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Chateaugay Lake Milfoil Monitoring Program: Project Update, Year 2015

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Table 1. Density of Eurasian water milfoil (stems/acre) at each of the study locations, 2008-2015. BTL = NYS Boat Launch, CLN = Chateaugay Lake Narrows, CSI = South Inlet, ILL = Inlet to Lower Lake, SBR = Sand Bar Area.

SITE	YEAR	sample	Month	EWM Stems / acre				Average	SE
				1	2	3	4		
BTL	2008	1	JULY	17351	98228	726		38768	26080
BTL	2009	1	MAY	10019	74705	2759		29161	19805
BTL	2009	2	AUGUST	3122	1815	3049		2662	367
BTL	2010	1	MAY	3703	3485	4138		3775	166
BTL	2010	2	AUGUST	2904	3412	3703		3340	202
BTL	2011	1	MAY	0	799	944		581	254
BTL	2011	2	AUGUST	944	2323	799		1355	421
BTL	2012	1	MAY	581	1670	1815		1355	337
BTL	2012	2	AUGUST	1960	5155	2468		3194	858
BTL	2013	1	MAY	508	1379	2468		1452	491
BTL	2013	2	AUGUST	1162		10309		5735	2156
BTL	2014	1	MAY	435.6	508.2	3702.6		1549	933
BTL	2014	2	AUGUST	653.4	871.2	6897		2807	1772
BTL	2015	1	MAY	1524.6	871.2	2250.6		1549	399
BTL	2015	2	AUGUST	2105.4	1234.2	8421.6		3920	2267
CLN	2010	1	MAY	29040	2178	24103	15101	17606	3931
CLN	2010	2	AUGUST	36590	2323	5881	9148	13485	5218
CLN	2011	1	MAY	8785	1307	10091	4283	6117	1353
CLN	2011	2	AUGUST	24539	581	7478	2251	8712	3651
CLN	2012	1	MAY	7986	3122	5735	4283	5282	699
CLN	2012	2	AUGUST	1452	1016	12850	5300	5155	1827
CLN	2013	1	MAY	8204	1089	4283	5155	4683	976
CLN	2013	2	AUGUST	436	2033	10527	6389	4846	1137
CLN	2014	1	MAY	363	0	6171	5445	2995	1633
CLN	2014	2	AUGUST	508.2	2250.6	9220.2	25337.4	9329	5658
CLN	2015	1	MAY	580.8	145.2	3557.4	5445	2432	1258
CLN	2015	2	AUGUST	2468.4	1161.6	0	3121.8	1688	695
CSI	2009	2	AUGUST	16480	5227	4719	0	6607	4937
CSI	2010	1	MAY	3267	3340	2178	0	2196	1107
CSI	2010	2	AUGUST	3630	10745	12052	0	6607	4792
CSI	2011	1	MAY	2614	1888	1089	0	1398	853
CSI	2011	2	AUGUST	4719	10527	11979	73	6824	1829
CSI	2012	1	MAY	145	436	73	0	163	64
CSI	2012	2	AUGUST	1162	1597	1815	0	1143	270
CSI	2013	1	MAY	363	290	145		266	55
CSI	2013	2	AUGUST	726	871	726	73	599	28
CSI	2014	1	MAY	0	145.2	217.8	0	91	54
CSI	2014	2	AUGUST	0	1306.8	1161.6	0	617	358
CSI	2015	1	MAY	0	217.8	217.8	0	109	63
CSI	2015	2	AUGUST	0	1597.2	1234.2	0	708	415
ILL	2009	1	MAY	7550	5808	15827	18513	11925	2065
ILL	2009	2	AUGUST	31218	20110	11761	24539	21907	2720
ILL	2010	1	MAY	20546	14230	2105	41164	19511	5446
ILL	2010	2	AUGUST	14956	0	27878	22651	16371	4045
ILL	2011	1	MAY	11543	10164	1670	26354	12433	3419
ILL	2011	2	AUGUST	16117	20836	27806	21925	21671	1601

SITE	YEAR	sample	Month	1	2	3	4	Average	SE
ILL	2012	1	MAY	2541	6824	2904	1234	3376	803
ILL	2012	2	AUGUST	10382	14593	9583	4792	9837	1339
ILL	2013	1	MAY	2686	6244	2178	1307	3104	723
ILL	2013	2	AUGUST	9728	12850	6897	6026	8875	771
ILL	2014	1	MAY	2105.4	3412.2	1161.6	1016.4	1924	552
ILL	2014	2	AUGUST	6969.6	10018.8	8131.2	10817.4	8984	876
ILL	2015	1	MAY	2323.2	3630	653.4	1815	2105	617
ILL	2015	2	AUGUST	7405.2	9075	4864.2	9946	7823	1118
SBR	2009	1	MAY	23885	54523	37171	31799	36845	4329
SBR	2009	2	AUGUST	10309	12995	6389	12052	10436	973
SBR	2010	1	MAY	13213	24466	3267	14375	13830	2889
SBR	2010	2	AUGUST	26935	12124	13358	11906	16081	2421
SBR	2011	1	MAY	3630	4211	1960	944	2686	501
SBR	2011	2	AUGUST	16045	6897	7841	12778	10890	1432
SBR	2012	1	MAY	22361	3557	7187	7333	10110	2784
SBR	2012	2	AUGUST	33396	11906	15464	16117	19221	3210
SBR	2013	1	MAY	21707	4937	8930	2831	9601	4229
SBR	2013	2	AUGUST	4211	14375	0	6244	6207	2463
SBR	2014	1	MAY	3121.8	2468.4	5082	3557.4	3557	555
SBR	2014	2	AUGUST	2468.4	5154.6	6025.8	7913.4	5391	1131
SBR	2015	1	MAY	2105.4	2032.8	2831.4	4936.8	2977	678
SBR	2015	2	AUGUST	3847.8	3775.2	3484.8	7260	4592	893

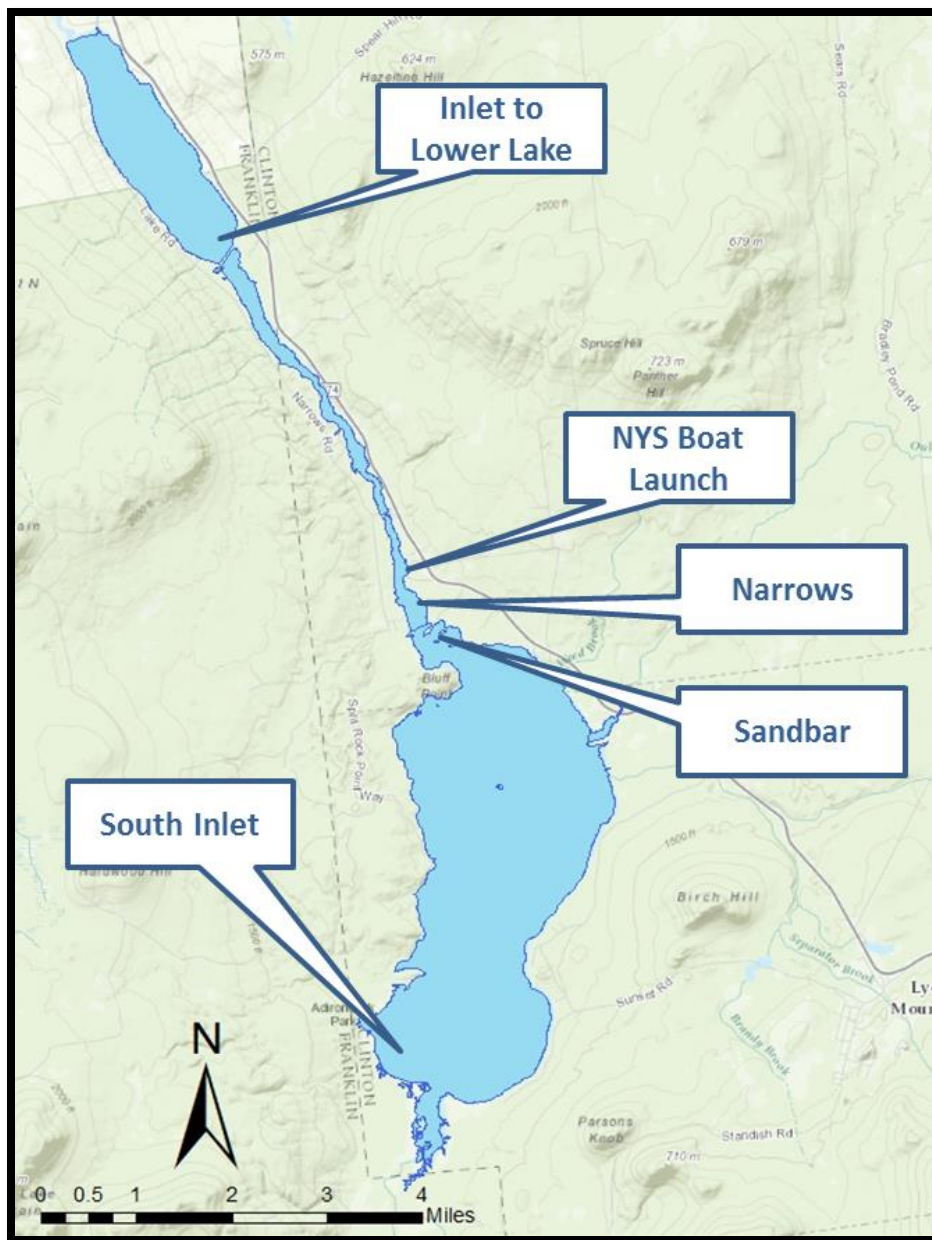


Figure 1. Study Locations on the Chateaugay Lakes, NY.

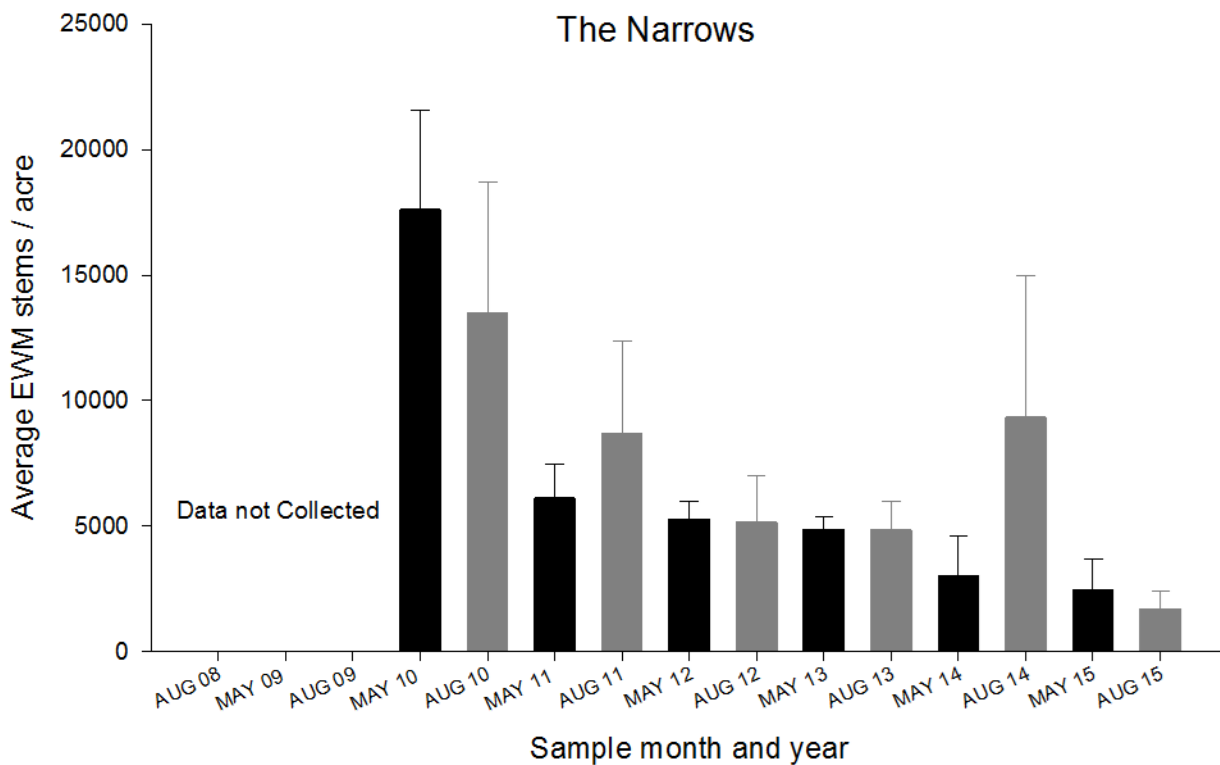


Figure 2 Average Eurasian water-milfoil density at the Narrows site during May (black bars) and August (grey bars), 2008-2015. Error bars represent standard error of the mean (n = 4 transects).

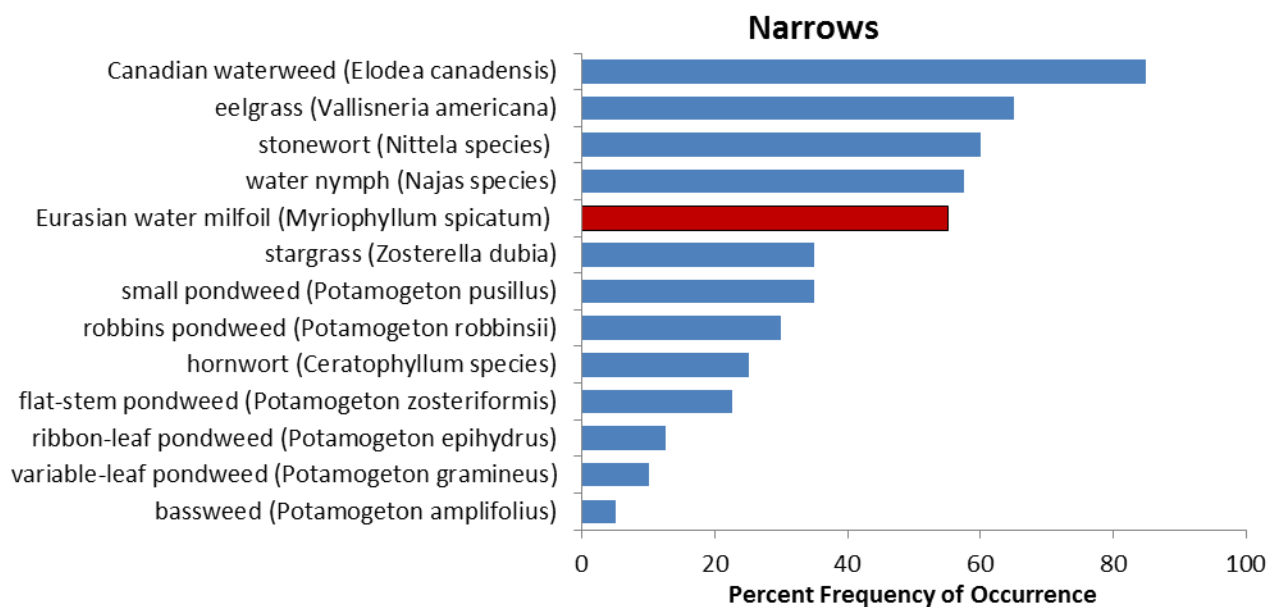


Figure 3. Percent frequency of occurrence of aquatic plant species on the study segments at the Chateaugay Lake Narrows, August 2015.

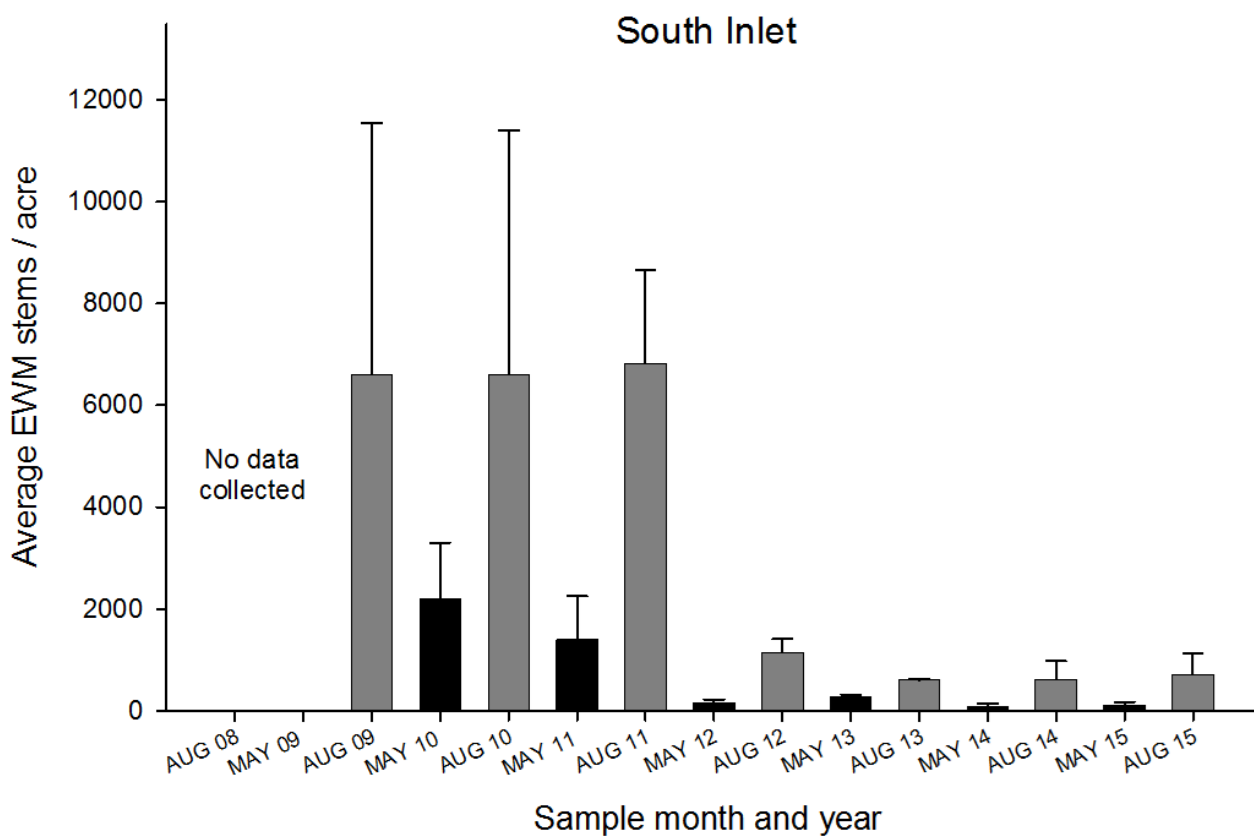


Figure 4. Average Eurasian water-milfoil density at the South Inlet site during May (black bars) and August (grey bars), 2008-2015. Error bars represent standard error of the mean (n = 4 transects).

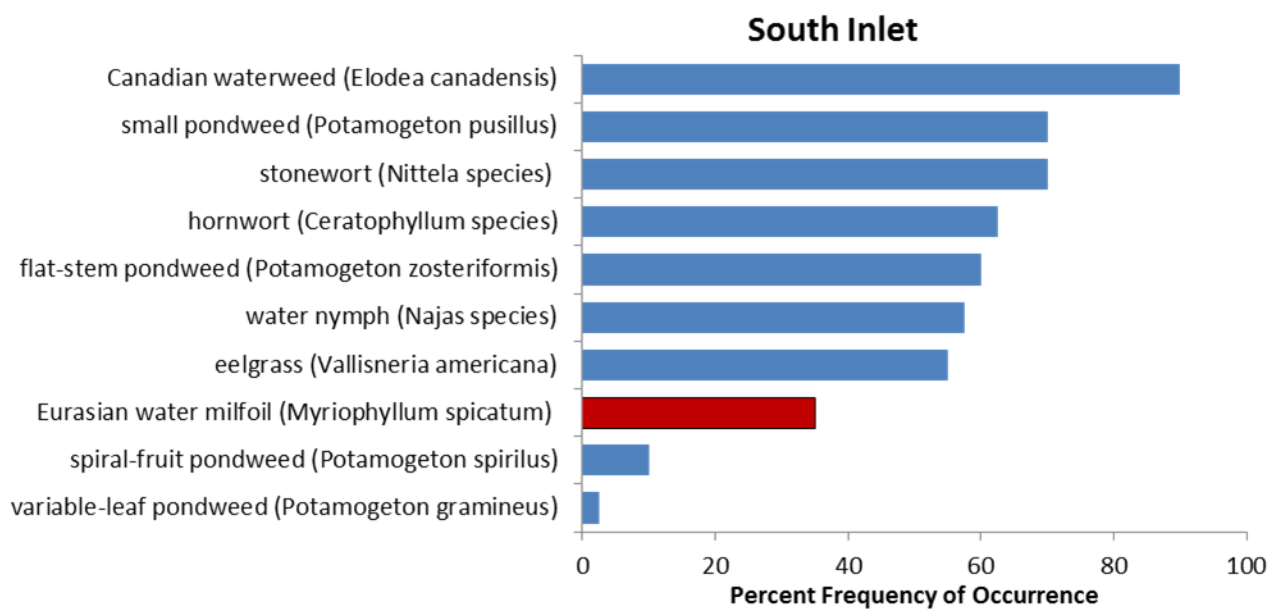


Figure 5. Percent frequency of occurrence of aquatic plant species on the study segments at the South Inlet, August 2015.

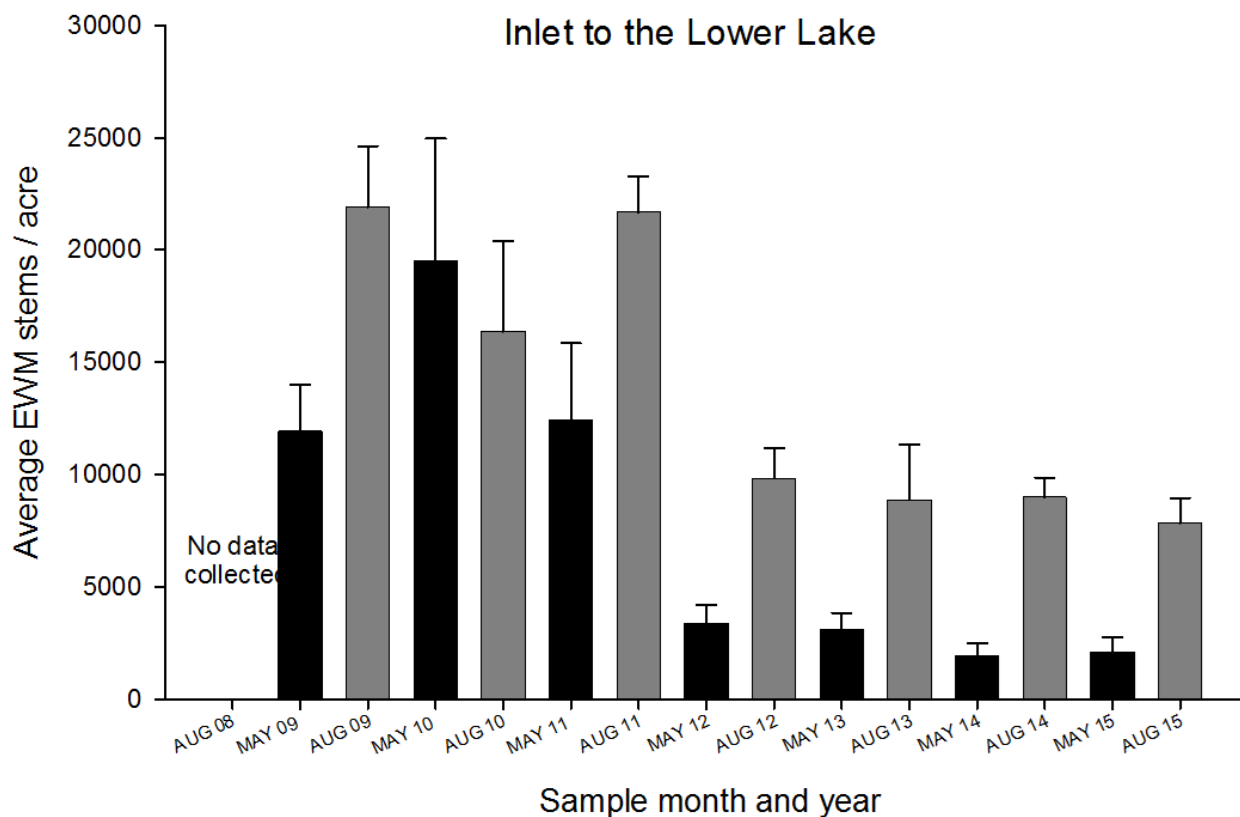


Figure 6. Average Eurasian water-milfoil density at the Lower Lake Inlet site during May (black bars) and August (grey bars), 2008-2015. Error bars represent standard error of the mean (n = 4 transects).

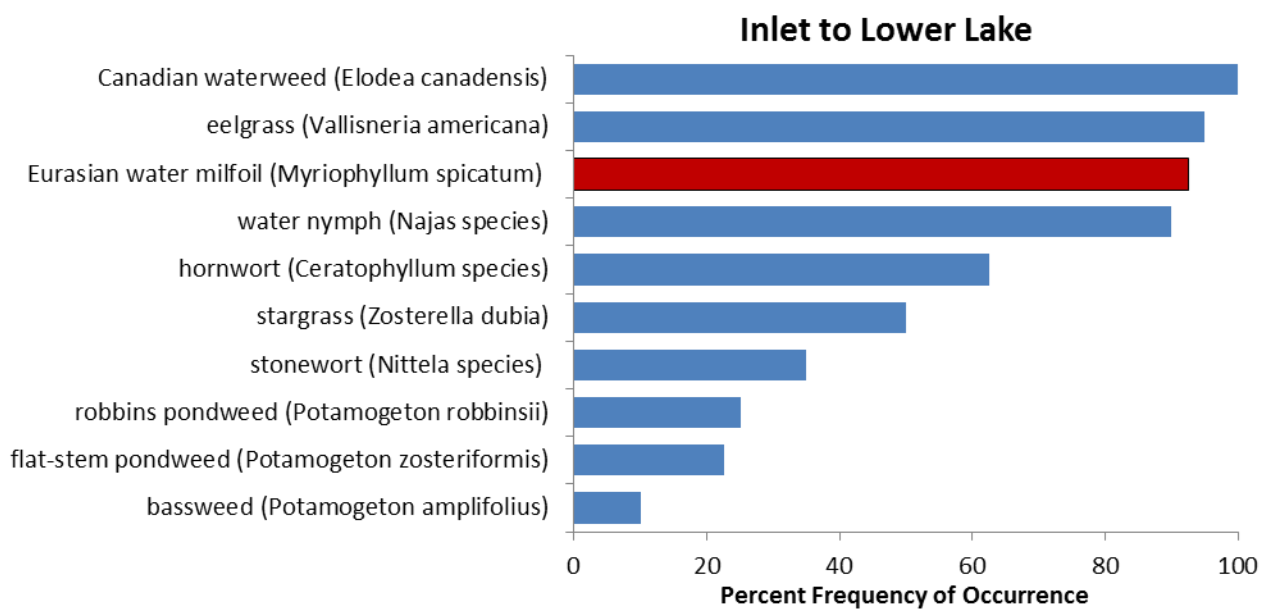


Figure 7. Percent frequency of occurrence of aquatic plant species on the study segments at the Lower Lake location, August 2015.

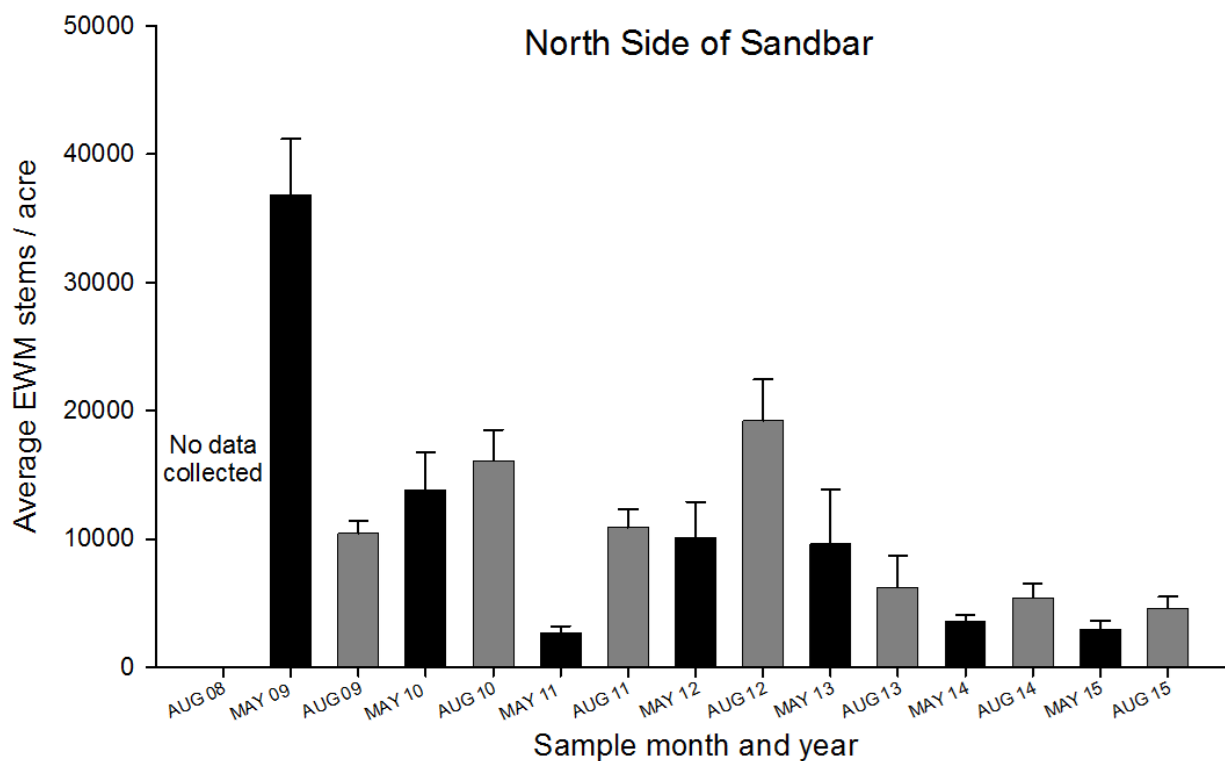


Figure 8. Average Eurasian water-milfoil density at the Sand Bar site during May (black bars) and August (grey bars), 2008-2015. Error bars represent standard error of the mean ($n = 4$ transects).

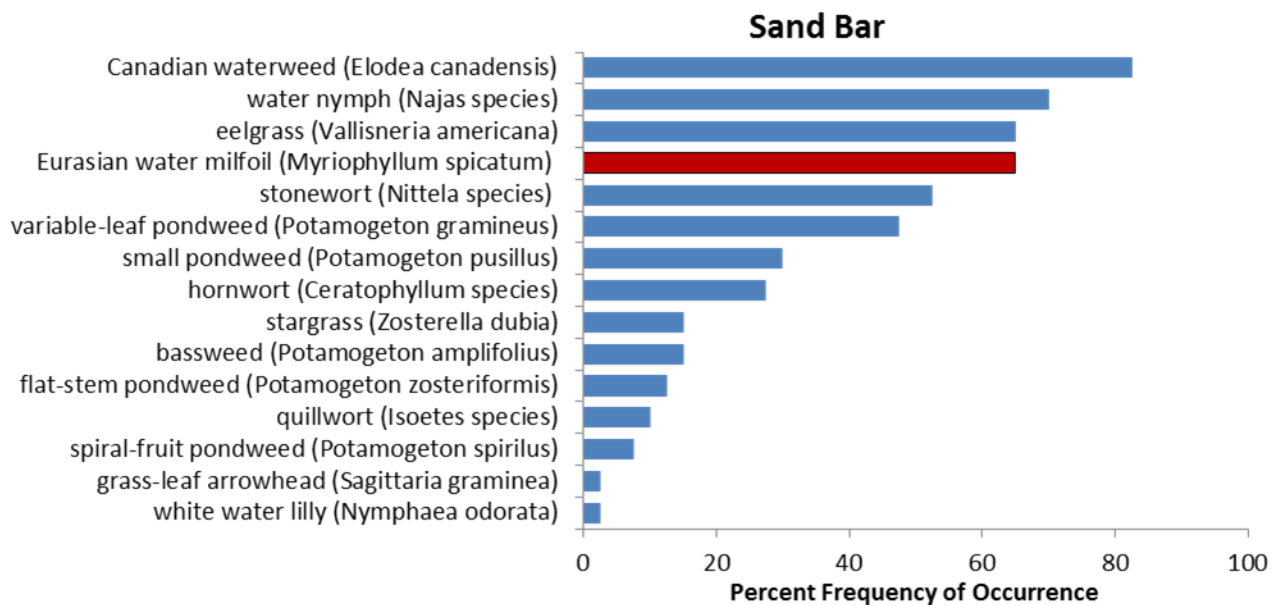


Figure 9. Percent frequency of occurrence of aquatic plant species on the study segments at the Sand Bar location, August 2015.

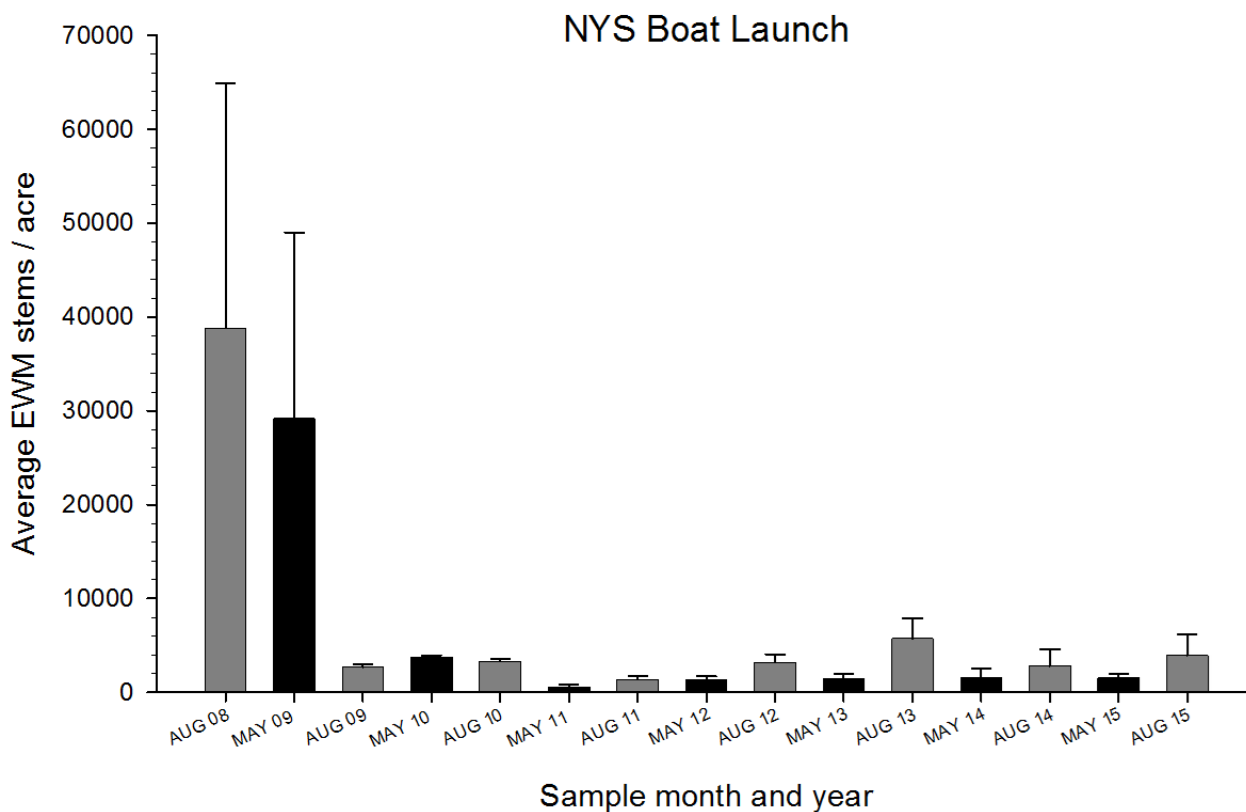


Figure 10. Average Eurasian water-milfoil density at the NYS Boat Launch during May (black bars) and August (grey bars), 2008-2015. Error bars represent standard error of the mean (n = 4 transects).

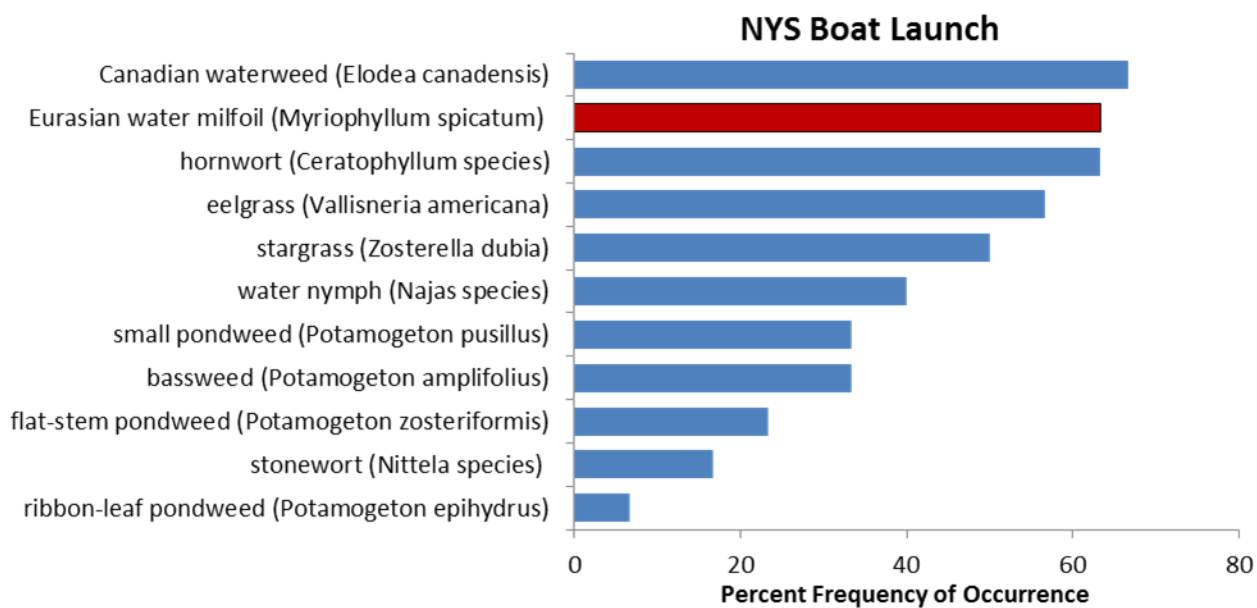


Figure 11. Percent frequency of occurrence of aquatic plant species on the study segments at the NYS Boat Launch location, August 2015.