Pattagansett Lake, East Lyme

Transect Data

Surveyed by Greg Bugbee, Jordan Gibbons, Samantha Wysocki and Adam Hawkes

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

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from shore (m)	Notes	*Brasenia schreberi*	*Ceratophyllum echinatum*	*Eleocharis* species	*Myriophyllum heterophyllum*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton bicupulatus*	*Potamogeton oakesianus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Spirodela polyrhiza*	Unidentified sedges	*Utricularia gibba*	*Utricularia intermedia*	*Utricularia macrorhiza*	*Utricularia purpurea*	*Utricularia radiata*	*Vallisneria americana*	Date	Latitude	Longitude
Greg Bugbee	0.60	Sand	1	1	0.5		2	0	0	3	0	0	0	0	0	0	2	0	0	2	0	0	0	2	0	7/9/2013	41.37003	-72.22727
Greg Bugbee	1.80	Sand	1	2	5.0		0	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	1	0	0	7/9/2013	41.37007	-72.22729
Greg Bugbee	0.00	Muck	1	3	10.0		0	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	7/9/2013	41.37010	-72.22737
Greg Bugbee	2.00	Muck	1	4	20.0		0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	7/9/2013	41.37016	-72.22743
Greg Bugbee	2.20	Muck	1	5	30.0		0	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	7/9/2013	41.37022	-72.22748
Greg Bugbee	2.20	Muck	1	6	40.0		0	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	7/9/2013	41.37032	-72.22758
Greg Bugbee	2.00	Muck	1	7	50.0		0	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	7/9/2013	41.37037	-72.22765
Greg Bugbee	2.20	Muck	1	8	60.0		0	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	1	1	0	7/9/2013	41.37043	-72.22770
Greg Bugbee	2.20	Muck	1	9	70.0		0	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	7/9/2013	41.37052	-72.22781
Greg Bugbee	2.30	Muck	1	10	80.0		0	0	0	3	0	0	0	0	0	0	3	0	0	2	0	0	0	1	0	7/9/2013	41.37059	-72.22791
Greg Bugbee	0.10	Muck	2	1	0.5	weed choked	2	0	0	2	0	4	0	0	0	0	0	0	0	0	0	2	2	0	0	7/9/2013	41.36785	-72.22971
Greg Bugbee	0.80	Muck	2	2	5.0	weed choked	2	0	0	2	0	4	0	0	0	0	0	0	0	2	2	0	2	0	0	7/9/2013	41.36787	-72.22977
Greg Bugbee	0.90	Muck	2	3	10.0		3	0	2	2	0	4	0	0	0	0	0	0	0	2	2	0	2	0	0	7/9/2013	41.36789	-72.22983
Greg Bugbee	0.90	Muck	2	4	20.0		2	0	2	3	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	7/9/2013	41.36795	-72.22990
Greg Bugbee	1.00	Muck	2	5	30.0		2	0	0	4	0	3	0	0	0	0	0	0	0	2	0	0	2	0	0	7/9/2013	41.36805	-72.22997
Greg Bugbee	1.60	Muck	2	6	40.0		2	0	0	4	0	2	0	0	0	0	0	0	0	2	0	0	0	2	0	7/9/2013	41.36813	-72.23005
Greg Bugbee	1.00	Muck	2	7	50.0		2	0	0	4	0	3	0	0	0	0	0	0	0	2	0	0	2	0	0	7/9/2013	41.36823	-72.23018
Greg Bugbee	1.70	Muck	2	8	60.0		2	0	0	4	0	3	0	0	0	0	0	0	0	2	0	0	1	0	0	7/9/2013	41.36825	-72.23020
Greg Bugbee	1.70	Muck	2	9	70.0		2	0	0	4	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	7/9/2013	41.36830	-72.23029
Greg Bugbee	1.70	Muck	2	10	80.0		2	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	7/9/2013	41.36843	-72.23029
Greg Bugbee	0.30	Gravel	3	1	0.5		0	0	0	2	0	0	0	1	0	0	0	0	0	2	0	0	0	0	2	7/9/2013	41.37693	-72.23153
Greg Bugbee	1.60	Gravel	3	2	5.0		0	0	0	3	0	0	0	0	0	0	2	0	0	2	0	0	2	0	0	7/9/2013	41.37690	-72.23149
Greg Bugbee	2.80	Silt	3	3	10.0		0	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	7/9/2013	41.37689	-72.23144
Greg Bugbee	4.00	Silt	3	4	20.0		0	0	0	3	0	0	0	0	0	0	3	0	0	2	0	0	0	2	0	7/9/2013	41.37680	-72.23138
Greg Bugbee	4.40	Muck	3	5	30.0		0	0	0	0	0	0	0	0	0	0	4	0	0	2	0	0	0	0	0	7/9/2013	41.37672	-72.23132

Pattagansett Lake, East Lyme

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from shore (m)	Notes	*Brasenia schreberi*	*Ceratophyllum echinatum*	*Eleocharis* species	*Myriophyllum heterophyllum*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton bicupulatus*	*Potamogeton oakesianus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Spirodela polyrhiza*	Unidentified sedges	*Utricularia gibba*	*Utricularia intermedia*	*Utricularia macrorhiza*	*Utricularia purpurea*	*Utricularia radiata*	*Vallisneria americana*	Date	Latitude	Longitude
Greg Bugbee	3.80	Silt	3	6	40.0		0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	7/9/2013	41.37663	-72.23127
Greg Bugbee	5.20	Silt	3	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/9/2013	41.37666	-72.23109
Greg Bugbee	6.60	Silt	3	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/9/2013	41.37654	-72.23104
Greg Bugbee	8.00	Silt	3	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/9/2013	41.37648	-72.23093
Greg Bugbee	9.00	Silt	3	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/9/2013	41.37637	-72.23088
Greg Bugbee	0.10	Sand	4	1	0.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37909	-72.23036
Greg Bugbee	1.00	Silt	4	2	5.0		3	0	0	4	0	2	0	0	0	0	2	0	0	2	0	0	2	0	0	7/10/2013	41.37905	-72.23032
Greg Bugbee	1.30	Silt	4	3	10.0		0	0	0	4	0	0	0	0	0	0	3	0	0	2	0	0	2	2	0	7/10/2013	41.37900	-72.23037
Greg Bugbee	2.10	Silt	4	4	20.0		0	2	0	4	0	0	0	0	0	0	2	0	0	2	0	0	2	0	0	7/10/2013	41.37892	-72.23035
Greg Bugbee	2.60	Silt	4	5	30.0		0	0	0	4	0	0	0	0	0	0	3	0	0	2	0	0	0	0	0	7/10/2013	41.37882	-72.23034
Greg Bugbee	3.20	Silt	4	6	40.0		0	0	0	2	0	0	0	0	0	0	3	0	0	2	0	0	2	0	0	7/10/2013	41.37871	-72.23034
Greg Bugbee	3.60	Silt	4	7	50.0		0	0	0	0	0	0	0	0	0	0	4	0	0	2	0	0	0	1	0	7/10/2013	41.37864	-72.23009
Greg Bugbee	4.00	Silt	4	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37854	-72.23033
Greg Bugbee	4.20	Silt	4	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37846	-72.23025
Greg Bugbee	5.00	Silt	4	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37838	-72.23020
Greg Bugbee	0.20	Silt	5	1	0.5		2	2	0	4	0	0	0	0	2	0	2	2	0	1	1	2	0	0	0	7/10/2013	41.37477	-72.23394
Greg Bugbee	0.40	Muck	5	2	5.0		4	0	1	3	0	3	0	0	0	0	0	2	0	0	0	0	2	0	0	7/10/2013	41.37480	-72.23388
Greg Bugbee	0.50	Silt	5	3	10.0		3	0	0	2	0	4	0	0	0	0	0	2	1	0	1	0	2	0	0	7/10/2013	41.37480	-72.23385
Greg Bugbee	1.20	Muck	5	4	20.0		2	0	0	3	0	3	0	0	1	0	2	0	0	2	0	0	2	0	0	7/10/2013	41.37487	-72.23373
Greg Bugbee	1.30	Silt	5	5	30.0		2	0	0	3	0	2	0	0	2	0	2	0	0	2	0	0	2	0	0	7/10/2013	41.37491	-72.23361
Greg Bugbee	1.60	Silt	5	6	40.0		0	0	0	3	0	2	0	0	0	0	3	0	0	0	0	0	2	1	0	7/10/2013	41.37495	-72.23349
Greg Bugbee	1.60	Silt	5	7	50.0		0	0	0	3	4	2	0	0	0	2	3	0	0	2	0	0	2	0	0	7/10/2013	41.37500	-72.23341
Greg Bugbee	1.80	Silt	5	8	60.0		0	0	0	3	2	2	0	0	0	0	3	0	0	2	0	0	2	0	0	7/10/2013	41.37504	-72.23329
Greg Bugbee	1.80	Silt	5	9	70.0		0	0	0	3	0	2	0	0	0	0	3	0	0	0	0	0	2	2	0	7/10/2013	41.37508	-72.23319
Greg Bugbee	1.80	Silt	5	10	80.0		0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	2	0	0	7/10/2013	41.37509	-72.23305

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Greg Bugbee	0.70	Gravel	6	1	0.5		2	0	0	4	0	2	0	0	0	0	3	0	0	2	0	0	0	0	0	7/10/2013	41.37404	-72.23259
Greg Bugbee	1.50	Silt	6	2	5.0		0	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	7/10/2013	41.37403	-72.23252
Greg Bugbee	1.90	Silt	6	3	10.0		0	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	7/10/2013	41.37408	-72.23248
Greg Bugbee	2.00	Silt	6	4	20.0		0	0	0	3	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	7/10/2013	41.37408	-72.23235
Greg Bugbee	2.50	Silt	6	5	30.0		0	0	0	3	0	0	0	0	0	0	3	0	0	2	0	2	0	0	0	7/10/2013	41.37410	-72.23225
Greg Bugbee	2.80	Silt	6	6	40.0		0	0	0	0	0	0	0	0	0	0	3	0	0	2	0	0	0	0	0	7/10/2013	41.37414	-72.23213
Greg Bugbee	3.30	Silt	6	7	50.0		0	0	0	0	0	0	0	0	0	0	4	0	0	2	0	0	0	0	0	7/10/2013	41.37417	-72.23200
Greg Bugbee	3.90	Silt	6	8	60.0		0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	7/10/2013	41.37418	-72.23189
Greg Bugbee	4.00	Silt	6	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37421	-72.23181
Greg Bugbee	3.70	Silt	6	10	80.0		0	0	0	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	7/10/2013	41.37433	-72.23170
Greg Bugbee	0.30	Gravel	7	1	0.5		0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	7/10/2013	41.37279	-72.23262
Greg Bugbee	2.00	Silt	7	2	5.0		0	0	0	3	0	1	0	0	0	0	0	0	0	2	0	2	0	1	0	7/10/2013	41.37276	-72.23260
Greg Bugbee	2.80	Silt	7	3	10.0		0	0	0	3	0	0	0	0	0	0	4	0	0	2	0	2	0	0	0	7/10/2013	41.37280	-72.23249
Greg Bugbee	4.00	Silt	7	4	20.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37278	-72.23237
Greg Bugbee	5.00	Silt	7	5	30.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37271	-72.23227
Greg Bugbee	5.00	Silt	7	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37274	-72.23216
Greg Bugbee	5.90	Silt	7	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37276	-72.23199
Greg Bugbee	6.10	Silt	7	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37278	-72.23188
Greg Bugbee	7.00	Silt	7	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37277	-72.23180
Greg Bugbee	7.00	Silt	7	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37279	-72.23165
Greg Bugbee	0.30	Gravel	8	1	0.5	Floating	0	0	0	2	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	7/10/2013	41.37045	-72.23297
Greg Bugbee	1.00	Gravel	8	2	5.0		0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	7/10/2013	41.37044	-72.23291
Greg Bugbee	1.90	Silt	8	3	10.0		0	2	0	3	0	0	0	0	0	0	3	0	0	2	0	0	2	0	0	7/10/2013	41.37042	-72.23286
Greg Bugbee	2.40	Silt	8	4	20.0		0	0	0	3	0	0	0	0	0	0	3	0	0	2	0	0	0	0	0	7/10/2013	41.37044	-72.23274
Greg Bugbee	2.70	Silt	8	5	30.0		0	0	0	2	0	0	0	0	0	0	3	0	0	2	0	0	2	0	0	7/10/2013	41.37044	-72.23261

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from shore (m)	Notes	*Brasenia schreberi*	*Ceratophyllum echinatum*	*Eleocharis* species	*Myriophyllum heterophyllum*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton bicupulatus*	*Potamogeton oakesianus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Spirodela polyrhiza*	Unidentified sedges	*Utricularia gibba*	*Utricularia intermedia*	*Utricularia macrorhiza*	*Utricularia purpurea*	*Utricularia radiata*	*Vallisneria americana*	Date	Latitude	Longitude
Greg Bugbee	3.00	Silt	8	6	40.0		0	0	0	1	0	0	0	0	0	0	3	0	0	2	0	0	0	1	0	7/10/2013	41.37044	-72.23250
Greg Bugbee	3.50	Silt	8	7	50.0		0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	7/10/2013	41.37049	-72.23240
Greg Bugbee	4.10	Silt	8	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37053	-72.23226
Greg Bugbee	4.50	Silt	8	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37042	-72.23215
Greg Bugbee	5.00	Silt	8	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37056	-72.23203
Greg Bugbee	0.10	Sand	9	1	0.5		2	0	2	2	0	2	2	0	0	0	0	0	0	2	0	0	0	0	0	7/12/2013	41.36753	-72.23123
Greg Bugbee	0.60	Sand	9	2	5.0		3	0	0	3	0	4	0	0	0	0	0	0	0	2	0	0	1	0	0	7/12/2013	41.36757	-72.23126
Greg Bugbee	1.00	Silt	9	3	10.0		4	0	0	3	0	3	0	0	2	0	0	0	0	2	0	0	2	0	0	7/12/2013	41.36762	-72.23124
Greg Bugbee	1.00	Silt	9	4	20.0		3	1	0	4	2	0	0	0	1	0	0	0	0	2	0	0	2	0	0	7/12/2013	41.36771	-72.23124
Greg Bugbee	1.20	Silt	9	5	30.0		2	2	0	4	1	0	0	0	0	0	2	0	0	2	0	0	2	0	0	7/12/2013	41.36781	-72.23120
Greg Bugbee	1.20	Silt	9	6	40.0		2	2	0	4	0	2	0	0	0	0	2	0	0	0	0	0	2	0	0	7/12/2013	41.36790	-72.23116
Greg Bugbee	1.20	Silt	9	7	50.0		1	1	0	2	0	2	0	0	0	0	4	0	0	2	0	1	0	0	0	7/12/2013	41.36797	-72.23110
Greg Bugbee	1.50	Silt	9	8	60.0		2	1	0	4	0	0	0	0	0	0	2	0	0	2	0	0	0	1	0	7/12/2013	41.36803	-72.23101
Greg Bugbee	1.50	Silt	9	9	70.0		2	0	0	3	0	1	0	0	0	0	3	0	0	2	0	0	2	0	0	7/12/2013	41.36814	-72.23105
Greg Bugbee	1.50	Silt	9	10	80.0		0	0	0	4	0	0	0	0	0	0	3	0	0	2	0	0	2	0	0	7/12/2013	41.36823	-72.23106
Greg Bugbee	0.20	Gravel	10	1	0.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37196	-72.22875
Greg Bugbee	1.00	Gravel	10	2	5.0		0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	2	0	3	7/12/2013	41.37193	-72.22879
Greg Bugbee	1.90	Silt	10	3	10.0		0	0	0	4	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	7/12/2013	41.37190	-72.22885
Greg Bugbee	2.00	Silt	10	4	20.0		0	0	0	4	0	0	0	0	0	0	3	0	0	2	0	0	2	0	0	7/12/2013	41.37187	-72.22898
Greg Bugbee	4.30	Silt	10	5	30.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37184	-72.22906
Greg Bugbee	4.80	Silt	10	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37175	-72.22915
Greg Bugbee	4.80	Silt	10	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37166	-72.22922
Greg Bugbee	5.20	Silt	10	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37162	-72.22931
Greg Bugbee	5.10	Silt	10	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37155	-72.22943
Greg Bugbee	5.20	Silt	10	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37153	-72.22957

Pattagansett Lake, East Lyme

Transect Data

Surveyed by Greg Bugbee, Jordan Gibbons, Samantha Wysocki and Adam Hawkes

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/DDDMMSS-decimal.html

Surveyor	Depth (m)	Substrate	Transect	Point	Distance from shore (m)	Notes	*Brasenia schreberi*	*Ceratophyllum echinatum*	*Eleocharis* species	*Myriophyllum heterophyllum*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton bicupulatus*	*Potamogeton oakesianus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Spirodela polyrhiza*	Unidentified sedges	*Utricularia gibba*	*Utricularia intermedia*	*Utricularia macrorhiza*	*Utricularia purpurea*	*Utricularia radiata*	*Vallisneria americana*	Date	Latitude	Longitude
Greg Bugbee	0.10	Sand	11	1	0.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37337	-72.22746
Greg Bugbee	1.00	Sand	11	2	5.0		0	0	0	4	0	2	0	0	0	0	0	0	0	2	0	0	0	1	3	7/12/2013	41.37340	-72.22750
Greg Bugbee	1.00	Sand	11	3	10.0		0	0	0	4	0	2	0	0	0	0	0	0	0	2	0	0	0	1	0	7/12/2013	41.37343	-72.22755
Greg Bugbee	1.90	Sand	11	4	20.0		0	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	7/12/2013	41.37349	-72.22762
Greg Bugbee	3.10	Silt	11	5	30.0		0	0	0	4	0	0	0	0	0	0	3	0	0	2	0	0	0	2	0	7/12/2013	41.37359	-72.22768
Greg Bugbee	4.70	Silt	11	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37366	-72.22773
Greg Bugbee	5.20	Silt	11	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37372	-72.22789
Greg Bugbee	6.30	Silt	11	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37374	-72.22801
Greg Bugbee	6.30	Silt	11	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37384	-72.22802
Greg Bugbee	7.00	Silt	11	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/12/2013	41.37389	-72.22819
Jordan Gibbons	0.50	Sand	12	1	0.5		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	7/10/2013	41.37622	-72.22767
Jordan Gibbons	0.75	Sand	12	2	5.0		0	0	0	4	0	0	0	0	0	0	3	0	0	2	0	0	0	0	0	7/10/2013	41.37619	-72.22770
Jordan Gibbons	1.90	Muck	12	3	10.0		0	0	0	4	0	0	0	0	0	0	3	0	0	2	0	0	2	0	0	7/10/2013	41.37616	-72.22774
Jordan Gibbons	2.60	Muck	12	4	20.0		0	0	0	3	0	0	0	0	0	0	4	0	0	2	0	0	0	0	0	7/10/2013	41.37612	-72.22788
Jordan Gibbons	2.60	Muck	12	5	30.0		0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	3	0	0	7/10/2013	41.37607	-72.22796
Jordan Gibbons	4.80	Muck	12	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37605	-72.22808
Jordan Gibbons	5.40	Muck	12	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37601	-72.22819
Jordan Gibbons	6.00	Muck	12	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37600	-72.22831
Jordan Gibbons	6.20	Muck	12	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37598	-72.22844
Jordan Gibbons	6.20	Muck	12	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37596	-72.22855
Jordan Gibbons	0.50	Sand	13	1	0.5		0	0	0	3	0	0	0	0	0	0	3	0	0	3	0	0	0	0	4	7/10/2013	41.37757	-72.22852
Jordan Gibbons	1.00	Muck	13	2	5.0		0	0	0	4	0	0	0	0	0	0	3	0	0	3	0	0	3	0	0	7/10/2013	41.37756	-72.22856
Jordan Gibbons	2.20	Muck	13	3	10.0		0	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	7/10/2013	41.37753	-72.22865
Jordan Gibbons	2.60	Muck	13	4	20.0		0	0	0	3	0	0	0	0	0	0	3	0	0	2	0	0	0	0	0	7/10/2013	41.37749	-72.22871
Jordan Gibbons	4.50	Muck	13	5	30.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37752	-72.22889

Pattagansett Lake, East Lyme

Transect Data

Surveyed by Greg Bugbee, Jordan Gibbons, Samantha Wysocki and Adam Hawkes

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from shore (m)	Notes	*Brasenia schreberi*	*Ceratophyllum echinatum*	*Eleocharis* species	*Myriophyllum heterophyllum*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton bicupulatus*	*Potamogeton oakesianus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Spirodela polyrhiza*	Unidentified sedges	*Utricularia gibba*	*Utricularia intermedia*	*Utricularia macrorhiza*	*Utricularia purpurea*	*Utricularia radiata*	*Vallisneria americana*	Date	Latitude	Longitude
Jordan Gibbons	4.90	Muck	13	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37751	-72.22901
Jordan Gibbons	5.20	Muck	13	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37749	-72.22911
Jordan Gibbons	5.30	Muck	13	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37742	-72.22921
Jordan Gibbons	5.30	Muck	13	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37736	-72.22932
Jordan Gibbons	5.30	Muck	13	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7/10/2013	41.37732	-72.22943