

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 <a href="http://www.fcc.gov/mb/audio/bickel/DDDMSS-decimal.html">http://www.fcc.gov/mb/audio/bickel/DDDMSS-decimal.html</a>															
Surveyor	Depth (m)	Substrate	Transect	Point	Distance from shore (m)	Notes	<i>Callitriche</i> species	<i>Elatine</i> species	<i>Eleocharis</i> species	<i>Ludwigia</i> species	<i>Myriophyllum heterophyllum</i>	<i>Najas guadalupensis</i>	<i>Nuphar variegata</i>	<i>Sagittaria</i> species	<i>Utricularia gibba</i>	<i>Utricularia macrorhiza</i>	<i>Utricularia purpurea</i>	<i>Vallisneria americana</i>	Date	Latitude	Longitude
Jordan Gibbons	0.50	Organic	1	1	0.5		0	2	2	3	2	0	0	0	2	0	0	0	6/26/2013	41.48913	-71.87662
Jordan Gibbons	1.00	Organic	1	2	5.0		2	0	3	2	0	0	0	2	0	0	0	0	6/26/2013	41.48909	-71.87652
Jordan Gibbons	1.75	Muck	1	3	10.0		0	0	5	0	0	0	0	0	0	0	0	0	6/26/2013	41.48907	-71.87644
Jordan Gibbons	1.20	Muck	1	4	20.0		0	0	5	0	0	0	1	0	0	0	0	0	6/26/2013	41.48905	-71.87634
Jordan Gibbons	1.40	Muck	1	5	30.0		0	0	5	0	0	0	1	0	0	0	0	0	6/26/2013	41.48904	-71.87622
Jordan Gibbons	1.40	Muck	1	6	40.0		1	0	2	1	4	0	0	0	0	0	0	0	6/26/2013	41.48900	-71.87615
Jordan Gibbons	1.80	Muck	1	7	50.0		0	0	0	2	0	0	0	0	1	0	0	0	6/26/2013	41.48897	-71.87599
Jordan Gibbons	0.50	Gravel	1	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.48892	-71.87588
Jordan Gibbons	1.60	Gravel	1	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.48881	-71.87578
Jordan Gibbons	1.60	Muck	1	10	80.0		0	0	4	0	0	0	1	0	0	0	0	0	6/26/2013	41.48876	-71.87576
Jordan Gibbons	0.50	Gravel	2	1	0.5		0	0	2	0	0	0	0	0	0	0	0	0	6/26/2013	41.49106	-71.87392
Jordan Gibbons	1.50	Gravel	2	2	5.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49104	-71.87384
Jordan Gibbons	1.80	Gravel	2	3	10.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49101	-71.87381
Jordan Gibbons	3.40	Gravel	2	4	20.0		0	0	0	0	0	3	0	0	0	0	0	0	6/26/2013	41.49101	-71.87371
Jordan Gibbons	6.40	Muck	2	5	30.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49099	-71.87351
Jordan Gibbons	6.90	Gravel	2	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49093	-71.87348



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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from shore (m)	Notes	<i>Callitriche</i> species	<i>Elatine</i> species	<i>Eleocharis</i> species	<i>Ludwigia</i> species	<i>Myriophyllum heterophyllum</i>	<i>Najas guadalupensis</i>	<i>Nuphar variegata</i>	<i>Sagittaria</i> species	<i>Utricularia gibba</i>	<i>Utricularia macrorhiza</i>	<i>Utricularia purpurea</i>	<i>Vallisneria americana</i>	Date	Latitude	Longitude
Jordan Gibbons	7.00	Muck	2	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49091	-71.87336
Jordan Gibbons	7.20	Muck	2	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49088	-71.87324
Jordan Gibbons	7.40	Muck	2	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49085	-71.87313
Jordan Gibbons	7.40	Muck	2	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49082	-71.87303
Jordan Gibbons	0.50	Gravel	3	1	0.5		0	2	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49259	-71.87232
Jordan Gibbons	1.00	Gravel	3	2	5.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49257	-71.87227
Jordan Gibbons	2.20	Gravel	3	3	10.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49255	-71.87223
Jordan Gibbons	2.60	Gravel	3	4	20.0		0	0	0	0	0	3	0	0	0	0	0	0	6/26/2013	41.49246	-71.87215
Jordan Gibbons	3.00	Muck	3	5	30.0		0	0	0	0	0	4	0	0	0	0	0	0	6/26/2013	41.49244	-71.87201
Jordan Gibbons	4.20	Muck	3	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49236	-71.87197
Jordan Gibbons	4.80	Muck	3	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49234	-71.87182
Jordan Gibbons	5.00	Muck	3	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49234	-71.87171
Jordan Gibbons	6.50	Muck	3	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49219	-71.87165
Jordan Gibbons	6.80	Muck	3	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49218	-71.87155
Jordan Gibbons	0.50	Sand	4	1	0.5		2	3	2	3	0	0	0	0	0	0	0	0	6/26/2013	41.49200	-71.86863
Jordan Gibbons	0.70	Sand	4	2	5.0		2	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49202	-71.86871



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Jordan Gibbons	1.70	Muck	4	3	10.0		3	0	2	0	0	0	0	1	0	0	0	0	6/26/2013	41.49203	-71.86875
Jordan Gibbons	2.00	Muck	4	4	20.0		0	0	0	0	0	0	0	0	2	0	0	0	6/26/2013	41.49205	-71.86888
Jordan Gibbons	1.60	Muck	4	5	30.0		0	0	0	4	0	0	0	0	0	0	0	0	6/26/2013	41.49208	-71.86900
Jordan Gibbons	1.80	Muck	4	6	40.0		0	0	0	4	0	0	2	0	2	2	2	0	6/26/2013	41.49207	-71.86910
Jordan Gibbons	2.00	Muck	4	7	50.0		0	0	0	2	0	0	1	0	1	0	0	0	6/26/2013	41.49209	-71.86922
Jordan Gibbons	2.10	Muck	4	8	60.0		0	0	0	0	0	2	0	0	0	0	0	0	6/26/2013	41.49209	-71.86934
Jordan Gibbons	2.20	Muck	4	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49211	-71.86947
Jordan Gibbons	2.20	Muck	4	10	80.0	Charaphyte	0	0	0	0	0	0	0	0	0	0	0	0	6/26/2013	41.49210	-71.86959
Jordan Gibbons	0.50	Gravel	5	1	0.5		0	0	1	0	0	0	0	0	0	0	0	0	6/26/2013	41.48850	-71.86853
Jordan Gibbons	0.50	Gravel	5	2	5.0		0	1	1	0	0	0	0	0	0	0	0	0	6/26/2013	41.48851	-71.86859
Jordan Gibbons	1.50	Muck	5	3	10.0		0	0	1	2	0	0	0	0	0	0	0	0	6/26/2013	41.48854	-71.86865
Jordan Gibbons	2.00	Muck	5	4	20.0		0	0	0	0	0	4	0	0	0	0	0	0	6/26/2013	41.48857	-71.86877
Jordan Gibbons	2.20	Muck	5	5	30.0		0	0	0	0	0	4	0	0	0	0	0	0	6/26/2013	41.48856	-71.86885
Jordan Gibbons	2.30	Muck	5	6	40.0		0	0	0	0	0	4	0	0	0	0	0	0	6/26/2013	41.48857	-71.86898
Jordan Gibbons	2.30	Muck	5	7	50.0		0	0	0	0	0	4	0	0	3	0	1	0	6/26/2013	41.48863	-71.86907
Jordan Gibbons	2.20	Muck	5	8	60.0		0	0	0	0	0	4	0	0	0	0	0	0	6/26/2013	41.48861	-71.86920



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Jordan Gibbons	2.30	Muck	5	9	70.0		0	0	0	0	0	3	0	0	1	0	0	0	6/26/2013	41.48862	-71.86934
Jordan Gibbons	2.30	Muck	5	10	80.0		0	0	0	0	0	3	0	0	0	0	1	0	6/26/2013	41.48865	-71.86942
Jordan Gibbons	0.50	Bedrock	6	1	0.5		0	0	0	0	0	0	0	0	0	0	0	0	6/27/2013	41.48613	-71.87032
Jordan Gibbons	1.60	Bedrock	6	2	5.0		0	0	0	0	0	0	0	0	0	1	1	0	6/27/2013	41.48618	-71.87038
Jordan Gibbons	1.40	Muck	6	3	10.0		0	0	3	0	0	0	0	0	2	0	1	0	6/27/2013	41.48620	-71.87039
Jordan Gibbons	2.10	Muck	6	4	20.0		0	0	0	0	0	2	0	0	1	0	1	0	6/27/2013	41.48630	-71.87045
Jordan Gibbons	2.30	Muck	6	5	30.0	Charaphyte	0	0	0	0	0	3	0	0	0	0	0	0	6/27/2013	41.48637	-71.87055
Jordan Gibbons	2.40	Muck	6	6	40.0		0	0	0	0	0	2	0	0	0	0	0	0	6/27/2013	41.48644	-71.87061
Jordan Gibbons	2.40	Muck	6	7	50.0		0	0	0	0	0	2	0	0	0	0	0	0	6/27/2013	41.48651	-71.87068
Jordan Gibbons	2.40	Muck	6	8	60.0	Charaphyte	0	0	0	0	0	2	0	0	0	0	0	0	6/27/2013	41.48661	-71.87074
Jordan Gibbons	2.40	Muck	6	9	70.0		0	0	0	0	0	2	0	0	0	0	0	0	6/27/2013	41.48663	-71.87088
Jordan Gibbons	2.20	Muck	6	10	80.0	Charaphyte	0	0	0	0	0	2	0	0	0	0	0	0	6/27/2013	41.48671	-71.87092
Jordan Gibbons	0.50	Gravel	7	1	0.5		2	0	2	0	0	0	0	0	0	0	0	0	6/27/2013	41.48623	-71.87306
Jordan Gibbons	0.50	Gravel	7	2	5.0		0	2	0	0	0	0	0	0	0	0	0	0	6/27/2013	41.48628	-71.87310
Jordan Gibbons	1.30	Gravel	7	3	10.0		0	0	2	0	0	0	0	1	0	0	0	0	6/27/2013	41.48634	-71.87316
Jordan Gibbons	2.10	Muck	7	4	20.0	Charaphyte	0	0	0	0	0	0	0	0	1	0	2	0	6/27/2013	41.48643	-71.87320



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Jordan Gibbons	2.30	Muck	7	5	30.0		0	0	0	0	0	2	0	0	0	0	1	0	6/27/2013	41.48651	-71.87326
Jordan Gibbons	2.30	Muck	7	6	40.0		0	0	0	0	0	4	0	0	0	0	0	0	6/27/2013	41.48660	-71.87335
Jordan Gibbons	2.30	Muck	7	7	50.0		0	0	0	0	0	4	0	0	0	0	0	0	6/27/2013	41.48665	-71.87344
Jordan Gibbons	2.40	Muck	7	8	60.0		0	0	0	0	2	4	0	0	1	0	0	0	6/27/2013	41.48674	-71.87346
Jordan Gibbons	2.50	Muck	7	9	70.0		0	0	0	0	0	3	0	0	0	0	0	0	6/27/2013	41.48678	-71.87358
Jordan Gibbons	2.50	Muck	7	10	80.0		0	0	0	0	0	4	0	0	0	0	0	0	6/27/2013	41.48690	-71.87359
Jordan Gibbons	0.50	Sand	8	1	0.5		0	0	0	0	0	0	0	0	0	0	0	0	6/27/2013	41.48576	-71.87599
Jordan Gibbons	0.50	Sand	8	2	5.0		0	0	0	2	0	0	0	0	1	0	0	0	6/27/2013	41.48580	-71.87596
Jordan Gibbons	1.00	Sand	8	3	10.0		0	0	2	0	0	0	0	1	0	0	0	0	6/27/2013	41.48585	-71.87593
Jordan Gibbons	1.70	Sand	8	4	20.0		0	0	2	1	0	0	0	0	0	0	0	1	6/27/2013	41.48591	-71.87586
Jordan Gibbons	1.50	Sand	8	5	30.0		0	0	3	0	0	0	0	1	0	0	0	0	6/27/2013	41.48599	-71.87581
Jordan Gibbons	1.70	Sand	8	6	40.0		0	0	0	2	0	0	0	0	1	0	0	0	6/27/2013	41.48606	-71.87574
Jordan Gibbons	2.00	Muck	8	7	50.0		0	0	0	0	0	2	0	0	2	0	0	0	6/27/2013	41.48612	-71.87563
Jordan Gibbons	2.20	Muck	8	8	60.0		0	0	0	0	0	2	0	0	0	0	0	0	6/27/2013	41.48619	-71.87557
Jordan Gibbons	2.20	Muck	8	9	70.0		0	0	0	0	0	3	0	0	0	0	0	0	6/27/2013	41.48626	-71.87548
Jordan Gibbons	2.40	Muck	8	10	80.0		0	0	0	0	0	3	0	0	0	0	0	0	6/27/2013	41.48633	-71.87542



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Jordan Gibbons	0.50	Sand	9	1	0.5		0	0	0	0	0	0	0	0	0	0	0	0	6/27/2013	41.48688	-71.87727
Jordan Gibbons	0.50	Sand	9	2	5.0		0	2	0	1	0	0	0	0	0	0	0	0	6/27/2013	41.48694	-71.87729
Jordan Gibbons	0.50	Sand	9	3	10.0		0	0	0	0	0	0	0	0	0	0	0	0	6/27/2013	41.48699	-71.87728
Jordan Gibbons	0.50	Gravel	9	4	20.0		0	0	2	0	0	0	0	0	0	0	0	0	6/27/2013	41.48707	-71.87723
Jordan Gibbons	0.70	Gravel	9	5	30.0		0	0	3	0	0	0	0	0	1	0	0	0	6/27/2013	41.48715	-71.87717
Jordan Gibbons	1.70	Muck	9	6	40.0		0	0	2	0	1	0	0	0	2	0	1	0	6/27/2013	41.48722	-71.87709
Jordan Gibbons	1.90	Muck	9	7	50.0		0	0	0	3	0	0	0	0	0	0	0	0	6/27/2013	41.48730	-71.87706
Jordan Gibbons	1.80	Muck	9	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	6/27/2013	41.48737	-71.87697
Jordan Gibbons	2.10	Muck	9	9	70.0		0	0	0	0	0	2	0	0	0	0	0	0	6/27/2013	41.48744	-71.87688
Jordan Gibbons	2.30	Muck	9	10	80.0		0	0	0	0	0	2	0	0	0	0	0	0	6/27/2013	41.48753	-71.87685
Jordan Gibbons	0.50	Sand	10	1	0.5		0	0	0	0	0	0	0	0	0	0	0	0	6/27/2013	41.49102	-71.86948
Jordan Gibbons	0.50	Sand	10	2	5.0		0	0	0	0	0	0	0	0	0	0	0	0	6/27/2013	41.49104	-71.86959
Jordan Gibbons	1.70	Sand	10	3	10.0		0	0	2	0	0	0	0	0	0	0	0	0	6/27/2013	41.49103	-71.86965
Jordan Gibbons	1.90	Muck	10	4	20.0		0	0	0	0	2	2	0	0	2	0	2	0	6/27/2013	41.49102	-71.86974
Jordan Gibbons	2.10	Muck	10	5	30.0	Charaphyte	0	0	0	0	0	2	0	0	3	0	2	0	6/27/2013	41.49103	-71.86988
Jordan Gibbons	2.20	Muck	10	6	40.0		0	0	0	0	0	2	0	0	1	0	1	0	6/27/2013	41.49105	-71.87001



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 <a href="http://www.fcc.gov/mb/audio/bickel/DDDMSS-decimal.html">http://www.fcc.gov/mb/audio/bickel/DDDMSS-decimal.html</a>															
Surveyor	Depth (m)	Substrate	Transect	Point	Distance from shore (m)	Notes	<i>Callitriche</i> species	<i>Elatine</i> species	<i>Eleocharis</i> species	<i>Ludwigia</i> species	<i>Myriophyllum heterophyllum</i>	<i>Najas guadalupensis</i>	<i>Nuphar variegata</i>	<i>Sagittaria</i> species	<i>Utricularia gibba</i>	<i>Utricularia macrorhiza</i>	<i>Utricularia purpurea</i>	<i>Vallisneria americana</i>	Date	Latitude	Longitude
Jordan Gibbons	2.10	Muck	10	7	50.0		0	0	0	0	0	0	0	0	0	0	2	0	6/27/2013	41.49104	-71.87011
Jordan Gibbons	1.90	Gravel	10	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	6/27/2013	41.49107	-71.87022
Jordan Gibbons	1.20	Gravel	10	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	6/27/2013	41.49109	-71.87035
Jordan Gibbons	2.10	Muck	10	10	80.0		0	0	0	0	3	0	0	0	0	0	0	0	6/27/2013	41.49111	-71.87048

