.91247	-73.08978	5		3											



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9/14/2004	sunny	20	41.91245	-73.08984	10					2								
9/14/2004	sunny	20	41.91245	-73.08996	20					4								
9/14/2004	sunny	20	41.91242	-73.09008	30			4		2								
9/14/2004	sunny	20	41.91243	-73.09021	40	2		3										
9/14/2004	sunny	20	41.91243	-73.09032	50	2		3										
9/14/2004	sunny	20	41.91237	-73.09043	60													
9/14/2004	sunny	20	41.91237	-73.09056	70													
9/14/2004	sunny	20	41.91237	-73.09068	80													
9/14/2004	sunny	21	41.91143	-73.09018	0													
9/14/2004	sunny	21	41.91146	-73.09022	5					2								
9/14/2004	sunny	21	41.91152	-73.09022	10					2								
9/14/2004	sunny	21	41.91160	-73.09023	20		3			4								
9/14/2004	sunny	21	41.91166	-73.09039	30					4								
9/14/2004	sunny	21	41.91179	-73.09029	40			3		3								
9/14/2004	sunny	21	41.91182	-73.09047	50	3			2									
9/14/2004	sunny	21	41.91188	-73.09058	60					2								
9/14/2004	sunny	21	41.91195	-73.09067	70					2								
9/14/2004	sunny	21	41.91199	-73.09078	80													
9/14/2004	sunny	22	41.91137	-73.08887	0										2			
9/14/2004	sunny	22	41.91138	-73.08894	5		3											
9/14/2004	sunny	22	41.91139	-73.08899	10		4											
9/14/2004	sunny	22	41.91148	-73.08907	20		4											
9/14/2004	sunny	22	41.91156	-73.08914	30		4											
9/14/2004	sunny	22	41.91160	-73.08924	40		3											
9/14/2004	sunny	22	41.91162	-73.08937	50		2											
9/14/2004	sunny	22	41.91166	-73.08951	60		4			2								
9/14/2004	sunny	22	41.91173	-73.08958	70		4											
9/14/2004	sunny	22	41.91174	-73.08971	80		4											
9/14/2004	sunny	23	41.90747	-73.09232	0		2			2					2			
9/14/2004	sunny	23	41.90742	-73.09235	5		2											
9/14/2004	sunny	23	41.90738	-73.09237	10		4				3							
9/14/2004	sunny	23	41.90734	-73.09250	20		4			2								
9/14/2004	sunny	23	41.90730	-73.09261	30	2		2		4								



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9/14/2004	sunny	23	41.90728	-73.09274	40			4		4								
9/14/2004	sunny	23	41.90730	-73.09289	50			4								2		
9/14/2004	sunny	23	41.90730	-73.09301	60	1				1	3							
9/14/2004	sunny	23	41.90734	-73.09316	70	2												
9/14/2004	sunny	23	41.90725	-73.09326	80	2				1								
9/14/2004	sunny	24	41.90395	-73.08908	0		2			2					2			
9/14/2004	sunny	24	41.90397	-73.08916	5		2											
9/14/2004	sunny	24	41.90393	-73.08923	10		4				3							
9/14/2004	sunny	24	41.90391	-73.08936	20		4			2								
9/14/2004	sunny	24	41.90392	-73.08947	30	2		2		4								
9/14/2004	sunny	24	41.90392	-73.08959	40			4		4								
9/14/2004	sunny	24	41.90390	-73.08971	50			4								2		
9/14/2004	sunny	24	41.90392	-73.08982	60	1				1	3							
9/14/2004	sunny	24	41.90386	-73.08994	70	2												
9/14/2004	sunny	24	41.90389	-73.09007	80	2				1								
9/15/2004	sunny	25	41.90150	-73.08886	0													
9/15/2004	sunny	25	41.90154	-73.08890	5													
9/15/2004	sunny	25	41.90150	-73.08897	10		3											
9/15/2004	sunny	25	41.90150	-73.08910	20						2							
9/15/2004	sunny	25	41.90149	-73.08923	30													
9/15/2004	sunny	25	41.90148	-73.08936	40 (too deep to sample)													
9/15/2004	sunny	26	41.89845	-73.08941	0													
9/15/2004	sunny	26	41.89848	-73.08946	5													
9/15/2004	sunny	26	41.89849	-73.08951	10		2											
9/15/2004	sunny	26	41.89851	-73.08965	20													
9/15/2004	sunny	26	41.89851	-73.08977	30													
9/15/2004	sunny	26	41.89850	-73.08989	40 (too deep to sample)													
9/15/2004	sunny	27	41.89595	-73.08884	0													
9/15/2004	sunny	27	41.89597	-73.08890	5													



Date	Weather	Transect	Latitude*	Longitude	Meters from shore	Myriophyllum heterophyllum**	Vallisneria americana	Myriophyllum spicatum	Ceratophyllum demersum	Najas guadalupensis	Potamogeton pusillus	Potamogeton perfoliatus	Utricularia gibba	Utricularia vulgaris	Sparganium sp.	Potamogeton amplifolius	Elatine triandra	Isoetes echinospora
9/15/2004	sunny	27	41.89598	-73.08896	10													2
9/15/2004	sunny	27	41.89592	-73.08909	20											3		
9/15/2004	sunny	27	41.89593	-73.08919	30											3		
9/15/2004	sunny	27	41.89593	-73.08932	40						2					2		
9/15/2004	sunny	27	41.89591	-73.08945	50													
9/15/2004	sunny	27	41.89582	-73.08955	60													
9/15/2004	sunny	27	41.89583	-73.08968	70													
9/15/2004	sunny	27	41.89584	-73.08980	80 (too deep to sample)													
9/15/2004	sunny	28	41.89681	-73.09566	0													
9/15/2004	sunny	28	41.89682	-73.09560	5		4											
9/15/2004	sunny	28	41.89680	-73.09554	10		4									2		
9/15/2004	sunny	28	41.89687	-73.09543	20													
9/15/2004	sunny	28	41.89690	-73.09531	30													
9/15/2004	sunny	28	41.89685	-73.09518	40													
9/15/2004	sunny	28	41.89682	-73.09505	50													
9/15/2004	sunny	28	41.89678	-73.09492	60													
9/15/2004	sunny	28	41.89679	-73.09481	70													
9/15/2004	sunny	28	41.89679	-73.09468	80													

