Mudge Pond, Sharon

Transect Data

Surveyed by Greg Bugbee, Jennifer Fanzutti, and Jesse Schock

Plant Abundance is on a 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 into degrees minutes seconds https://www.fcc.gov/encyclopedia/degrees-minutes-seconds-tofrom-decimaldegrees

Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	*Brasenia schreberi*	*Cabomba caroliniana*	*Ceratophyllum demersum*	*Eleocharis species*	*Elodea canadensis*	*Juncas species*	*Myriophyllum spicatum*	*Najas flexilis*	*Nuphar variegata*	*Nymphaea odorata*	*Polygonum species*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton crispus*	*Potamogeton illinoensis*	*Potamogeton natans*	*Potamogeton nodosus*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Ranunculus longirostris*	*Sagittaria species*	*Trapa natans*	*Typha species*	*Unidentified sedge*	*Utricularia gibba*	*Utricularia intermedia*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	*Zannichellia palistris*	*Zosterella dubia*	Date	Longitude	Latitude
Jesse Schock	0.3	Silt	1	1	0.5		0	2	0	0	0	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	9/17/2015	-73.47884	41.89477
Jennifer Fanzutti	1.0	Silt	1	2	5		0	3	2	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	9/17/2015	-73.47889	41.89479
Jennifer Fanzutti	1.1	Silt	1	3	10		0	5	2	0	0	0	2	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	9/17/2015	-73.47891	41.89482
Jennifer Fanzutti	1.2	Silt	1	4	20		0	5	2	0	2	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	9/17/2015	-73.47900	41.89488
Jennifer Fanzutti	1.1	Silt	1	5	30		0	4	2	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	0	0	0	0	9/17/2015	-73.47908	41.89494
Jennifer Fanzutti	1.1	Silt	1	6	40	collected potill	0	3	3	0	2	0	3	0	0	4	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	2	0	3	0	0	0	0	9/17/2015	-73.47918	41.89500
Jennifer Fanzutti	0.9	Silt	1	7	50		0	4	3	0	0	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	9/17/2015	-73.47928	41.89504
Jennifer Fanzutti	0.9	Silt	1	8	60	collected utrmac	0	4	3	0	2	0	2	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/17/2015	-73.47939	41.89509
Jennifer Fanzutti	1.0	Silt	1	9	70		0	3	3	0	2	0	4	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/17/2015	-73.47949	41.89515
Jennifer Fanzutti	1.0	Silt	1	10	80		0	3	3	0	2	0	4	0	3	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	9/17/2015	-73.47956	41.89520
Jennifer Fanzutti	0.4	Silt	2	1	0.5		0	2	4	0	0	0	3	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/17/2015	-73.47824	41.89533
Jennifer Fanzutti	0.5	Silt	2	2	5		0	3	4	0	0	0	3	0	0	3	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	9/17/2015	-73.47831	41.89536
Jennifer Fanzutti	0.5	Silt	2	3	10		0	2	4	0	3	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/17/2015	-73.47836	41.89537
Jennifer Fanzutti	0.7	Silt	2	4	20		3	4	4	0	2	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/17/2015	-73.47845	41.89543
Jennifer Fanzutti	1.0	Silt	2	5	30		0	4	4	0	3	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/17/2015	-73.47853	41.89550
Jennifer Fanzutti	1.0	Silt	2	6	40		0	5	3	0	0	0	3	0	3	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	9/17/2015	-73.47861	41.89556
Jennifer Fanzutti	1.0	Silt	2	7	50	chara	0	4	3	0	0	0	3	0	4	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	9/17/2015	-73.47870	41.89561
Jennifer Fanzutti	1.5	Silt	2	8	60		3	4	3	0	2	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/17/2015	-73.47879	41.89568
Jennifer Fanzutti	1.5	Silt	2	9	70	collected potamp	0	4	3	0	2	0	1	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/17/2015	-73.47886	41.89575
Jennifer Fanzutti	1.5	Silt	2	10	80		0	3	4	0	0	0	0	0	3	2	0	0	3	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	2	0	0	0	0	9/17/2015	-73.47895	41.89580
Jennifer Fanzutti	0.4	Silt	3	1	0.5		2	0	2	0	2	0	2	0	0	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	9/17/2015	-73.47775	41.89646
Jennifer Fanzutti	1.5	Silt	3	2	5	collected potzos	0	4	4	0	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	9/17/2015	-73.47781	41.89647
Jennifer Fanzutti	2.0	Silt	3	3	10		0	2	5	0	3	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/17/2015	-73.47785	41.89649
Jennifer Fanzutti	1.5	Silt	3	4	20		1	4	3	0	2	0	3	0	4	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	9/17/2015	-73.47798	41.89652
Jennifer Fanzutti	2.0	Silt	3	5	30		0	3	3	0	3	0	1	0	4	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3	0	0	0	0	9/17/2015	-73.47810	41.89655
Jennifer Fanzutti	2.0	Silt	3	6	40		2	4	3	0	3	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	9/17/2015	-73.47821	41.89658
Jesse Schock	2.0	Silt	3	7	50		0	5	3	0	3	0	2	0	4	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	9/17/2015	-73.47832	41.89664
Jennifer Fanzutti	2.0	Silt	3	8	60		0	5	2	0	0	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/17/2015	-73.47841	41.89670
Jennifer Fanzutti	2.0	Silt	3	9	70		0	4	2	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	9/17/2015	-73.47851	41.89673

Mudge Pond, Sharon

Transect Data

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	*Brasenia schreberi*	*Cabomba caroliniana*	*Ceratophyllum demersum*	*Eleocharis species*	*Elodea canadensis*	*Juncas species*	*Myriophyllum spicatum*	*Najas flexilis*	*Nuphar variegata*	*Nymphaea odorata*	*Polygonum species*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton crispus*	*Potamogeton illinoensis*	*Potamogeton natans*	*Potamogeton nodosus*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Ranunculus longirostris*	*Sagittaria species*	*Trapa natans*	*Typha species*	*Unidentified sedge*	*Utricularia gibba*	*Utricularia intermedia*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	*Zannichellia palistris*	*Zosterella dubia*	Date	Longitude	Latitude
Jennifer Fanzutti	2.0	Silt	3	10	80		0	3	4	0	2	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/17/2015	-73.47864	41.89675
Jennifer Fanzutti	0.2	Silt	4	1	0.5		0	0	2	3	0	0	3	0	3	0	0	2	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	9/17/2015	-73.47623	41.89859
Jennifer Fanzutti	0.5	Silt	4	2	5	collected valame	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	0	0	3	0	0	9/17/2015	-73.47625	41.89864
Jennifer Fanzutti	0.8	Silt	4	3	10		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	2	0	4	0	0	9/17/2015	-73.47620	41.89871
Jennifer Fanzutti	2.5	Silt	4	4	20	collected potpra	0	2	2	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	4	0	0	9/17/2015	-73.47626	41.89880
Jennifer Fanzutti	2.6	Silt	4	5	30	collected stupec	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4	0	0	9/17/2015	-73.47631	41.89887
Jennifer Fanzutti	2.8	Silt	4	6	40		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	0	0	0	4	0	0	9/17/2015	-73.47641	41.89895
Jennifer Fanzutti	1.6	Silt	4	7	50		0	0	2	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	0	4	0	0	9/17/2015	-73.47657	41.89898
Jennifer Fanzutti	2.0	Silt	4	8	60		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	0	0	0	2	0	4	0	0	9/17/2015	-73.47663	41.89906
Jennifer Fanzutti	2.5	Silt	4	9	70		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	0	0	0	0	0	2	0	0	9/17/2015	-73.47662	41.89918
Jennifer Fanzutti	2.5	Silt	4	10	80		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	2	0	0	9/17/2015	-73.47669	41.89922
Jennifer Fanzutti	3.0	Gravel	5	1	0.5	chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/18/2015	-73.47383	41.89957
Jennifer Fanzutti	1.1	Silt	5	2	5	chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	9/18/2015	-73.47379	41.89962
Jennifer Fanzutti	1.7	Silt	5	3	10		0	0	0	0	0	0	0	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	9/18/2015	-73.47376	41.89964
Jennifer Fanzutti	1.8	Silt	5	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	9/18/2015	-73.47371	41.89975
Jennifer Fanzutti	2.1	Silt	5	5	30		0	0	2	0	2	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	4	0	0	9/18/2015	-73.47370	41.89986
Jennifer Fanzutti	1.8	Silt	5	6	40		0	0	0	0	0	0	0	3	2	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	0	0	9/18/2015	-73.47370	41.89994
Jennifer Fanzutti	0.0	Silt	5	7	50		0	0	2	0	0	0	0	3	0	0	0	0	2	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	3	0	0	9/18/2015	-73.47369	41.90001
Jennifer Fanzutti	2.1	Silt	5	8	60	collected potill	0	0	2	0	0	0	0	0	3	0	0	0	2	0	2	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	4	0	0	9/18/2015	-73.47369	41.90012
Jennifer Fanzutti	2.1	Silt	5	9	70		0	0	2	0	0	0	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	9/18/2015	-73.47361	41.90019
Jennifer Fanzutti	2.3	Silt	5	10	80		0	0	0	0	0	0	3	0	2	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	9/18/2015	-73.47353	41.90027
Jennifer Fanzutti	0.3	Silt	6	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	9/18/2015	-73.47148	41.89949
Jennifer Fanzutti	0.5	Silt	6	2	5		0	0	0	0	0	0	2	0	2	2	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	3	0	0	9/18/2015	-73.47152	41.89952
Jennifer Fanzutti	0.6	Silt	6	3	10		0	1	2	0	0	0	3	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	0	0	9/18/2015	-73.47157	41.89956
Jennifer Fanzutti	1.0	Silt	6	4	20		0	0	2	0	0	2	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	9/18/2015	-73.47165	41.89964
Jennifer Fanzutti	1.2	Silt	6	5	30		0	0	2	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	0	9/18/2015	-73.47170	41.89971
Jennifer Fanzutti	1.5	Silt	6	6	40	collected zosdub	0	0	2	0	0	0	0	0	3	0	0	0		0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4	0	3	9/18/2015	-73.47176	41.89979
Jennifer Fanzutti	2.0	Silt	6	7	50		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	0	0	3	0	0	9/18/2015	-73.47183	41.89986
Jennifer Fanzutti	2.3	Silt	6	8	60		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	9/18/2015	-73.47196	41.89991
Jennifer Fanzutti	5.5	Silt	6	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	9/18/2015	-73.47203	41.90000
Jennifer Fanzutti	6.3	Silt	6	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	9/18/2015	-73.47210	41.90004
Jennifer Fanzutti	0.6	Organic	7	1	0.5		0	0	4	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	9/18/2015	-73.46914	41.90124

Mudge Pond, Sharon

Transect Data

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	*Brasenia schreberi*	*Cabomba caroliniana*	*Ceratophyllum demersum*	*Eleocharis species*	*Elodea canadensis*	*Juncas species*	*Myriophyllum spicatum*	*Najas flexilis*	*Nuphar variegata*	*Nymphaea odorata*	*Polygonum species*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton crispus*	*Potamogeton illinoensis*	*Potamogeton natans*	*Potamogeton nodosus*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Ranunculus longirostris*	*Sagittaria species*	*Trapa natans*	*Typha species*	*Unidentified sedge*	*Utricularia gibba*	*Utricularia intermedia*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	*Zannichellia palistris*	*Zosterella dubia*	Date	Longitude	Latitude
Jennifer Fanzutti	1.0	Silt	7	2	5		0	0	4	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	9/18/2015	-73.46918	41.90129
Jennifer Fanzutti	1.0	Silt	7	3	10		0	0	2	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	0	5	0	0	9/18/2015	-73.46921	41.90133
Jennifer Fanzutti	1.3	Silt	7	4	20		0	2	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	5	0	0	9/18/2015	-73.46929	41.90141
Jennifer Fanzutti	4.3	Silt	7	5	30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/18/2015	-73.46939	41.90148
Jennifer Fanzutti	5.0	Silt	7	6	40		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/18/2015	-73.46940	41.90154
Jennifer Fanzutti	6.8	Silt	7	7	50		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/18/2015	-73.46950	41.90167
Jennifer Fanzutti	7.1	Silt	7	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	9/18/2015	-73.46955	41.90164
Jennifer Fanzutti	7.5	Silt	7	8	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	9/18/2015	-73.46962	41.90180
Jennifer Fanzutti	8.0	Silt	7	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	9/18/2015	-73.46970	41.90178
Jesse Schock	0.2	Sand	8	1	0.5		0	0	3	0	0	0	2	0	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	9/18/2015	-73.46870	41.90261
Jennifer Fanzutti	0.2	Silt	8	2	5		0	2	4	0	0	0	2	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	9/18/2015	-73.46876	41.90259
Jennifer Fanzutti	0.3	Silt	8	3	10		2	0	5	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	0	0	0	0	9/18/2015	-73.46882	41.90259
Jennifer Fanzutti	0.4	Silt	8	4	20		0	0	4	0	0	0	2	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/18/2015	-73.46895	41.90263
Jennifer Fanzutti	0.5	Silt	8	5	30		0	0	4	0	0	0	2	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/18/2015	-73.46907	41.90267
Jennifer Fanzutti	0.9	Silt	8	6	40		0	2	4	0	0	0	2	0	2	2	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4	0	0	9/18/2015	-73.46918	41.90268
Jennifer Fanzutti	0.0	Silt	8	7	50		0	0	2	0	2	0	5	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	9/18/2015	-73.46930	41.90273
Jennifer Fanzutti	1.3	Silt	8	8	60		0	0	2	0	0	0	5	0	3	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	9/18/2015	-73.46940	41.90273
Jennifer Fanzutti	1.4	Silt	8	9	70	collected potcri	0	0	2	0	0	0	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	9/18/2015	-73.46955	41.90280
Jennifer Fanzutti	2.0	Silt	8	10	80		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	2	0	0	9/18/2015	-73.46964	41.90281
Jennifer Fanzutti	0.3	Silt	9	1	0.5		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	9/18/2015	-73.47046	41.90617
Jennifer Fanzutti	0.8	Silt	9	2	5		0	0	0	0	0	0	2	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	9/18/2015	-73.47052	41.90620
Jennifer Fanzutti	1.0	Silt	9	3	10		0	0	0	0	0	0	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	9/18/2015	-73.47056	41.90621
Jennifer Fanzutti	3.1	Silt	9	4	20		0	2	0	0	0	0	4	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	9/18/2015	-73.47070	41.90629
Jennifer Fanzutti	3.5	Silt	9	5	30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/18/2015	-73.47078	41.90629
Jennifer Fanzutti	6.8	Silt	9	6	40		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/18/2015	-73.47096	41.90633
Jennifer Fanzutti	7.1	Silt	9	7	50		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/18/2015	-73.47102	41.90633
Jennifer Fanzutti	7.4	Silt	9	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	9/18/2015	-73.47112	41.90634
Jennifer Fanzutti	7.3	Silt	9	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	9/18/2015	-73.47117	41.90646
Jennifer Fanzutti	7.5	Silt	9	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	9/18/2015	-73.47136	41.90641
Jennifer Fanzutti	0.3	Muck	10	1	0.5		0	3	2	0	0	0	3	0	0	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/22/2015	-73.46907	41.90789
Jennifer Fanzutti	0.5	Muck	10	2	5		0	3	2	0	0	0	2	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9/22/2015	-73.46911	41.90791
Jennifer Fanzutti	0.5	Silt	10	3	10		0	4	2	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/22/2015	-73.46916	41.90793

Mudge Pond, Sharon

Transect Data

Surveyed by Greg Bugbee, Jennifer Fanzutti, and Jesse Schock

Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	*Brasenia schreberi*	*Cabomba caroliniana*	*Ceratophyllum demersum*	*Eleocharis species*	*Elodea canadensis*	*Juncas species*	*Myriophyllum spicatum*	*Najas flexilis*	*Nuphar variegata*	*Nymphaea odorata*	*Polygonum species*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton crispus*	*Potamogeton illinoensis*	*Potamogeton natans*	*Potamogeton nodosus*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Ranunculus longirostris*	*Sagittaria species*	*Trapa natans*	*Typha species*	*Unidentified sedge*	*Utricularia gibba*	*Utricularia intermedia*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	*Zannichellia palistris*	*Zosterella dubia*	Date	Longitude	Latitude
Jennifer Fanzutti	1.1	Silt	10	4	20		2	4	2	0	0	0	2	0	2	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/22/2015	-73.46926	41.90797
Jennifer Fanzutti	1.1	Silt	10	5	30		2	3	2	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	2	0	0	0	0	9/22/2015	-73.46941	41.90800
Jennifer Fanzutti	0.6	Muck	10	6	40		0	3	3	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	2	0	0	0	0	9/22/2015	-73.46946	41.90807
Jennifer Fanzutti	1.0	Silt	10	7	60		0	2	2	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	9/22/2015	-73.46958	41.90813
Jennifer Fanzutti	1.0	Muck	10	8	60		0	2	3	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	9/22/2015	-73.46966	41.90821
Jennifer Fanzutti	1.2	Muck	10	9	70		0	3	4	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	0	0	0	0	9/22/2015	-73.46977	41.90823
Jennifer Fanzutti	1.2	Silt	10	10	80		0	4	0	0	0	0	2	0	2	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/22/2015	-73.46989	41.90828
Jennifer Fanzutti	0.3	Muck	11	1	0.5		0	3	4	0	0	0	2	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/22/2015	-73.47043	41.91008
Jennifer Fanzutti	0.5	Muck	11	2	5		2	2	4	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	0	2	0	0	0	0	9/22/2015	-73.47047	41.91003
Jennifer Fanzutti	0.5	Muck	11	3	10		2	3	3	0	0	0	0	0	2	2	0	0	2	0	0	0	0	0	3	0	2	0	0	0	0	0	0	0	2	0	0	0	0	9/22/2015	-73.47051	41.90999
Jennifer Fanzutti	0.5	Muck	11	4	20	chara	2	3	2	0	0	0	0	0	2	2	0	0	0	0	0	2	0	0	0	0	3	0	0	0	0	0	0	0	3	0	0	0	0	9/22/2015	-73.47058	41.90993
Jennifer Fanzutti	0.6	Muck	11	5	30	chara	3	2	2	0	0	0	0	0	2	2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/22/2015	-73.47067	41.90985
Jennifer Fanzutti	0.7	Muck	11	6	40		3	4	3	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	2	0	0	0	0	9/22/2015	-73.47073	41.90980
Jennifer Fanzutti	1.0	Muck	11	7	50	collected potrob	3	2	3	0	0	0	0	0	0	3	0	0	3	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	9/22/2015	-73.47082	41.90970
Jennifer Fanzutti	1.0	Muck	11	8	60	chara	3	3	2	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/22/2015	-73.47088	41.90963
Jennifer Fanzutti	1.0	Muck	11	9	70		3	3	2	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/22/2015	-73.47096	41.90955
Jennifer Fanzutti	1.0	Muck	11	10	80		0	4	4	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/22/2015	-73.47104	41.90948
Jennifer Fanzutti	0.2	Sand	12	1	0.5	collected elespp	0	0	2	2	0	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	2	0	2	9/22/2015	-73.47302	41.90913
Jennifer Fanzutti	0.5	Muck	12	2	5		0	0	0	0	0	0	2	0	0	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	2	9/22/2015	-73.47298	41.90914
Jennifer Fanzutti	0.5	Silt	12	3	10	chara covered	0	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/22/2015	-73.47291	41.90910
Jennifer Fanzutti	0.7	Silt	12	4	20	chara covered	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	9/22/2015	-73.47281	41.90906
Jennifer Fanzutti	2.0	Silt	12	5	30		0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/22/2015	-73.47272	41.90900
Jennifer Fanzutti	2.0	Muck	12	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	2	0	3	0	0	9/22/2015	-73.47265	41.90893
Jennifer Fanzutti	4.0	Silt	12	7	50		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	2	0	4	0	0	9/22/2015	-73.47258	41.90886
Jennifer Fanzutti	5.6	Silt	12	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	9/22/2015	-73.47244	41.90891
Jennifer Fanzutti	6.6	Silt	12	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	9/22/2015	-73.47227	41.90880
Jennifer Fanzutti	7.0	Silt	12	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	9/22/2015	-73.47219	41.90876
Jennifer Fanzutti	0.3	Silt	13	1	0.5	collected ranlon	0	0	0	0	4	0	4	2	0	2	0	2	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	3	0	0	0	0	9/22/2015	-73.47389	41.90816
Jennifer Fanzutti	0.0	Silt	13	2	5		0	0	2	0	4	0	2	0	0	0	0	0	4	2	0	0	0	0	0	0	3	2	0	0	0	0	0	0	2	0	0	0	0	9/22/2015	-73.47387	41.90813
Jennifer Fanzutti	1.0	Silt	13	3	10		0	0	0	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	2	9/22/2015	-73.47384	41.90808
Jennifer Fanzutti	0.7	Silt	13	4	20		0	3	0	0	0	0	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0		0	0	9/22/2015	-73.47372	41.90802
Jennifer Fanzutti	1.1	Muck	13	5	30		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	4	0	0	9/22/2015	-73.47364	41.90796

Mudge Pond, Sharon

Transect Data

Surveyed by Greg Bugbee, Jennifer Fanzutti, and Jesse Schock

Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	*Brasenia schreberi*	*Cabomba caroliniana*	*Ceratophyllum demersum*	*Eleocharis species*	*Elodea canadensis*	*Juncas species*	*Myriophyllum spicatum*	*Najas flexilis*	*Nuphar variegata*	*Nymphaea odorata*	*Polygonum species*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton crispus*	*Potamogeton illinoensis*	*Potamogeton natans*	*Potamogeton nodosus*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Ranunculus longirostris*	*Sagittaria species*	*Trapa natans*	*Typha species*	*Unidentified sedge*	*Utricularia gibba*	*Utricularia intermedia*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	*Zannichellia palistris*	*Zosterella dubia*	Date	Longitude	Latitude
Jennifer Fanzutti	5.3	Silt	13	6	40		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/22/2015	-73.47352	41.90793
Jennifer Fanzutti	6.6	Silt	13	7	50		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/22/2015	-73.47339	41.90788
Jennifer Fanzutti	6.5	Silt	13	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	9/22/2015	-73.47330	41.90779
Jennifer Fanzutti	7.2	Silt	13	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	9/22/2015	-73.47324	41.90776
Jennifer Fanzutti	7.5	Silt	13	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	9/22/2015	-73.47312	41.90769
Jennifer Fanzutti	0.2	Silt	14	1	0.5		0	3	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	2	0	2	9/22/2015	-73.47540	41.90723
Jennifer Fanzutti	0.5	Muck	14	2	5	chara	0	4	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	9/22/2015	-73.47536	41.90721
Jennifer Fanzutti	0.8	Muck	14	3	10	chara	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/22/2015	-73.47530	41.90718
Jennifer Fanzutti	1.1	Silt	14	4	20	chara	2	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	9/22/2015	-73.47520	41.90712
Jennifer Fanzutti	1.2	Silt	14	5	30	collected utrmin	0	0	0	0	0	0	0	0	0	2	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	9/22/2015	-73.47517	41.90706
Jennifer Fanzutti	1.2	Silt	14	6	40	collected potamp	0	0	0	0	0	0	0	0	0	3	0	0	4	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9/22/2015	-73.47502	41.90700
Jennifer Fanzutti	1.2	Silt	14	7	50		0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/22/2015	-73.47492	41.90697
Jennifer Fanzutti	1.5	Silt	14	8	60		0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/22/2015	-73.47482	41.90692
Jennifer Fanzutti	1.4	Silt	14	9	70	chara	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/22/2015	-73.47471	41.90689
Jennifer Fanzutti	1.7	Silt	14	10	80		0	0	0	0	0	0	2	0	2	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9/22/2015	-73.47461	41.90685
Jennifer Fanzutti	0.2	Silt	15	1	0.5		2	0	0	0	0	2	2	2	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	9/24/2015	-73.47648	41.90614
Jennifer Fanzutti	1.0	Silt	15	2	10		2	0	4	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/24/2015	-73.47642	41.90611
Jennifer Fanzutti	1.0	Silt	15	3	10	chara covered	3	0	3	0	2	0	0	0	0	2	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47637	41.90609
Jennifer Fanzutti	1.0	Silt	15	4	20	chara covered	0	0	0	0	0	0	0	0	0	2	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47628	41.90604
Jennifer Fanzutti	1.0	Silt	15	5	30	chara covered	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	3	0	0	0	0	9/24/2015	-73.47619	41.90601
Jennifer Fanzutti	1.2	Silt	15	6	40		0	0	0	0	0	0	0	0	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	9/24/2015	-73.47604	41.90597
Jennifer Fanzutti	1.2	Silt	15	7	50		0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	3	0	0	0	0	9/24/2015	-73.47594	41.90593
Jennifer Fanzutti	1.3	Silt	15	8	60	chara covered	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	4	0	0	9/24/2015	-73.47582	41.90591
Jennifer Fanzutti	1.4	Silt	15	9	70		0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	3	0	2	0	0	0	0	0	0	0	2	0	3	0	0	9/24/2015	-73.47576	41.90583
Jennifer Fanzutti	1.2	Silt	15	10	80		0	0	0	0	0	0	0	0	0	2	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47558	41.90583
Jennifer Fanzutti	0.3	Silt	16	1	0.5		0	0	2	0	2	0	2	0	0	2	0	3	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	3	9/24/2015	-73.47783	41.90431
Jennifer Fanzutti	1.0	Silt	16	2	10	collected ranlon	2	0	2	0	0	0	0	0	0	3	0	2	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	2	9/24/2015	-73.47777	41.90431
Jennifer Fanzutti	1.2	Silt	16	3	10		0	1	2	0	0	0	0	0	0	3	0	0	2	0	0	4	0	0	0	0	0	2	0	0	0	0	0	0	3	0	0	0	0	9/24/2015	-73.47771	41.90433
Jennifer Fanzutti	1.4	Silt	16	4	20		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	1	3	0	0	0	0	0	9/24/2015	-73.47761	41.90429
Jennifer Fanzutti	1.6	Silt	16	5	30		0	1	2	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	9/24/2015	-73.47751	41.90426
Jennifer Fanzutti	1.7	Silt	16	6	40		0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	2	9/24/2015	-73.47738	41.90425
Jennifer Fanzutti	2.1	Silt	16	7	50		0	0	0	0	0	0	3	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	9/24/2015	-73.47726	41.90424

Mudge Pond, Sharon

Transect Data

Surveyed by Greg Bugbee, Jennifer Fanzutti, and Jesse Schock

Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	*Brasenia schreberi*	*Cabomba caroliniana*	*Ceratophyllum demersum*	*Eleocharis species*	*Elodea canadensis*	*Juncas species*	*Myriophyllum spicatum*	*Najas flexilis*	*Nuphar variegata*	*Nymphaea odorata*	*Polygonum species*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton crispus*	*Potamogeton illinoensis*	*Potamogeton natans*	*Potamogeton nodosus*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Ranunculus longirostris*	*Sagittaria species*	*Trapa natans*	*Typha species*	*Unidentified sedge*	*Utricularia gibba*	*Utricularia intermedia*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	*Zannichellia palistris*	*Zosterella dubia*	Date	Longitude	Latitude
Jennifer Fanzutti	4.6	Silt	16	8	60		0	1	0	0	0	0	1	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	0	9/24/2015	-73.47709	41.90416
Jennifer Fanzutti	5.0	Silt	16	9	70	use this 70m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47706	41.90413
Jennifer Fanzutti	6.0	Silt	16	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	9/24/2015	-73.47693	41.90410
Greg Bugbee	0.2	Sand	17	1	0.5		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	0	0	0	0	0	3	0	0	9/24/2015	-73.47823	41.90360
Greg Bugbee	1.2	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	4	0	0	9/24/2015	-73.47816	41.90358
Greg Bugbee	2.0	Silt	17	3	10		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	3	0	0	9/24/2015	-73.47808	41.90359
Greg Bugbee	2.0	Silt	17	4	20		0	2	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	9/24/2015	-73.47800	41.90354
Greg Bugbee	2.0	Silt	17	5	30		0	0	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	9/24/2015	-73.47786	41.90350
Greg Bugbee	3.0	Silt	17	6	40		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	0	9/24/2015	-73.47772	41.90354
Greg Bugbee	4.3	Silt	17	7	50		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	9/24/2015	-73.47761	41.90353
Greg Bugbee	5.5	Silt	17	8	60	nothing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47764	41.90342
Greg Bugbee	5.5	Silt	17	9	70	nothing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47756	41.90325
Greg Bugbee	7.5	Silt	17	10	80	nothing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47726	41.90333
Greg Bugbee	0.3	Gravel	18	1	0.5		2	0	2	0	0	0	3	0	0	2	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9/24/2015	-73.47898	41.90222
Greg Bugbee	1.0	Muck	18	2	10		2	0	0	0	0	0	2	0	0	4	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	9/24/2015	-73.47892	41.90217
Greg Bugbee	1.8	Silt	18	3	10		0	0	2	0	0	0	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	9/24/2015	-73.47883	41.90217
Greg Bugbee	1.9	Silt	18	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	4	0	0	9/24/2015	-73.47876	41.90217
Greg Bugbee	2.1	Silt	18	5	30		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	0	0	0	2	0	0	9/24/2015	-73.47867	41.90213
Greg Bugbee	3.0	Silt	18	6	40	chara	0	3	2	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	0	9/24/2015	-73.47853	41.90205
Greg Bugbee	3.5	Silt	18	7	50		0	0	2	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	2	0	0	9/24/2015	-73.47845	41.90202
Greg Bugbee	5.3	Silt	18	8	60	chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47831	41.90199
Greg Bugbee	5.1	Silt	18	9	70	chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47826	41.90186
Greg Bugbee	6.0	Silt	18	10	80	nothing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47811	41.90184
Greg Bugbee	0.3	Muck	19	1	0.5		3	2	0	0	2	0	3	0	2	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	9/24/2015	-73.47937	41.90058
Greg Bugbee	1.0	Muck	19	2	5		3	0	2	0	0	0	2	0	2	2	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9/24/2015	-73.47934	41.90055
Greg Bugbee	1.3	Muck	19	3	10		0	0	2	0	2	0	2	0	2	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	9/24/2015	-73.47928	41.90053
Greg Bugbee	0.0	Muck	19	4	20		2	2	2	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	9/24/2015	-73.47918	41.90048
Greg Bugbee	2.0	Muck	19	5	30		2	2	2	0	0	0	2	0	3	2	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	3	0	2	9/24/2015	-73.47906	41.90046
Greg Bugbee	2.2	Muck	19	6	40		0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47898	41.90038
Greg Bugbee	2.8	Muck	19	7	50		0	0	2	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	0	9/24/2015	-73.47878	41.90039
Greg Bugbee	2.8	Silt	19	8	60		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	0	0	0	0	0	0	0	9/24/2015	-73.47870	41.90042
Greg Bugbee	3.0	Silt	19	9	70		0	0	3	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	2	0	0	9/24/2015	-73.47852	41.90047

Surveyor	Depth (m)	Substrate	Transect	Point	Distance From Shore (m)	Notes	*Brasenia schreberi*	*Cabomba caroliniana*	*Ceratophyllum demersum*	*Eleocharis species*	*Elodea canadensis*	*Juncas species*	*Myriophyllum spicatum*	*Najas flexilis*	*Nuphar variegata*	*Nymphaea odorata*	*Polygonum species*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton crispus*	*Potamogeton illinoensis*	*Potamogeton natans*	*Potamogeton nodosus*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Ranunculus longirostris*	*Sagittaria species*	*Trapa natans*	*Typha species*	*Unidentified sedge*	*Utricularia gibba*	*Utricularia intermedia*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	*Zannichellia palistris*	*Zosterella dubia*	Date	Longitude	Latitude
Greg Bugbee	3.0	Silt	19	10	80		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	0	0	0	0	0	2	0	0	9/24/2015	-73.47844	41.90047
Greg Bugbee	0.2	Muck	20	1	0.5		0	3	2	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	9/24/2015	-73.48050	41.89931
Greg Bugbee	0.8	Muck	20	2	5		0	4	2	0	0	0	2	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.48045	41.89932
Greg Bugbee	1.2	Muck	20	3	10		2	4	2	0	0	0	2	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.48039	41.89928
Greg Bugbee	1.3	Muck	20	4	20		3	4	2	0	0	0	2	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.48027	41.89927
Greg Bugbee	1.6	Muck	20	5	30		4	3	2	0	0	0	2	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	9/24/2015	-73.48015	41.89926
Greg Bugbee	1.8	Muck	20	6	40		4	3	2	0	2	0	2	0	3	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9/24/2015	-73.48002	41.89920
Greg Bugbee	2.0	Muck	20	7	50		2	4	0	0	0	0	2	0	3	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9/24/2015	-73.47989	41.89921
Greg Bugbee	2.1	Muck	20	8	60		3	4	2	0	0	0	2	0	3	2	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47980	41.89920
Greg Bugbee	1.8	Muck	20	9	70		0	4	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/24/2015	-73.47969	41.89917
Greg Bugbee	1.9	Muck	20	10	80		0	4	2	0	0	0	0	0	3	2	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47955	41.89917
Greg Bugbee	0.3	Muck	21	1	0.5		2	3	3	0	0	0	4	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	9/24/2015	-73.48038	41.89769
Greg Bugbee	0.5	Muck	21	2	5		2	4	3	0	2	0	3	0	3	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	9/24/2015	-73.48033	41.89771
Greg Bugbee	1.3	Muck	21	3	10	Collected Zosdub	4	3	3	0	2	0	3	0	3	3	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	9/24/2015	-73.48027	41.89770
Greg Bugbee	1.8	Muck	21	4	20		4	3	3	0	2	0	3	0	2	3	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.48015	41.89769
Greg Bugbee	1.9	Muck	21	5	30		3	4	0	0	0	0	2	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.48001	41.89775
Greg Bugbee	0.0	Muck	21	6	40		3	4	0	0	0	0	3	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	9/24/2015	-73.47989	41.89778
Greg Bugbee	1.6	Muck	21	7	50		0	4	0	0	0	0	2	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47977	41.89778
Greg Bugbee	1.6	Muck	21	8	60		0	4	0	0	0	0	2	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47968	41.89778
Greg Bugbee	2.0	Muck	21	9	70		0	3	2	0	0	0	0	0	4	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	9/24/2015	-73.47953	41.89779
Greg Bugbee	1.9	Muck	21	10	80		0	4	0	0	0	0	2	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/24/2015	-73.47940	41.89783