

*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	Substrate	Weather	Wind Direction	Transect Number	Points	Meters from Shore	Notes	Brasenia schreberi*	Ceratophyllum echinatum	Eleocharis sp.	Elodea nuttallii	Gratiola aurea	Isoetes echinospora	Myriophyllum heterophyllum	Myriophyllum spicatum	Najas guadalupensis	Nuphar variegata	Pontederia cordata	Potamogeton amplifolius	Potamogeton ephedrus	Potamogeton bicupulatus	Utricularia gibba	Utricularia purpurea	Utricularia vulgaris	Vallisneria americana	Date	Latitude**	Longitude
Robert Capers	0.3	Sand	Cloudy	South	1	1	0	u. gibba collected	4	0	1	0	3	0	0	0	0	3	0	1	3	0	2	0	3	4	7/25/2005	41.87279	-73.09711
Robert Capers	0.6	Sand	partially sunny	South	1	2	5		4	0	0	0	3	0	0	0	0	0	0	2	0	0	0	2	0	3	7/25/2005	41.87274	-73.09706
Robert Capers	0.8	Silt	Cloudy	South	1	3	10		4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	7/25/2005	41.87270	-73.09705
Robert Capers	1.4	Silt	partially sunny	South	1	4	20		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	4	0	4	7/25/2005	41.87264	-73.09700
Robert Capers	2	Silt	Cloudy	South	1	5	30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	7/25/2005	41.87255	-73.09693
Robert Capers	2.2	Silt	partially sunny	South	1	6	40		0	0	0	0	0	0	0	3	0	1	0	0	2	0	2	4	0	4	7/25/2005	41.87243	-73.09686
Robert Capers	2	Silt			1	7	50		0	0	0	0	0	0	0	3	3	1	0	0	0	0	2	3	0	0	7/25/2005	41.87236	-73.09683
Robert Capers	2.2	Silt	Cloudy	South	1	8	60		0	0	0	0	0	0	0	3	4	2	0	0	0	0	0	4	0	0	7/25/2005	41.87230	-73.09680
Robert Capers	2	Silt	partially sunny	South	1	9	70		0	0	0	0	0	0	0	4	4	2	0	0	0	0	0	4	0	4	7/25/2005	41.87220	-73.09673
Robert Capers	2.2	Silt	partially sunny	South	1	10	80		0	0	0	2	0	0	0	3	4	2	0	0	0	0	0	4	0	0	7/25/2005	41.87211	-73.09662
Robert Capers	0.3	Silt	sunny		2	1	0		4	0	0	0	0	0	0	0	0	3	0	0	2	0	3	3	1	0	7/26/2005	41.87195	-73.09876
Robert Capers	0.4	Sand	sunny	Southeast	2	2	5		4	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0	0	7/26/2005	41.87190	-73.09871



Surveyor	Depth	Substrate	Weather	Wind Direction	Transect Number	Points	Meters from Shore	Notes	Brasenia schreberi*	Ceratophyllum echinatum	Eleocharis sp.	Elodea nuttallii	Gratiola aurea	Isoetes echinospora	Myriophyllum heterophyllum	Myriophyllum spicatum	Najas guadalupensis	Nuphar variegata	Pontederia cordata	Potamogeton amplifolius	Potamogeton epiphydrus	Potamogeton bicupulatus	Utricularia gibba	Utricularia purpurea	Utricularia vulgaris	Vallisneria americana	Date	Latitude**	Longitude
Robert Capers	0.4	Silt	sunny		2	3	10		3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	7/26/2005	41.87188	-73.09867
Robert Capers	0.7	Silt	sunny	Southeast	2	4	20		4	0	0	0	0	0	0	2	0	2	0	0	0	0	3	4	0	3	7/26/2005	41.87180	-73.09859
Robert Capers	0.8	Silt	sunny	Southeast	2	5	30		4	0	0	0	0	0	0	2	0	0	0	0	0	0	0	5	0	2	7/26/2005	41.87175	-73.09853
Robert Capers	0.8	Silt			2	6	40		3	0	0	0	0	0	0	2	0	0	2	0	0	0	0	5	0	0	7/26/2005	41.87166	-73.09844
Robert Capers	1.5	Silt	sunny	Southeast	2	7	50		0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	5	0	4	7/26/2005	41.87161	-73.09834
Robert Capers	1.8	Silt	sunny	Southeast	2	8	60		0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	5	0	4	7/26/2005	41.87154	-73.09824
Robert Capers	0				2	9	70		0	0	0	0	0	0	0	3	2	2	0	0	3	0	0	4	0	4	7/26/2005	41.87143	-73.09823
Robert Capers	2.4	Silt	sunny	North	2	10	80		4	0	0	0	0	0	0	3	4	0	0	0	0	0	3	4	0	4	7/26/2005	41.87140	-73.09808
Robert Capers	0.3	Silt	sunny	East	3	1	0	eleocharis collected	4	0	2	2	0	0	0	3	0	2	0	0	2	2	3	0	3	0	7/26/2005	41.87014	-73.09918
Robert Capers	0.7	Silt	sunny	Southeast	3	2	5		3	0	0	0	0	0	0	3	0	0	0	0	2	0	2	3	2	3	7/26/2005	41.87014	-73.09911
Robert Capers	2	Silt	sunny		3	3	10		3	0	2	3	0	0	0	3	0	0	0	0	0	0	0	3	0	0	7/26/2005	41.87013	-73.09905
Robert Capers	2.3	Silt	sunny	Southeast	3	4	20		0	0	0	3	0	0	0	4	2	0	0	0	0	0	0	0	0	0	7/26/2005	41.87009	-73.09893
Robert Capers	2.7	Silt	sunny	East	3	5	30		0	4	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	7/26/2005	41.87002	-73.09886
Robert Capers	2.6	Silt	sunny	East	3	6	40		0	0	0	4	0	0	0	4	0	2	0	0	2	0	0	0	0	0	7/26/2005	41.86999	-73.09872



Surveyor	Depth	Substrate	Weather	Wind Direction	Transect Number	Points	Meters from Shore	Notes	Brasenia schreberi*	Ceratophyllum echinatum	Eleocharis sp.	Elodea nuttallii	Gratiola aurea	Isoetes echinospora	Myriophyllum heterophyllum	Myriophyllum spicatum	Najas guadalupensis	Nuphar variegata	Pontederia cordata	Potamogeton amplifolius	Potamogeton epiphydrus	Potamogeton bicupulatus	Utricularia gibba	Utricularia purpurea	Utricularia vulgaris	Vallisneria americana	Date	Latitude**	Longitude			
Robert Capers	2.6	Silt	sunny	Southeast	3	7	50		0	0	0	4	0	0	0	4	2	2	0	0	0	0	0	0	0	0	0	0	0	7/26/2005	41.86998	-73.09860
Robert Capers	2.7	Silt	sunny	Southeast	3	8	60		0	0	0	4	0	0	0	3	2	2	0	0	0	0	0	0	0	0	0	0	0	7/26/2005	41.86989	-73.09849
Robert Capers	2.6	Silt	sunny		3	9	70		0	0	0	3	0	0	0	3	3	0	0	0	0	0	0	0	3	0	0	0	7/26/2005	41.86994	-73.09835	
Robert Capers	2.7	Silt	sunny	South	3	10	80		0	0	0	0	0	0	0	4	3	0	0	0	0	0	0	2	4	0	0	0	7/26/2005	41.86994	-73.09830	
Robert Capers	1.8	Silt	sunny		4	1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7/26/2005	41.86899	-73.09931		
Robert Capers	2	Silt	sunny	Southeast	4	2	5		0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	7/26/2005	41.86894	-73.09929		
Robert Capers	2.6	Silt	sunny	Southeast	4	3	10		0	0	0	3	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	7/26/2005	41.86891	-73.09921		
Robert Capers	2.5	Silt	sunny		4	4	20		0	0	0	3	0	0	0	3	4	0	0	0	0	0	2	0	0	0	7/26/2005	41.86887	-73.09907			
Robert Capers	2.7	Silt	sunny	Southeast	4	5	30		0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	4	0	0	7/26/2005	41.86884	-73.09900			
Robert Capers	2.7	Silt			4	6	40		0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	4	0	2	7/26/2005	41.86881	-73.09888			
Robert Capers	2.7	Silt	sunny	Southeast	4	7	50		0	0	0	0	0	0	0	3	4	0	0	0	0	0	2	4	0	0	7/26/2005	41.86871	-73.09883			
Robert Capers	2.7	Silt			4	8	60		0	0	0	0	0	0	0	2	4	0	0	0	0	0	2	4	0	0	7/26/2005	41.86872	-73.09869			
Robert Capers	2.7	Silt	sunny	Southeast	4	9	70		0	0	0	0	0	0	0	3	4	0	0	0	0	0	2	4	0	0	7/26/2005	41.86868	-73.09855			
Robert Capers	2.7	Silt	sunny	Southeast	4	10	80		0	0	0	0	0	0	0	3	4	0	0	0	0	0	3	4	0	0	7/26/2005	41.86863	-73.09839			



Surveyor	Depth	Substrate	Weather	Wind Direction	Transect Number	Points	Meters from Shore	Notes	Brasenia schreberi*	Ceratophyllum echinatum	Eleocharis sp.	Elodea nuttallii	Gratiola aurea	Isoetes echinospora	Myriophyllum heterophyllum	Myriophyllum spicatum	Najas guadalupensis	Nuphar variegata	Pontederia cordata	Potamogeton amplifolius	Potamogeton epiphydrus	Potamogeton bicupulatus	Utricularia gibba	Utricularia purpurea	Utricularia vulgaris	Vallisneria americana	Date	Latitude**	Longitude
Robert Capers	0.3	Silt	sunny	East	5	1	0		0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	3	0	0	7/26/2005	41.86618	-73.10272
Robert Capers	0.4	Silt			5	2	5		0	0	0	0	0	0	0	2	0	2	0	0	3	0	0	3	0	3	7/26/2005	41.86619	-73.10265
Robert Capers	1.9	Silt	sunny	Northeast	5	3	10		0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	4	0	3	7/26/2005	41.86619	-73.10259
Robert Capers	2	Silt	sunny		5	4	20		2	0	0	0	0	0	0	4	4	0	0	0	0	0	0	5	0	0	7/26/2005	41.86622	-73.10246
Robert Capers	2	Silt			5	5	30		3	0	0	0	0	0	0	4	4	2	0	0	0	0	0	4	2	0	7/26/2005	41.86623	-73.10234
Robert Capers	2	Silt	sunny		5	6	40		0	0	0	0	0	0	0	4	0	0	0	0	1	0	0	4	0	2	7/26/2005	41.86625	-73.10221
Robert Capers	2	Silt	sunny	Northeast	5	7	50		2	0	0	2	0	0	0	4	0	0	0	0	0	0	0	5	0	0	7/26/2005	41.86627	-73.10209
Robert Capers	2	Silt	sunny	East	5	8	60		0	0	0	3	0	0	0	3	3	0	0	0	0	0	0	4	0	0	7/26/2005	41.86628	-73.10198
Robert Capers	2	Silt	sunny	North	5	9	70		0	0	0	2	0	0	0	3	3	0	0	0	0	0	3	3	0	0	7/26/2005	41.86632	-73.10185
Robert Capers	2	Silt	sunny	South	5	10	80		0	0	0	2	0	0	0	3	0	0	0	0	1	1	0	4	0	0	7/26/2005	41.86638	-73.10173
Robert Capers	0.2	Silt	sunny	South	6	1	0		2	0	3	0	0	0	0	2	0	0	0	0	0	0	2	0	0	2	7/26/2005	41.86616	-73.09688
Robert Capers	0.7	Silt			6	2	5		0	0	0	0	0	2	0	2	0	0	0	0	1	0	0	0	0	2	7/26/2005	41.86612	-73.09691
Robert Capers	1.7	Silt			6	3	10		0	0	0	0	0	2	0	3	2	0	0	0	0	0	2	3	0	0	7/26/2005	41.86610	-73.09700
Robert Capers	2	Silt			6	4	20		0	0	0	1	0	0	0	4	1	0	0	0	2	0	0	4	0	0	7/26/2005	41.86606	-73.09708



Surveyor	Depth	Substrate	Weather	Wind Direction	Transect Number	Points	Meters from Shore	Notes	Brasenia schreberi*	Ceratophyllum echinatum	Eleocharis sp.	Elodea nuttallii	Gratiola aurea	Isoetes echinospora	Myriophyllum heterophyllum	Myriophyllum spicatum	Najas guadalupensis	Nuphar variegata	Pontederia cordata	Potamogeton amplifolius	Potamogeton epiphydrus	Potamogeton bicupulatus	Utricularia gibba	Utricularia purpurea	Utricularia vulgaris	Vallisneria americana	Date	Latitude**	Longitude	
Robert Capers	2.1	Silt			6	5	30		0	0	0	1	0	0	0	4	4	0	0	0	0	0	0	1	4	0	0	7/26/2005	41.86603	-73.09722
Robert Capers	2.5	Silt	sunny	East	6	6	40		0	0	0	1	0	0	0	4	0	0	0	0	0	0	0	0	4	0	0	7/26/2005	41.86599	-73.09735
Robert Capers	2.6	Silt	sunny		6	7	50		0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	4	0	0	7/26/2005	41.86591	-73.09745
Robert Capers	2.6	Silt			6	8	60		0	0	0	0	0	0	0	2	4	0	0	0	2	0	0	0	5	0	0	7/26/2005	41.86594	-73.09750
Robert Capers	2.3	Silt	sunny		6	9	70		0	0	0	2	0	0	0	4	2	0	0	0	2	0	2	4	0	0	7/26/2005	41.86588	-73.09765	
Robert Capers	2.3	Silt	sunny		6	10	80		0	0	0	0	0	0	0	3	4	0	0	0	3	0	0	0	4	0	0	7/26/2005	41.86594	-73.09782
Robert Capers	0.5	Silt	sunny		7	1	0		0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4	7/26/2005	41.86739	-73.09663
Robert Capers	1.7	Silt	sunny		7	2	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	3	7/26/2005	41.86743	-73.09662	
Robert Capers	2.5		sunny		7	3	10		0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	3	0	0	7/26/2005	41.86749	-73.09661	
Robert Capers	2.5	Silt	sunny		7	4	20		0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	4	0	0	7/26/2005	41.86759	-73.09664
Robert Capers	2.8				7	5	30		0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	4	0	0	7/26/2005	41.86766	-73.09665
Robert Capers	2.8	Silt	sunny	South	7	6	40		0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	0	4	0	0	7/26/2005	41.86776	-73.09673
Robert Capers	3	Silt			7	7	50		0	0	0	0	0	0	0	4	0	0	0	0	3	0	0	4	0	0	7/26/2005	41.86788	-73.09669	
Robert Capers	3	Silt	sunny	West	7	8	60		0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	4	0	0	7/26/2005	41.86791	-73.09679	



Surveyor	Depth	Substrate	Weather	Wind Direction	Transect Number	Points	Meters from Shore	Notes	Brasenia schreberi*	Ceratophyllum echinatum	Eleocharis sp.	Elodea nuttallii	Gratiola aurea	Isoetes echinospora	Myriophyllum heterophyllum	Myriophyllum spicatum	Najas guadalupensis	Nuphar variegata	Pontederia cordata	Potamogeton amplifolius	Potamogeton epiphydrus	Potamogeton bicupulatus	Utricularia gibba	Utricularia purpurea	Utricularia vulgaris	Vallisneria americana	Date	Latitude**	Longitude
Robert Capers	3.3	Silt			7	9	70		0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	4	0	0	7/26/2005	41.86801	-73.09682
Robert Capers	3.3	Silt	sunny	West	7	10	80		0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4	0	0	7/26/2005	41.86811	-73.09688
Robert Capers	0.3	Gravel	sunny	South	8	1	0		0	0	2	2	2	0	0	0	0	0	0	0	2	0	0	0	0	3	7/26/2005	41.87067	-73.09427
Robert Capers	1.8	Silt	sunny	South	8	2	5		0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	7/26/2005	41.87063	-73.09431
Robert Capers	2	Silt	sunny		8	3	10		0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	3	7/26/2005	41.87066	-73.09436
Robert Capers	2.5	Silt			8	4	20		0	0	0	3	0	0	0	3	3	0	0	0	0	0	0	4	0	4	7/26/2005	41.87070	-73.09453
Robert Capers	2.5	Silt	sunny	South	8	5	30		0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	4	0	0	7/26/2005	41.87074	-73.09465
Robert Capers	2.7	Silt	sunny	South	8	6	40		0	0	0	2	0	0	0	4	2	0	0	0	0	0	2	4	0	0	7/26/2005	41.87076	-73.09474
Robert Capers	2.5	Silt	sunny	South	8	7	50		0	0	0	0	0	0	0	4	2	0	0	0	2	0	0	4	0	0	7/26/2005	41.87085	-73.09486
Robert Capers	2.3	Silt	sunny	South	8	8	60		0	0	0	0	0	0	0	4	2	0	0	0	0	0	0	4	0	0	7/26/2005	41.87082	-73.09497
Robert Capers	2.3	Silt	sunny	South	8	9	70		0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	3	0	3	7/26/2005	41.87086	-73.09511
Robert Capers	2.4	Silt	sunny	South	8	10	80		0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	4	0	3	7/26/2005	41.87091	-73.09525
Robert Capers	0.3	Silt	sunny	South	9	1	0		3	0	0	0	0	0	0	0	0	2	0	0	2	0	0	3	0	4	7/26/2005	41.87386	-73.09376
Robert Capers	0.4	Silt	sunny	Southeast	9	2	5		0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	4	7/26/2005	41.87382	-73.09379



Surveyor	Depth	Substrate	Weather	Wind Direction	Transect Number	Points	Meters from Shore	Notes	Brasenia schreberi*	Ceratophyllum echinatum	Eleocharis sp.	Elodea nuttallii	Gratiola aurea	Isoetes echinospora	Myriophyllum heterophyllum	Myriophyllum spicatum	Najas guadalupensis	Nuphar variegata	Pontederia cordata	Potamogeton amplifolius	Potamogeton epiphydrus	Potamogeton bicupulatus	Utricularia gibba	Utricularia purpurea	Utricularia vulgaris	Vallisneria americana	Date	Latitude**	Longitude		
Robert Capers	1.2	Silt	sunny	South	9	3	10		0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	7/26/2005	41.87378	-73.09385
Robert Capers	1.9	Silt	sunny	South	9	4	20	chara very abundant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7/26/2005	41.87373	-73.09391	
Robert Capers	1.9	Silt	sunny	South	9	5	30	chara abundant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7/26/2005	41.87362	-73.09397		
Robert Capers	2	Silt	sunny	South	9	6	40	chara abundant	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	4	7/26/2005	41.87355	-73.09407		
Robert Capers	2	Silt	sunny	South	9	7	50		0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	4	0	4	7/26/2005	41.87346	-73.09406		
Robert Capers	2	Silt	sunny	South	9	8	60		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	7/26/2005	41.87340	-73.09416		
Robert Capers	2.1	Silt	sunny	South	9	9	70	chara very abundant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7/26/2005	41.87331	-73.09418		
Robert Capers	2.1	Silt	sunny	South	9	10	80	chara abundant	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7/26/2005	41.87322	-73.09424		

