Tyler Lake, Goshen

Transect Data

Surveyed by Jordan Gibbons and Samantha Wysocki

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	*Ceratophyllum demersum*	*Elodea canadensis*	*Megalodonta beckii*	*Myriophyllum spicatum*	*Najas flexilis*	*Najas guadalupensis*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton gramineus*	*Potamogeton natans*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Sagittaria species*	*Sparganium species*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	Date	Latitude	Longitude
Jordan Gibbons	0.5	Muck	1	1	.5		0	0	0	1	0	0	0	0	3	0	0	0	0	0	0	1	0	2	0	0	0	0	9/3/2013	41.83788	-73.26682
Jordan Gibbons	0.5	Muck	1	2	5.0		0	0	1	2	0	0	0	0	0	1	0	0	0	0	0	2	4	0	0	0	0	0	9/3/2013	41.83788	-73.26675
Jordan Gibbons	0.5	Muck	1	3	10.0		1	0	0	0	0	4	0	0	0	0	0	0	2	0	0	0	4	0	0	0	0	2	9/3/2013	41.83788	-73.26669
Jordan Gibbons	0.9	Muck	1	4	20.0		0	3	0	0	2	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	9/3/2013	41.83787	-73.26654
Jordan Gibbons	1.1	Muck	1	5	30.0		0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	9/3/2013	41.83785	-73.26643
Jordan Gibbons	1.4	Muck	1	6	40.0		1	2	0	0	0	0	0	0	0	4	0	0	0	2	0	2	0	0	0	0	0	0	9/3/2013	41.83785	-73.26631
Jordan Gibbons	1.6	Muck	1	7	50.0		0	3	0	2	0	0	0	0	0	0	0	0	0	2	0	3	3	0	0	0	0	0	9/3/2013	41.83783	-73.26619
Jordan Gibbons	1.8	Muck	1	8	60.0		0	0	0	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	9/3/2013	41.83784	-73.26607
Jordan Gibbons	1.8	Muck	1	9	70.0		0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	9/3/2013	41.83780	-73.26595
Jordan Gibbons	2.1	Muck	1	10	80.0		3	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	9/3/2013	41.83780	-73.26584
Jordan Gibbons	0.5	Organic	2	1	.5		0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	2	0	0	0	3	9/3/2013	41.83956	-73.26602
Jordan Gibbons	0.5	Organic	2	2	5.0		1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	9/3/2013	41.83953	-73.26597
Jordan Gibbons	0.5	Organic	2	3	10.0		1	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	2	9/3/2013	41.83949	-73.26591
Jordan Gibbons	0.5	Muck	2	4	20.0		0	0	1	2	2	3	0	0	0	0	0	0	2	0	0	0	5	0	0	0	0	2	9/3/2013	41.83946	-73.26581
Jordan Gibbons	0.7	Muck	2	5	30.0		0	2	0	1	0	4	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	2	9/3/2013	41.83938	-73.26572
Jordan Gibbons	0.7	Muck	2	6	40.0		0	0	1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9/3/2013	41.83935	-73.26561
Jordan Gibbons	0.7	Muck	2	7	50.0		0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9/3/2013	41.83934	-73.26550
Jordan Gibbons	0.8	Muck	2	8	60.0		0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/3/2013	41.83929	-73.26538
Jordan Gibbons	1.1	Muck	2	9	70.0		0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	9/3/2013	41.83928	-73.26523
Jordan Gibbons	1.2	Muck	2	10	80.0		0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	9/3/2013	41.83927	-73.26510

Tyler Lake, Goshen

Transect Data

Surveyed by Jordan Gibbons and Samantha Wysocki

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from Shore (m)	Notes	*Ceratophyllum demersum*	*Elodea canadensis*	*Megalodonta beckii*	*Myriophyllum spicatum*	*Najas flexilis*	*Najas guadalupensis*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton gramineus*	*Potamogeton natans*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Sagittaria species*	*Sparganium species*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	Date	Latitude	Longitude
Jordan Gibbons	0.5	Organic	3	1	.5		0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	4	9/3/2013	41.84024	-73.26425
Jordan Gibbons	0.5	Muck	3	2	5.0		1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	3	9/3/2013	41.84023	-73.26419
Jordan Gibbons	0.9	Muck	3	3	10.0		1	0	2	1	0	3	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	3	9/3/2013	41.84017	-73.26417
Jordan Gibbons	1.2	Muck	3	4	20.0		0	0	0	0	0	3	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0	0	9/3/2013	41.84010	-73.26408
Jordan Gibbons	1.4	Muck	3	5	30.0		0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	3	0	0	0	0	0	0	9/3/2013	41.84004	-73.26396
Jordan Gibbons	1.7	Muck	3	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	9/3/2013	41.84001	-73.26386
Jordan Gibbons	2.0	Muck	3	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	0	9/3/2013	41.83996	-73.26374
Jordan Gibbons	0.9	Muck	3	8	60.0		2	1	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	9/3/2013	41.83995	-73.26362
Jordan Gibbons	2.2	Muck	3	9	70.0		2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	9/3/2013	41.83991	-73.26349
Jordan Gibbons	2.2	Muck	3	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	9/3/2013	41.83989	-73.26337
Jordan Gibbons	0.5	Muck	4	1	.5		2	0	2	0	0	0	4	0	2	0	0	0	0	0	0	0	1	0	0	2	2	0	9/3/2013	41.84340	-73.26256
Jordan Gibbons	0.5	Muck	4	2	5.0		0	0	0	1	0	0	5	0	0	0	0	0	0	0	0	0	2	0	0	3	2	0	9/3/2013	41.84337	-73.26251
Jordan Gibbons	0.5	Muck	4	3	10.0		5	0	0	0	0	0	2	0	0	4	0	1	0	0	0	0	3	0	0	3	2	0	9/3/2013	41.84334	-73.26248
Jordan Gibbons	0.6	Muck	4	4	20.0		4	3	0	0	0	0	2	0	0	0	0	2	0	0	0	0	2	0	0	3	0	0	9/3/2013	41.84324	-73.26239
Jordan Gibbons	0.6	Muck	4	5	30.0		5	2	0	0	0	0	0	2	0	0	0	3	0	0	0	0	4	0	0	2	2	0	9/3/2013	41.84316	-73.26238
Jordan Gibbons	0.5	Muck	4	6	40.0		0	3	2	2	2	0	2	0	0	0	0	2	0	0	0	0	3	0	0	0	0	0	9/3/2013	41.84312	-73.26229
Jordan Gibbons	0.7	Muck	4	7	50.0		3	0	0	2	3	0	2	0	0	0	0	0	2	0	0	0	3	0	0	1	0	0	9/3/2013	41.84303	-73.26224
Jordan Gibbons	0.7	Muck	4	8	60.0		1	1	0	2	0	0	4	0	0	0	0	0	0	0	0	0	4	0	0	3	0	0	9/3/2013	41.84295	-73.26219
Jordan Gibbons	0.6	Muck	4	9	70.0		1	2	2	2	0	0	3	0	0	0	0	0	0	0	0	0	4	0	0	2	0	0	9/3/2013	41.84286	-73.26213
Jordan Gibbons	0.8	Muck	4	10	80.0		1	0	3	0	0	0	0	0	0	2	0	0	1	0	0	0	5	0	0	0	0	0	9/3/2013	41.84276	-73.26207

Tyler Lake, Goshen

Transect Data

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from Shore (m)	Notes	*Ceratophyllum demersum*	*Elodea canadensis*	*Megalodonta beckii*	*Myriophyllum spicatum*	*Najas flexilis*	*Najas guadalupensis*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton gramineus*	*Potamogeton natans*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Sagittaria species*	*Sparganium species*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	Date	Latitude	Longitude
Jordan Gibbons	0.5	Muck	5	1	.5		2	2	1	0	0	0	3	0	0	2	0	1	1	0	1	0	3	0	2	3	2	0	9/4/2013	41.84307	-73.25842
Jordan Gibbons	0.6	Muck	5	2	5.0		3	3	0	0	0	0	2	0	0	0	0	2	0	0	0	0	3	0	2	3	2	0	9/4/2013	41.84302	-73.25847
Jordan Gibbons	0.5	Muck	5	3	10.0		2	3	0	1	0	0	3	0	0	2	0	0	0	0	0	0	4	0	0	3	2	0	9/4/2013	41.84299	-73.25850
Jordan Gibbons	0.6	Muck	5	4	20.0		2	1	0	0	0	0	2	0	0	2	0	0	0	0	0	0	5	0	2	2	1	0	9/4/2013	41.84292	-73.25855
Jordan Gibbons	0.6	Muck	5	5	30.0		3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	4	2	0	9/4/2013	41.84284	-73.25860
Jordan Gibbons	0.8	Muck	5	6	40.0		4	0	0	0	0	0	2	0	0	0	0	3	0	0	0	0	3	0	0	3	2	0	9/4/2013	41.84274	-73.25869
Jordan Gibbons	0.6	Muck	5	7	50.0		5	2	0	0	0	0	2	0	0	0	0	2	1	0	0	0	1	0	2	2	2	0	9/4/2013	41.84270	-73.25875
Jordan Gibbons	0.5	Muck	5	8	60.0		4	2	2	2	0	0	3	0	0	0	0	0	0	0	0	0	2	0	2	2	2	0	9/4/2013	41.84261	-73.25883
Jordan Gibbons	0.5	Muck	5	9	70.0		3	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	3	0	0	3	2	0	9/4/2013	41.84255	-73.25891
Jordan Gibbons	1.0	Muck	5	10	80.0		4	3	5	2	0	0	0	0	0	0	0	0	0	2	0	0	4	0	0	3	1	0	9/4/2013	41.84248	-73.25900
Jordan Gibbons	0.5	Muck	6	1	.5	floating	2	2	2	2	0	0	2	0	4	0	0	0	0	2	0	0	0	0	0	2	3	0	9/4/2013	41.84114	-73.25733
Jordan Gibbons	0.5	Muck	6	2	5.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	2	1	0	9/4/2013	41.84110	-73.25738
Jordan Gibbons	0.5	Organic	6	3	10.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9/4/2013	41.84108	-73.25740
Jordan Gibbons	0.9	Organic	6	4	20.0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9/4/2013	41.84098	-73.25751
Jordan Gibbons	1.1	Muck	6	5	30.0		0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	9/4/2013	41.84089	-73.25759
Jordan Gibbons	1.0	Muck	6	6	40.0		0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	3	9/4/2013	41.84086	-73.25765
Jordan Gibbons	1.2	Muck	6	7	50.0		0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	2	9/4/2013	41.84078	-73.25775
Jordan Gibbons	1.3	Muck	6	8	60.0		0	0	0	0	0	3	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	9/4/2013	41.84065	-73.25771
Jordan Gibbons	1.4	Muck	6	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	9/4/2013	41.84055	-73.25769
Jordan Gibbons	1.6	Muck	6	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	9/4/2013	41.84047	-73.25773

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from Shore (m)	Notes	*Ceratophyllum demersum*	*Elodea canadensis*	*Megalodonta beckii*	*Myriophyllum spicatum*	*Najas flexilis*	*Najas guadalupensis*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton gramineus*	*Potamogeton natans*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Sagittaria species*	*Sparganium species*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	Date	Latitude	Longitude
Jordan Gibbons	0.5	Sand	7	1	.5	floating	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	9/4/2013	41.83865	-73.25538
Jordan Gibbons	0.5	Muck	7	2	5.0		0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	9/4/2013	41.83867	-73.25542
Jordan Gibbons	0.5	Sand	7	3	10.0		0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	9/4/2013	41.83869	-73.25552
Jordan Gibbons	0.7	Muck	7	4	20.0		0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2	9/4/2013	41.83874	-73.25562
Jordan Gibbons	1.0	Muck	7	5	30.0		0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0	9/4/2013	41.83872	-73.25574
Jordan Gibbons	1.1	Muck	7	6	40.0		0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	9/4/2013	41.83873	-73.25586
Jordan Gibbons	1.1	Muck	7	7	50.0		0	0	0	1	0	2	0	0	0	0	0	0	1	3	0	1	0	0	0	0	0	0	9/4/2013	41.83876	-73.25598
Jordan Gibbons	1.4	Muck	7	8	60.0		0	0	2	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	9/4/2013	41.83880	-73.25610
Jordan Gibbons	1.6	Muck	7	9	70.0		0	2	0	0	0	0	0	0	0	0	0	0	0	4	0	3	0	0	0	0	0	0	9/4/2013	41.83886	-73.25619
Jordan Gibbons	1.7	Muck	7	10	80.0		0	3	3	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	9/4/2013	41.83890	-73.25630
Jordan Gibbons	0.5	Sand	8	1	.5		0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	2	9/4/2013	41.83697	-73.25743
Jordan Gibbons	0.5	Sand	8	2	5.0		0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/4/2013	41.83701	-73.25750
Jordan Gibbons	1.0	Sand	8	3	10.0		0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	1	0	1	0	0	0	0	9/4/2013	41.83704	-73.25755
Jordan Gibbons	1.5	Muck	8	4	20.0		0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	9/4/2013	41.83705	-73.25766
Jordan Gibbons	1.5	Muck	8	5	30.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	9/4/2013	41.83712	-73.25775
Jordan Gibbons	1.8	Muck	8	6	40.0		0	0	0	0	0	0	0	0	0	1	0	0	0	3	0	2	0	0	0	0	0	0	9/4/2013	41.83716	-73.25786
Jordan Gibbons	1.9	Muck	8	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	0	0	0	0	0	0	9/4/2013	41.83718	-73.25797
Jordan Gibbons	2.0	Muck	8	8	60.0		0	0	0	0	0	2	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	9/4/2013	41.83720	-73.25811
Jordan Gibbons	2.1	Muck	8	9	70.0		0	0	0	3	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	9/4/2013	41.83726	-73.25821
Jordan Gibbons	3.3	Muck	8	10	80.0		0	0	0	3	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	9/4/2013	41.83733	-73.25831

Tyler Lake, Goshen

Transect Data

Surveyed by Jordan Gibbons and Samantha Wysocki

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from Shore (m)	Notes	*Ceratophyllum demersum*	*Elodea canadensis*	*Megalodonta beckii*	*Myriophyllum spicatum*	*Najas flexilis*	*Najas guadalupensis*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton gramineus*	*Potamogeton natans*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Sagittaria species*	*Sparganium species*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	Date	Latitude	Longitude
Jordan Gibbons	0.5	Gravel	9	1	.5		0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	9/4/2013	41.83560	-73.25776
Jordan Gibbons	0.6	Gravel	9	2	5.0		0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	9/4/2013	41.83558	-73.25781
Jordan Gibbons	1.0	Muck	9	3	10.0		0	0	0	0	0	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	9/4/2013	41.83557	-73.25785
Jordan Gibbons	1.4	Muck	9	4	20.0		0	0	0	0	0	4	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	9/4/2013	41.83554	-73.25796
Jordan Gibbons	1.7	Muck	9	5	30.0		0	1	0	0	0	3	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	9/4/2013	41.83556	-73.25813
Jordan Gibbons	3.2	Muck	9	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	2	9/4/2013	41.83558	-73.25825
Jordan Gibbons	4.9	Muck	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	9/4/2013	41.83557	-73.25836
Jordan Gibbons	5.4	Muck	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	9/4/2013	41.83551	-73.25849
Jordan Gibbons	5.6	Muck	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	9/4/2013	41.83559	-73.25861
Jordan Gibbons	5.7	Muck	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	9/4/2013	41.83553	-73.25875
Jordan Gibbons	0.5	Gravel	10	1	.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/4/2013	41.83315	-73.25707
Jordan Gibbons	0.7	Sand	10	2	5.0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	9/4/2013	41.83314	-73.25712
Jordan Gibbons	0.6	Gravel	10	3	10.0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/4/2013	41.83310	-73.25720
Jordan Gibbons	1.2	Gravel	10	4	20.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	9/4/2013	41.83310	-73.25732
Jordan Gibbons	1.4	Muck	10	5	30.0		0	0	1	0	0	2	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	9/4/2013	41.83308	-73.25743
Jordan Gibbons	1.7	Muck	10	6	40.0		0	0	0	0	0	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	9/4/2013	41.83304	-73.25756
Jordan Gibbons	1.8	Muck	10	7	50.0		0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	9/4/2013	41.83300	-73.25766
Jordan Gibbons	2.0	Muck	10	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	9/4/2013	41.83294	-73.25777
Jordan Gibbons	1.9	Muck	10	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	9/4/2013	41.83292	-73.25782
Jordan Gibbons	1.5	Muck	10	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	9/4/2013	41.83291	-73.25801

Tyler Lake, Goshen

Transect Data

Surveyed by Jordan Gibbons and Samantha Wysocki

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from Shore (m)	Notes	*Ceratophyllum demersum*	*Elodea canadensis*	*Megalodonta beckii*	*Myriophyllum spicatum*	*Najas flexilis*	*Najas guadalupensis*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton gramineus*	*Potamogeton natans*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Sagittaria species*	*Sparganium species*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	Date	Latitude	Longitude
Jordan Gibbons	0.5	Gravel	11	1	.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/4/2013	41.83274	-73.25934
Jordan Gibbons	0.6	Sand	11	2	5.0		0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	9/4/2013	41.83278	-73.25932
Jordan Gibbons	1.1	Muck	11	3	10.0		0	3	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	9/4/2013	41.83283	-73.25925
Jordan Gibbons	1.9	Muck	11	4	20.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	9/4/2013	41.83293	-73.25920
Jordan Gibbons	1.9	Muck	11	5	30.0		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0	0	9/4/2013	41.83302	-73.25919
Jordan Gibbons	1.9	Muck	11	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	9/4/2013	41.83310	-73.25915
Jordan Gibbons	2.1	Muck	11	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	9/4/2013	41.83319	-73.25912
Jordan Gibbons	2.1	Muck	11	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	4	0	0	0	0	0	0	9/4/2013	41.83328	-73.25907
Jordan Gibbons	2.1	Muck	11	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	1	0	0	0	0	0	9/4/2013	41.83336	-73.25897
Jordan Gibbons	2.8	Muck	11	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	9/4/2013	41.83338	-73.25885
Jordan Gibbons	0.5	Gravel	12	1	.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/4/2013	41.83326	-73.26067
Jordan Gibbons	0.5	Gravel	12	2	5.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/4/2013	41.83330	-73.26064
Jordan Gibbons	1.0	Gravel	12	3	10.0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/4/2013	41.83335	-73.26062
Jordan Gibbons	1.4	Gravel	12	4	20.0		0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	9/4/2013	41.83345	-73.26058
Jordan Gibbons	1.7	Gravel	12	5	30.0		0	0	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/4/2013	41.83353	-73.26056
Jordan Gibbons	2.1	Muck	12	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	3	0	0	0	0	0	0	9/4/2013	41.83361	-73.26050
Jordan Gibbons	2.5	Muck	12	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	9/4/2013	41.83370	-73.26051
Jordan Gibbons	2.6	Muck	12	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	9/4/2013	41.83380	-73.26048
Jordan Gibbons	2.9	Muck	12	9	70.0		0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/4/2013	41.83390	-73.26044
Jordan Gibbons	3.0	Muck	12	10	80.0		0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	9/4/2013	41.83398	-73.26046

Tyler Lake, Goshen

Transect Data

Surveyed by Jordan Gibbons and Samantha Wysocki

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from Shore (m)	Notes	*Ceratophyllum demersum*	*Elodea canadensis*	*Megalodonta beckii*	*Myriophyllum spicatum*	*Najas flexilis*	*Najas guadalupensis*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton gramineus*	*Potamogeton natans*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Sagittaria species*	*Sparganium species*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	Date	Latitude	Longitude
Jordan Gibbons	0.5	Sand	13	1	.5	floating	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/5/2013	41.83223	-73.26157
Jordan Gibbons	0.5	Sand	13	2	5.0		0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	9/5/2013	41.83225	-73.26162
Jordan Gibbons	0.5	Sand	13	3	10.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/5/2013	41.83231	-73.26164
Jordan Gibbons	0.6	Sand	13	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	9/5/2013	41.83237	-73.26183
Jordan Gibbons	0.8	Sand	13	5	30.0		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/5/2013	41.83242	-73.26184
Jordan Gibbons	1.4	Muck	13	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	9/5/2013	41.83246	-73.26200
Jordan Gibbons	1.6	Muck	13	7	50.0		0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	9/5/2013	41.83250	-73.26211
Jordan Gibbons	1.7	Muck	13	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	9/5/2013	41.83256	-73.26213
Jordan Gibbons	1.8	Muck	13	9	70.0		0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	9/5/2013	41.83256	-73.26229
Jordan Gibbons	2.1	Muck	13	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	9/5/2013	41.83267	-73.26237
Jordan Gibbons	0.5	Gravel	14	1	.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	9/5/2013	41.83173	-73.26321
Jordan Gibbons	0.5	Sand	14	2	5.0		0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	1	2	0	0	0	0	2	9/5/2013	41.83176	-73.26319
Jordan Gibbons	0.5	Muck	14	3	10.0		0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	3	0	0	0	0	0	0	9/5/2013	41.83179	-73.26315
Jordan Gibbons	0.8	Muck	14	4	20.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	2	9/5/2013	41.83186	-73.26310
Jordan Gibbons	1.3	Muck	14	5	30.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	9/5/2013	41.83194	-73.26294
Jordan Gibbons	1.3	Muck	14	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	9/5/2013	41.83199	-73.26287
Jordan Gibbons	1.5	Muck	14	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	9/5/2013	41.83206	-73.26278
Jordan Gibbons	1.3	Muck	14	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	9/5/2013	41.83204	-73.26260
Jordan Gibbons	1.4	Muck	14	9	70.0		0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	9/5/2013	41.83208	-73.26250
Jordan Gibbons	1.3	Muck	14	10	80.0		0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	0	0	0	9/5/2013	41.83213	-73.26240

Tyler Lake, Goshen

Transect Data

Surveyed by Jordan Gibbons and Samantha Wysocki

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from Shore (m)	Notes	*Ceratophyllum demersum*	*Elodea canadensis*	*Megalodonta beckii*	*Myriophyllum spicatum*	*Najas flexilis*	*Najas guadalupensis*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton gramineus*	*Potamogeton natans*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Sagittaria species*	*Sparganium species*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	Date	Latitude	Longitude
Jordan Gibbons	0.5	Muck	15	1	.5		1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	9/5/2013	41.83314	-73.26426
Jordan Gibbons	0.6	Sand	15	2	5.0		0	4	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	2	9/5/2013	41.83315	-73.26421
Jordan Gibbons	0.8	Muck	15	3	10.0		1	3	0	1	2	0	0	0	0	4	0	0	3	2	0	3	3	0	0	0	0	2	9/5/2013	41.83318	-73.26414
Jordan Gibbons	1.3	Muck	15	4	20.0		0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	2	0	0	0	0	0	0	9/5/2013	41.83319	-73.26403
Jordan Gibbons	1.7	Muck	15	5	30.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	9/5/2013	41.83327	-73.26391
Jordan Gibbons	2.1	Muck	15	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	1	9/5/2013	41.83327	-73.26382
Jordan Gibbons	2.4	Muck	15	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	9/5/2013	41.83327	-73.26366
Jordan Gibbons	2.4	Muck	15	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	9/5/2013	41.83330	-73.26356
Jordan Gibbons	2.5	Muck	15	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1	0	0	0	0	0	0	9/5/2013	41.83334	-73.26345
Jordan Gibbons	2.6	Muck	15	10	80.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	9/5/2013	41.83334	-73.26331
Jordan Gibbons	0.5	Sand	16	1	.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/5/2013	41.83412	-73.26485
Jordan Gibbons	0.5	Sand	16	2	5.0		0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9/5/2013	41.83413	-73.26478
Jordan Gibbons	1.1	Muck	16	3	10.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	9/5/2013	41.83416	-73.26473
Jordan Gibbons	1.4	Muck	16	4	20.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	9/5/2013	41.83419	-73.26464
Jordan Gibbons	1.9	Muck	16	5	30.0		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	0	0	0	0	0	0	9/5/2013	41.83422	-73.26449
Jordan Gibbons	2.1	Muck	16	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	1	0	0	0	0	0	9/5/2013	41.83429	-73.26439
Jordan Gibbons	2.3	Muck	16	7	50.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	9/5/2013	41.83431	-73.26428
Jordan Gibbons	2.4	Muck	16	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	9/5/2013	41.83432	-73.26415
Jordan Gibbons	2.5	Muck	16	9	70.0		0	0	0	2	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	9/5/2013	41.83432	-73.26406
Jordan Gibbons	2.5	Muck	16	10	80.0		2	1	0	3	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	9/5/2013	41.83437	-73.26392

Tyler Lake, Goshen

Transect Data

Surveyed by Jordan Gibbons and Samantha Wysocki

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from Shore (m)	Notes	*Ceratophyllum demersum*	*Elodea canadensis*	*Megalodonta beckii*	*Myriophyllum spicatum*	*Najas flexilis*	*Najas guadalupensis*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton gramineus*	*Potamogeton natans*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Sagittaria species*	*Sparganium species*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	Date	Latitude	Longitude
Jordan Gibbons	0.5	Gravel	17	1	.5		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9/5/2013	41.83474	-73.26535
Jordan Gibbons	0.6	Sand	17	2	5.0		0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	9/5/2013	41.83477	-73.26530
Jordan Gibbons	1.0	Sand	17	3	10.0		0	0	2	0	0	0	0	0	0	4	0	0	0	0	0	2	0	0	0	0	0	0	9/5/2013	41.83480	-73.26527
Jordan Gibbons	1.5	Muck	17	4	20.0		0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	0	9/5/2013	41.83485	-73.26514
Jordan Gibbons	1.8	Muck	17	5	30.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	0	9/5/2013	41.83488	-73.26506
Jordan Gibbons	2.1	Muck	17	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	9/5/2013	41.83493	-73.26493
Jordan Gibbons	2.2	Muck	17	7	50.0		0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	0	0	0	0	9/5/2013	41.83499	-73.26485
Jordan Gibbons	2.3	Muck	17	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	1	0	0	0	0	0	0	9/5/2013	41.83500	-73.26469
Jordan Gibbons	2.3	Muck	17	9	70.0		0	1	0	2	0	0	0	0	0	0	0	0	2	3	0	1	0	0	0	0	0	0	9/5/2013	41.83501	-73.26457
Jordan Gibbons	2.4	Muck	17	10	80.0		2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	9/5/2013	41.83502	-73.26448
Jordan Gibbons	0.5	Gravel	18	1	.5		0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	9/5/2013	41.83591	-73.26664
Jordan Gibbons	0.5	Sand	18	2	5.0		0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	2	9/5/2013	41.83592	-73.26660
Jordan Gibbons	0.6	Sand	18	3	10.0		0	2	0	0	2	0	0	0	0	0	0	0	2	1	0	2	0	0	0	0	0	3	9/5/2013	41.83597	-73.26654
Jordan Gibbons	1.2	Muck	18	4	20.0		0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	0	9/5/2013	41.83601	-73.26641
Jordan Gibbons	1.4	Muck	18	5	30.0		0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	2	0	0	0	0	0	0	9/5/2013	41.83605	-73.26633
Jordan Gibbons	1.5	Muck	18	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	9/5/2013	41.83607	-73.26623
Jordan Gibbons	1.7	Muck	18	7	50.0		0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	9/5/2013	41.83612	-73.26609
Jordan Gibbons	1.8	Muck	18	8	60.0		0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	9/5/2013	41.83619	-73.26603
Jordan Gibbons	2.0	Muck	18	9	70.0		0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	1	9/5/2013	41.83619	-73.26589
Jordan Gibbons	2.2	Muck	18	10	80.0		2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	9/5/2013	41.83623	-73.26573

Tyler Lake, Goshen

Transect Data

Surveyed by Jordan Gibbons and Samantha Wysocki

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Surveyor	Depth (m)	Substrate	Transect	Point	Distance from Shore (m)	Notes	*Ceratophyllum demersum*	*Elodea canadensis*	*Megalodonta beckii*	*Myriophyllum spicatum*	*Najas flexilis*	*Najas guadalupensis*	*Nuphar variegata*	*Nymphaea odorata*	*Pontederia cordata*	*Potamogeton amplifolius*	*Potamogeton gramineus*	*Potamogeton natans*	*Potamogeton perfoliatus*	*Potamogeton praelongus*	*Potamogeton pusillus*	*Potamogeton robbinsii*	*Potamogeton zosteriformis*	*Sagittaria species*	*Sparganium species*	*Utricularia macrorhiza*	*Utricularia minor*	*Vallisneria americana*	Date	Latitude	Longitude
Jordan Gibbons	0.5	Gravel	19	1	.5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9/3/2013	41.83715	-73.26732
Jordan Gibbons	0.5	Gravel	19	2	5.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	9/3/2013	41.83715	-73.26724
Jordan Gibbons	0.8	Gravel	19	3	10.0		0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2	9/3/2013	41.83716	-73.26720
Jordan Gibbons	0.7	Muck	19	4	20.0		0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3	0	0	0	0	0	3	9/3/2013	41.83716	-73.26707
Jordan Gibbons	1.2	Muck	19	5	30.0		0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	9/3/2013	41.83715	-73.26697
Jordan Gibbons	1.4	Muck	19	6	40.0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	3	9/3/2013	41.83713	-73.26682
Jordan Gibbons	1.5	Muck	19	7	50.0		0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0	0	2	9/3/2013	41.83713	-73.26670
Jordan Gibbons	1.6	Muck	19	8	60.0		0	2	0	0	0	0	0	0	0	0	0	0	3	2	0	1	0	0	0	0	0	0	9/3/2013	41.83713	-73.26658
Jordan Gibbons	1.7	Muck	19	9	70.0		0	2	0	0	0	0	0	0	0	2	0	0	1	2	0	3	0	0	0	0	0	0	9/3/2013	41.83714	-73.26645
Jordan Gibbons	1.7	Muck	19	10	80.0		0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	9/3/2013	41.83718	-73.26633