Monitoring Report

Invasive Aquatic Plants

Candlewood Lake
Squantz Pond
Lake Zoar
Lake Lillinonah

2016

Gregory J. Bugbee

Jennifer M. Fanzutti

February 28, 2017

Invasive Aquatic Plant Program
Department of Environmental Sciences
The Connecticut Agricultural
Experiment Station
123 Huntington Street
New Haven, CT 06511

www.ct.gov/caes/iapp

CAES
The Connecticut Agricultural Experiment Station
Putting Science to Work for Society since 1875

The Connecticut Agricultural Experiment Station was founded in 1875. It is chartered by the General Assembly to make scientific inquiries and conduct experiments regarding plants and their pests, insects, soil and water, and to perform analyses for state agencies. Station laboratories are in New Haven and Windsor, and research farms in Hamden and Griswold.

The Connecticut Agricultural Experiment Station prohibits discrimination on the basis of race, color, ancestry, national origin, sex, religious creed, age, political beliefs, sexual orientation, criminal conviction record, genetic information, learning disability, marital or family status, or present or past history of mental disorder, mental retardation or physical disability, including but not limited to blindness. To file a complaint of discrimination, write: Director, The Connecticut Agricultural Experiment Station, P.O. Box 1106, New Haven CT 06504, or call (203) 974-8440. The experiment station is an equal opportunity provider and employer. People with disabilities who require alternate means of communication should contact the Chief of Services at (203) 974-8442 (voice); (203) 974-8502 (fax); or Michael.Last@ct.gov.

Table of Contents

1. Introduction 4

2. Objectives 6

3. Materials and Methods 7

4. Results and Discussion 9

A) Candlewood Lake 9

1) 2016 Drawdown 16

2) Grass carp introduction 18

B) Squantz Pond 29

C) Lake Zoar 37

D) Lake Lillinonah 51

5. Comparisons of Water Chemistry 55

6. Conclusions/Executive Summary 59

7. Acknowledgements 51

8. References 62

9. Appendix 64

A) Timeline 65

B) Invasive Plant Descriptions 66

C) Metadata 72

D) Invasive Aquatic Plant Location Data 79

1) Candlewood Lake 80

a) Dense Eurasian watermilfoil location data 92

2) Squantz Pond 119

3) Lake Lillinonah 122

E) Transect Data ***..... 128***

1) Candlewood Lake 129

2) Squantz Pond 131

3) Lake Zoar 133

3) Lake Lillinonah 135

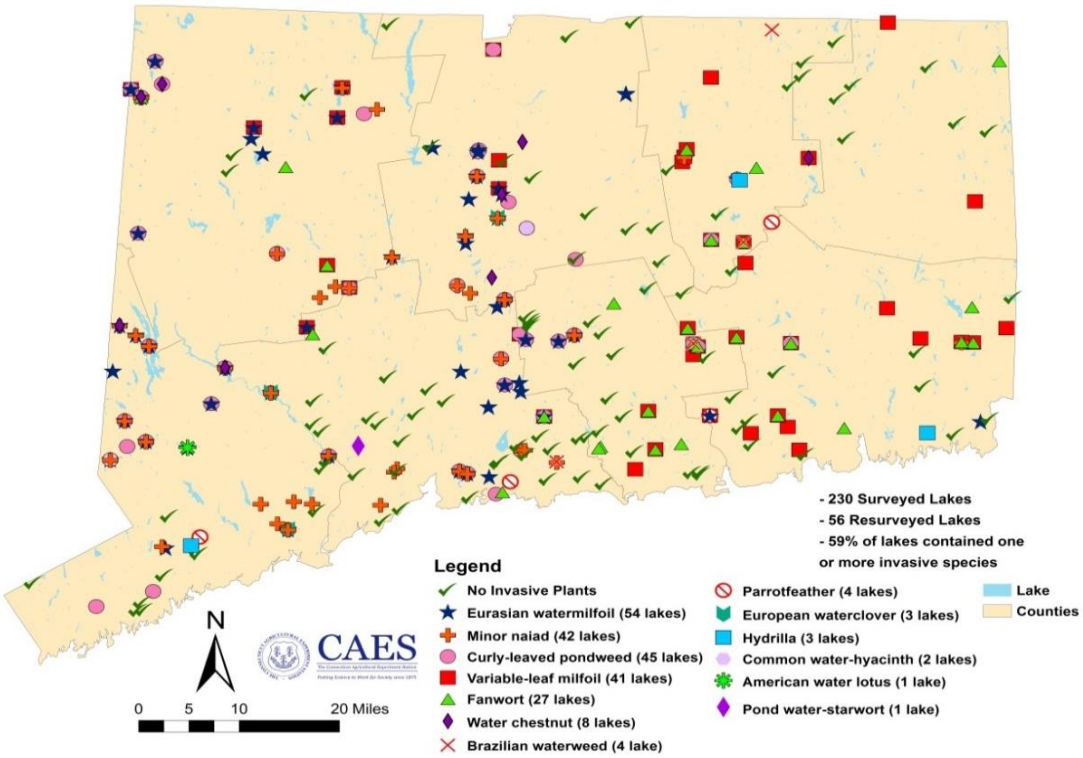


Figure 1. Locations of invasive aquatic plants found by CAES IAPP from 2004 to 2016.

Introduction

Lakes Candlewood, Lillinonah, Zoar and Squantz Pond offer diverse freshwater ecosystems and exceptional opportunities for fishing, boating and other outdoor activities. These impoundments are also the source of Connecticut's largest supply of renewable energy via hydroelectric generating facilities owned and operated by FirstLight Power Resources (FLPR). Invasive aquatic plants have become established in the lakes and have few natural enemies to control their growth (Wilcove et al. 1998, Pimintel et al. 2000). They degrade native aquatic ecosystems (Barrett 1989, Les and Mehrhoff 1999), impede recreation, and reduce home values (Connecticut Aquatic Nuisance Species Working Group 2006, Fishman et al. 1998). Once invasive plants are established, long term and costly management programs are often necessary. The Federal Energy Regulatory Commission (FERC) Article 409 requires FLPR to provide invasive aquatic plant monitoring of Lakes Candlewood, Lillinonah and Zoar (Northeast Generating Company 2005). In 2015, FLP decide to also include the monitoring of nearby Squantz Pond.

Statewide surveys by The Connecticut Agricultural Experiment Station's (CAES) Invasive Aquatic Plant Program (IAPP) have found 14 invasive aquatic plant species inhabit nearly 60 percent of Connecticut's lakes and ponds (Figure 1) (Bugbee et al. 2012, CAES IAPP 2017). In lakes Candlewood, Lillinonah, Zoar and Squantz Pond, Eurasian watermilfoil (*Myriophyllum spicatum*) has been the most common invasive plant and also creates the greatest nuisance. This plant has been present in Candlewood Lake since at least the early 1980's (Siver et al. 1986) when it was probably in Lakes Lillinonah, Zoar and Squantz Pond as well.

CAES IAPP has studied the aquatic plants in lakes Candlewood, Lillinonah and Zoar since 2005 and Squantz Pond since 2011. The plant communities in the waterbodies are generally similar probably because of their proximity to one another and their similar water chemistries (CAES IAPP 2017, Bugbee and Fanzutti 2016). A total of 18 plant species occur in the lakes with Eurasian watermilfoil, minor naiad (*Najas minor*), curlyleaf pondweed (*Potamogeton crispus*), European waterclover *(Marsilea quadrifolia*), and water chestnut (*Trapa natans*) being invasive. Water chestnut is found only in Lake Lillinonah and European waterclover is found only in Lake Zoar. Eurasian watermilfoil typically covers the largest area in the water bodies followed by minor naiad and curlyleaf pondweed. Curlyleaf pondweed may be underestimated prior to the commencement of spring 2012 surveys because it naturally dies back before the previous summer-only surveys (Catling and Dobson 1985). Differences in the way invasive plants are managed and differences in the closed impoundment nature of Candlewood Lake and Squantz Pond versus the riverine systems of Lakes Lillinonah and Zoar likely result in any dissimilarities in plant populations from year to year. Squantz Pond is connected to Candlewood Lake via flow under the Route 39 causeway and therefore would be likely to have a similar aquatic ecosystem.

Winter drawdown and occasional harvesting are used to manage Eurasian watermilfoil in Candlewood Lake (Bugbee and Fanzutti 2016, Tarsi 2006) and Squantz Pond. Deep winter drawdowns (3 m) with early onset and long exposure times have proven most effective. In 2008 and 2010, milfoil weevils (*Euhrychiopsis lecontei*) were introduced into Candlewood Lake to control Eurasian watermilfoil without success.

Figure 2. 2015 release of grass carp into Candlewood Lake (left). Herbicide treatment to Lake Zoar (right) (photo courtesy of Solitude Lake Management Inc.).

In 2015, nearly 4000 12 - 15 inch grass carp (*Ctenopharyngodon idella*) were introduced into Lake Candlewood (Figure 2, left). As expected, their efficacy in 2015 was minimal because of their small size (Bugbee and Fanzutti 2016). As they begin to grow, however, their plant consumption will increase and their effects may be more noticeable. Based on a 15 fish per vegetated acre desired stocking rate (CTDEEP) and over 500 acres watermilfoil needed to be controlled, additional grass carp will likely be necessary. Invasive vegetation is presently being managed in Lake Zoar herbicides (Figure 2, right). In Lake Lillinonah, hand harvesting of water chestnut is currently practiced and herbicide applications are being considered. Passive control, in both Lillinonah and Zoar, may be occurring from occasional low water levels, storm events that cause intense flow rates and increasing populations of zebra mussels (*Dreissena polymorpha*).

The following report represents the tenth year of CAES IAPP surveillance and mapping of invasive aquatic plants in Lakes Candlewood, Lillinonah, and Zoar and the third year in Squantz Pond. The report fulfills the requirements of FERC Article 409.

Objectives

- Survey and map invasive aquatic plants in Lakes Candlewood, Lillinonah, Zoar and Squantz Pond to fulfill the FERC nuisance plant monitoring requirement in Article 409.
- Document yearly changes in the plant community and relate to management activities.
- Provide the science necessary to better manage invasive aquatic vegetation, enhance native species, provide overall protection of the water bodies, and assure continuance of hydroelectric power generation.

Materials and Methods

Our 2016 aquatic vegetation surveys utilized methods established by CAES IAPP. These methods have provided a consistent record throughout the years. We recorded locations of all invasive plants with Trimble GeoXT® or ProXT® global positioning systems (GPS) with sub-meter accuracy. In 2014, we added a Lowrance HDS® sonar system, with structure scan technology, to determine patches near the bottom and to eliminate the need for time-consuming grapple tosses. We circumnavigated the plant patches to form georeferenced polygons. Patches covering less than one square meter were recorded as a point and assigned an area of 0.0002 acres (1 m^2). We measured depth with a rake handle, drop line or digital depth finder and sediment type was estimated. Plant samples were obtained in shallow water with a rake and in deeper water with a grapple. We measured plant abundance using a visual scale of 1 to 5 (1 = single stem; 2 = few stems; 3 = common; 4 = abundant; 5 = extremely abundant). In Candlewood Lake, we recorded each area where Eurasian watermilfoil was at the surface and flowering with a point feature. When field identifications of plants were questionable, we brought samples back to the lab for review using the taxonomy of Crow and Hellquist (2000*a*, 2000*b*). We post-processed the GPS data in Pathfinder® 5.85 (Trimble Navigation Limited, Sunnyvale, CA) and then imported it into ArcGIS® 10.4.1 (ESRI, Redlands, CA), where it was geo-corrected. Data were then overlaid onto 2010 United States Department of Agriculture - National Agricultural Inventory Program aerial imagery with 1 m resolution.

We collected occurrence and abundance plant information from ten transects in Lakes Candlewood, Lillinonah, and Zoar and five transects in Squantz Pond. Transect points were positioned 0.5, 5, 10, 20, 30, 40, 50, 60, 70 and 80 m perpendicular from the shore. In Candlewood Lake these transects were a subset of the 105 laid out in 2005 (Bugbee et al. 2008) and contained at least one occurrence of each native and invasive plant species. In Lake Zoar, previously established transects were used, but not all species in the earlier surveys were present. In Lake Lillinonah, we decreased the number of transects from the 16 we surveyed in 2009 (Bugbee and Balfour 2010) to 10. In Squantz Pond, we decreased the number of transects from the 14 laid out in 2011 (CAES IAPP 2017) to five and renamed them 1 – 5. We selected transects formerly numbered 1, 5, 8, 9, and 11 because they best depicted the diversity in the lake.

Significant differences in the frequency of occurrence of plant species between years along transects were determined using analysis of variance (ANOVA) followed by Tukey's post-hoc test ($p < 0.05$). Significant differences in species richness per transect point were determined by ± one standard error of the mean (SEM). We surveyed Candlewood Lake for curlyleaf pondweed from June 14 - 20 and all invasive plants from August 4 - 25. This was the third consecutive year we performed the spring curlyleaf pondweed survey to provide more thorough documentation of this plant prior to its summer senescence. When summertime curlyleaf patches overlapped spring patches, we only reported the spring data. The Candlewood Lake transect data were obtained on September 2 and 3 and the water samples were obtained on August 27 and 30. We surveyed Lake Zoar for curlyleaf pondweed from May 27 – June 9 and all invasive plants from August 5 - 18. We obtained transect data on Lake Zoar on August 23 and 24 and obtained water samples on August 25. We surveyed Squantz Pond for curlyleaf pondweed on May 26 and for all invasive plant species from July 27 – August 2. We surveyed the Squantz Pond transects on August 2 and 4 and took water samples on August 4. Lake Lillinonah transects were surveyed on August 31 and September 2 and water samples were taken on August 25. Detailed information regarding our "on-lake" time is located in the Appendix (Page 65). We used a Secchi disk to measure transparency. Because water clarity can affect our ability to see vegetation, we also performed Secchi measurements most days we performed surveillance. We used an YSI® 58 meter (YSI Inc. Yellow Springs, Ohio) to measure water temperature and dissolved oxygen. Measurements occurred in the same deep areas of each lake as previous surveys at 0.5 m and at 1 m depth intervals until we reached the bottom. We collected water samples from 0.5 m below the surface and 0.5 m from the bottom.

Grass carp are known to feed from the top of aquatic vegetation downward (Pipalova 2006). Their effects, therefore, are likely to be first noticed by a reduction in surface vegetation. We mapped the locations of Eurasian watermilfoil patches that reached the surface (abundance = 5), within patches of lesser abundance(abundance < 5), with separate point features (Figure 10). When combined with patches with an abundance of five, these data are expected to give quantitative year to year comparisons of the efficacy of the grass carp.

Table 1. Yearly frequency of occurrence of aquatic plants on transects and total area of invasive species in Candlewood Lake.

		Frequency of Occurrence (percent *)										Area (acres)									
Scientific Name	**Common Name**	**2005**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**
Callitriche sp.	Water starwort	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ND**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ceratophyllum demersum	Coontail	3.1	33.3	11.3	22.7	29.9	22.7	21.7	22.0	27.0	34.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Elatine sp.	Waterwort	0.0	1.0	3.1	2.1	0.0	4.1	0.0	1.0	2.0	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Eleocharis sp.	Spikerush	0.0	0.0	3.1	1.0	1.0	3.1	0.0	1.0	3.0	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Elodea nuttallii	Waterweed	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lemna minor	Duckweed	2.1	6.3	1.0	4.1	7.2	4.1	0.0	3.0	0.0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Myriophyllum spicatum	**Eurasian watermilfoil**	**51.0**	**79.2**	**64.9**	**70.1**	**78.4**	**79.4**	**42.3**	**76.0**	**68.0**	**77.0**	**221**	**451**	**373**	**461**	**331**	**505**	**259**	**477**	**441**	**506**
Najas flexilis	Nodding waternymph	7.3	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Najas minor	**Minor naiad**	**12.5**	**6.3**	**8.2**	**11.3**	**15.5**	**12.4**	**19.6**	**24.0**	**16.0**	**10.0**	**12**	**11**	**26**	**21**	**19**	**32**	**24**	**19**	**72**	**54**
Nymphaea odorata	White water lily	1.0	1.0	0.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potamogeton bicupulatus	Snailseed pondweed	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potamogeton crispus	**Curlyleaf pondweed**	**13.5**	**1.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**<1**	**<1**	**1**	**1**	**<1**	**0**	**0**	**4**	**<1**	**<1**
Potamogeton foliosus	Leafy pondweed	3.1	0.0	0.0	0.0	2.1	1.0	5.2	1.0	0.0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potamogeton gramineus	Variable leaf pondweed	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potamogeton perfoliatus	Clasping leaf pondweed	1.0	2.1	1.0	0.0	0.0	2.1	0.0	1.0	1.0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potamogeton pusillus	Small Pondweed	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Spirodela polyrhiza	Great duckweed	1.0	0.0	0.0	1.0	5.2	0.0	0.0	0.0	1.0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Stuckenia pectinata	Sago pondweed	6.3	1.0	0.0	4.1	0.0	3.1	2.1	2.0	1.0	11.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vallisneria americana	Eel grass	2.1	2.1	4.1	4.1	3.1	4.0	4.1	6.0	4.0	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Wolffia sp.	Spotless watermeal	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zannichellia palustrus	Horned pondweed	11.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Invasive Species Richness		**3**	**3**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**										
Total Native Species Richness		14.0	11.0	7.0	8.0	8.0	10.0	5.0	9.0	8.0	6.0										
Total Species Richness		17.0	14.0	9.0	10.0	10.0	12.0	7.0	11.0	10.0	8.0										

Invasive plant

* Percent occurrence on 97 points in 10 transects

**Not determined

Shaded columns indicate deep drawdown years

Results and Discussion

Candlewood Lake

Our 2016 invasive aquatic plant survey of Candlewood Lake found eight plant species (Table 1) comprised of six natives and two invasives. A total of only eight plant species in a large lake is very low for Connecticut with many lakes having over 30 species (CAES IAPP 2017). Eurasian watermilfoil and minor naiad comprised the invasive species and these are the same as found in previous years. Eurasian watermilfoil continued to be the most prevalent invasive aquatic plant covering 506 acres (Table 1, Figure 3). This was the greatest coverage of any year but only surpassed the shallow drawdown year of 2012 by one acre. Minor naiad covered 54 acres and showed a reduction from the 72 acres found in 2015 where it was more than double any previous year. Curlyleaf pondweed continued to be scarce with only sporadic points with low abundance. There were 526 patches of Eurasian watermilfoil in 2016 ranking the year second only to 2012 when 637 patches were present (Table 2). Patch number can decrease when small patches coalesce into large patches. The 2016 largest patches of Eurasian watermilfoil were 67 acres in and around Echo Bay and Brookfield Bay (Maps 6 and 8, pages 25 and 27), 47 acres in Danbury Cove (Map 9, Page 28) and 20 acres in and around Great

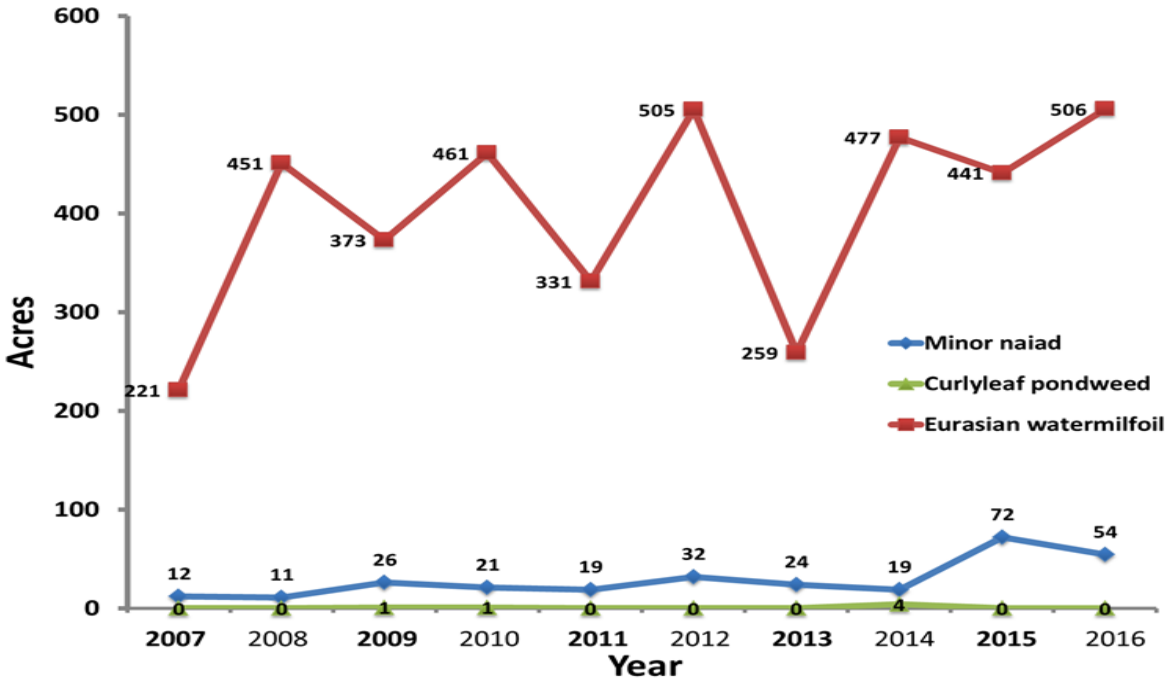


Figure 3. Yearly changes in in the acreage of invasive aquatic plants in Lake Candlewood (deep drawdown years in bold).

Table 2. Yearly comparisons of the number and size of invasive species patches in Candlewood Lake.

	Patch Size (acres)											
	Eurasian watermilfoil				Minor naiad				Curlyleaf pondweed			
Year	Number	(min)	(max)	(mean)	Number	(min)	(max)	(mean)	Number	(min)	(max)	(mean)
2016	526	0.0002	67.4	1.0	77	0.0002	6.5	0.7	36	0.0002	0.4	0.03
2015	413	0.0002	21.3	1.1	125	0.0002	12.3	0.6	1	0.04	0.04	0.04
2014	485	0.0002	46.5	1.0	137	0.0002	1.9	0.1	41	0.0002	3.4	0.1
2013	432	0.0002	14.9	0.6	79	0.0002	2.7	0.3	0	0	0	0
2012	637	0.0002	29.8	0.8	83	0.0002	4.0	0.4	0	0	0	0
2011	485	0.0002	13.5	0.7	46	0.0002	4.4	0.4	1	0.0002	0.0002	0.0002
2010	324	0.0002	35.6	1.6	47	0.0170	6.6	0.4	1	1.0	1.0	1.0
2009	489	0.0002	39.6	0.8	50	0.0002	7.9	0.5	1	0.7	0.7	0.7
2008	469	0.0002	28.1	1.0	26	0.0006	5.5	0.4	5	0.0002	0.1	0.0
2007	489	0.0002	24.9	0.4	31	0.0003	5.0	0.4	1	0.1	0.1	0.1

Table 3. Yearly comparisons of the abundance of invasive species in Candlewood Lake.

	Patch Abundance (1 = sparse - 5 = dense)								
	Eurasian watermilfoil			Minor naiad			Curlyleaf pondweed		
Year	(min)	(max)	(mean)	(min)	(max)	(mean)	(min)	(max)	(mean)
2016	2	5	3.0	2	4	2.3	1	5	3.0
2015	1	5	3.2	1	4	3.2	2	2	2.0
2014	1	5	3.1	1	4	2.1	1	5	2.9
2013	1	5	2.4	1	4	2.4	0	0	0.0
2012	1	5	3.1	2	5	2.6	0	0	0.0
2011	1	5	2.3	1	4	2.1	2	2	2.0
2010	1	5	3.3	2	3	2.1	1	1	1.0
2009	1	5	2.1	1	4	1.9	1	1	1.0
2008	1	5	3.0	2	4	1.5	1	1	1.0
2007	1	5	2.9	1	4	2.1	2	2	2.0

*Shaded rows indicate deep drawdown years

Neck (Map 3, page 22). The mean abundance of Eurasian watermilfoil patches in Candlewood Lake (Table 3) was 3.0 in 2016 making the year similar to all previous years (range 2.3 – 2.9) except the deep drawdown years of 2009, 2011 and 2013 (range 2.1 – 2.4). We found 77 minor naiad patches in 2016 which was considerably less than the 125 in 2015 and the 137 in 2014 but similar to the other survey years (range 26 - 83). Expansion the taller and more robust of Eurasian water milfoil patches in areas of minor naiad may be the cause of the reduction its reduction. Mean minor naiad patch size, however, increased to 0.7 acres (largest of any year) with the largest patch west of Great Neck (Map 3, page 22) encompassing 6.5 acres (largest found to date was 12.5 acres found here in 2015). The 2016 mean patch abundance of minor naiad was 2.3 - down from the all-time high of 3.2 in 2015 (Table 3). Minor naiad is likely less affected by drawdown than Eurasian watermilfoil because it propagates from potentially drawdown resistant seeds. Curlyleaf pondweed was extremely sparse and found mainly on scattered points.

Depth preferences of invasive species in Candlewood Lake may change from year to year because of drawdowns, fluctuating water levels, natural variation and grass carp feeding. In 2016, we found most Eurasian watermilfoil in patches (405 acres) at the 1 - 4 m depth (Figure 4). These are the depths least affected by shallow winter drawdowns. At a depth of 0 - 2 m we found 68 acres of Eurasian watermilfoil indicating some regrowth into areas of sediment exposed to the drawdown. Eurasian watermilfoil was more abundant at depths of 1 - 4 m (area weighted mean = 3.9) than at 0 - 2 m (area weighted mean = 2.6). This is likely due to the shallow 2015 winter drawdown and the cumulative effects of the past drawdowns. Water clarity and associated light restriction at depths of greater than 4 m is likely the cause for Eurasian watermilfoil to be absent at 5 m and beyond. As in past years, minor naiad and curlyleaf pondweed were primarily limited to depths of 0 - 2 m.

In 2016, the frequency of occurrence (FO) of Eurasian watermilfoil on transects was 77% (Table 1, Figure 5). This was similar to all previous years except statistically greater ($p \leq 0.05$) than the deep drawdown years of 2013 (42%) and 2005 (51%). The 2016 frequency of occurrence of minor naiad was 10% which was statistically similar ($p \leq 0.05$) to all previous years (range 6% - 24%). We did not find curlyleaf pondweed on transects in 2016. The mean invasive species richness (number of plant species) per transect point was 0.9 in 2016 (Figure 6) and was only statistically different (± one SEM) from 2013 (0.6).

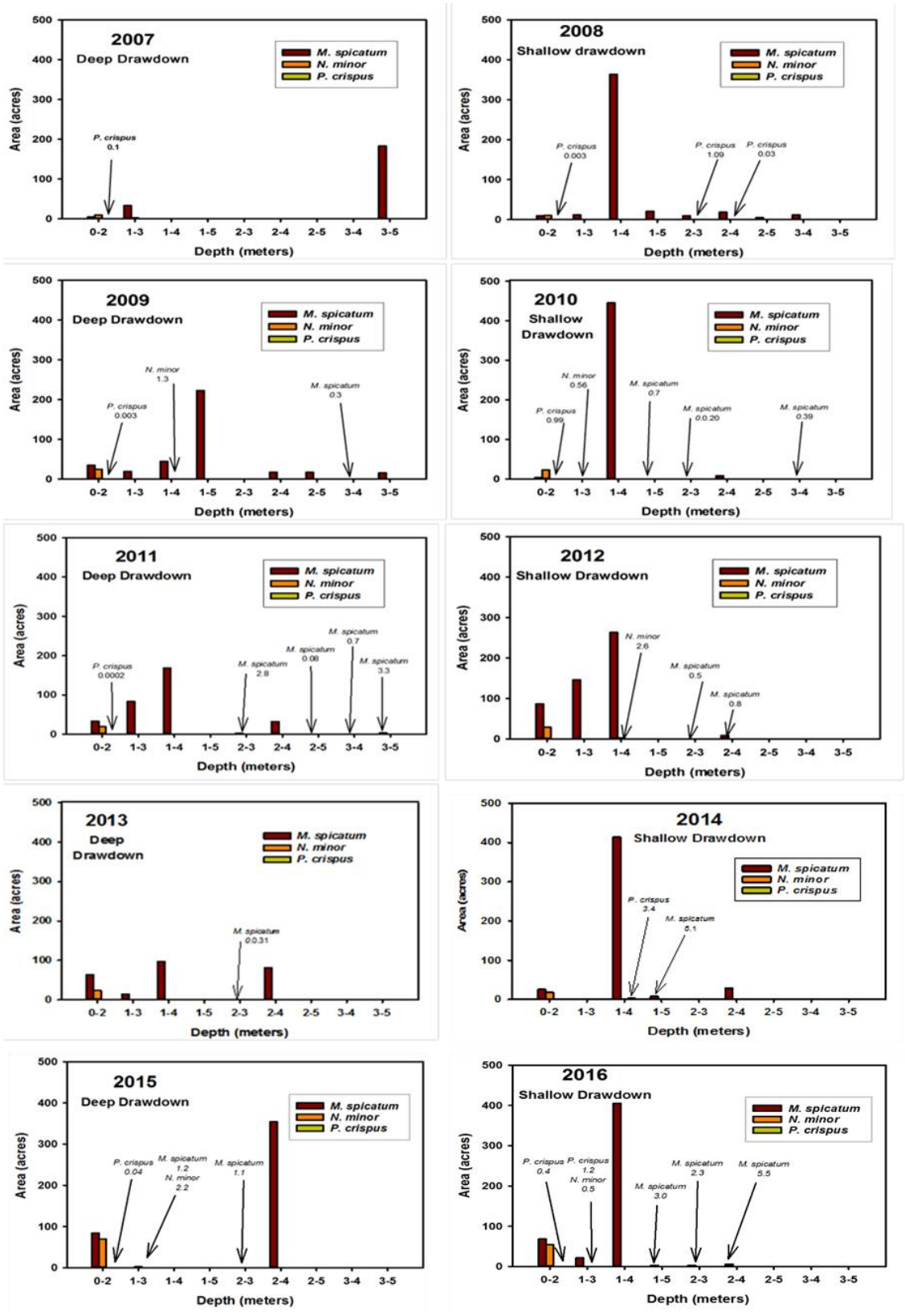


Figure 4. Depth preferences of invasive aquatic plants in Candlewood Lake 2007 -2016.

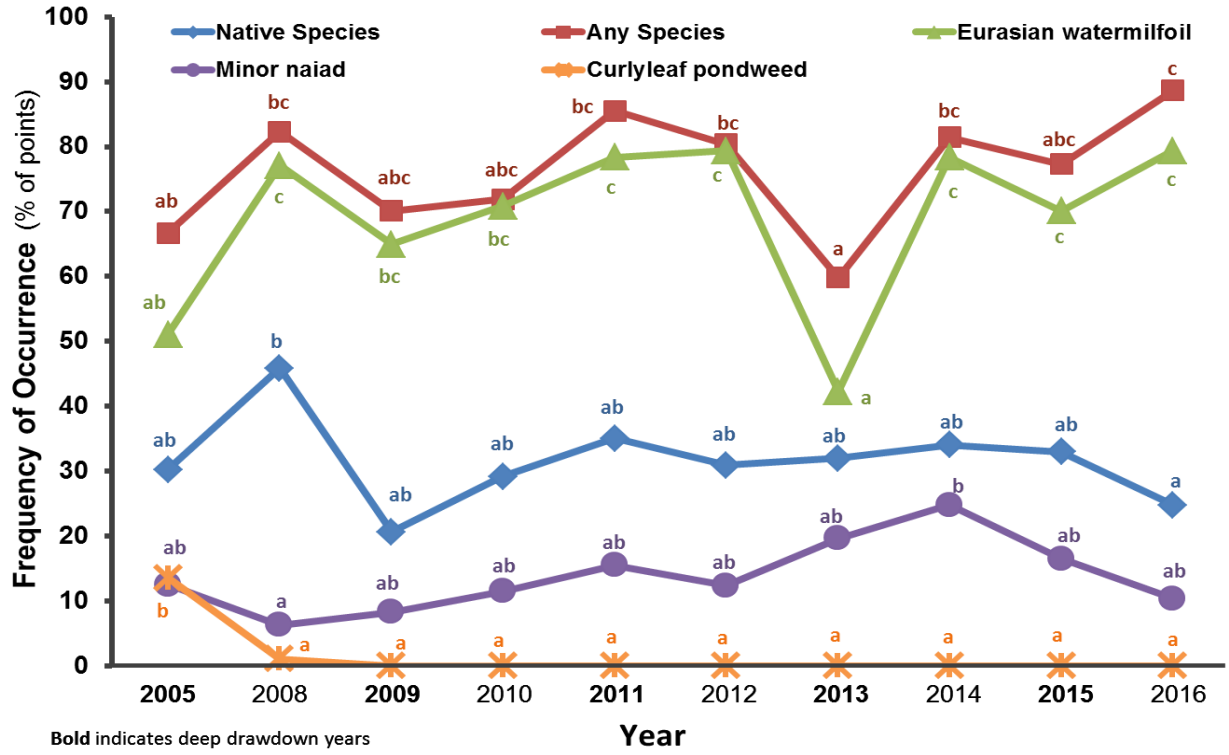


Figure 5. Yearly frequency of occurrence of aquatic vegetation on transects in Candlewood Lake. Points with the same letter within a species are not statistically different.

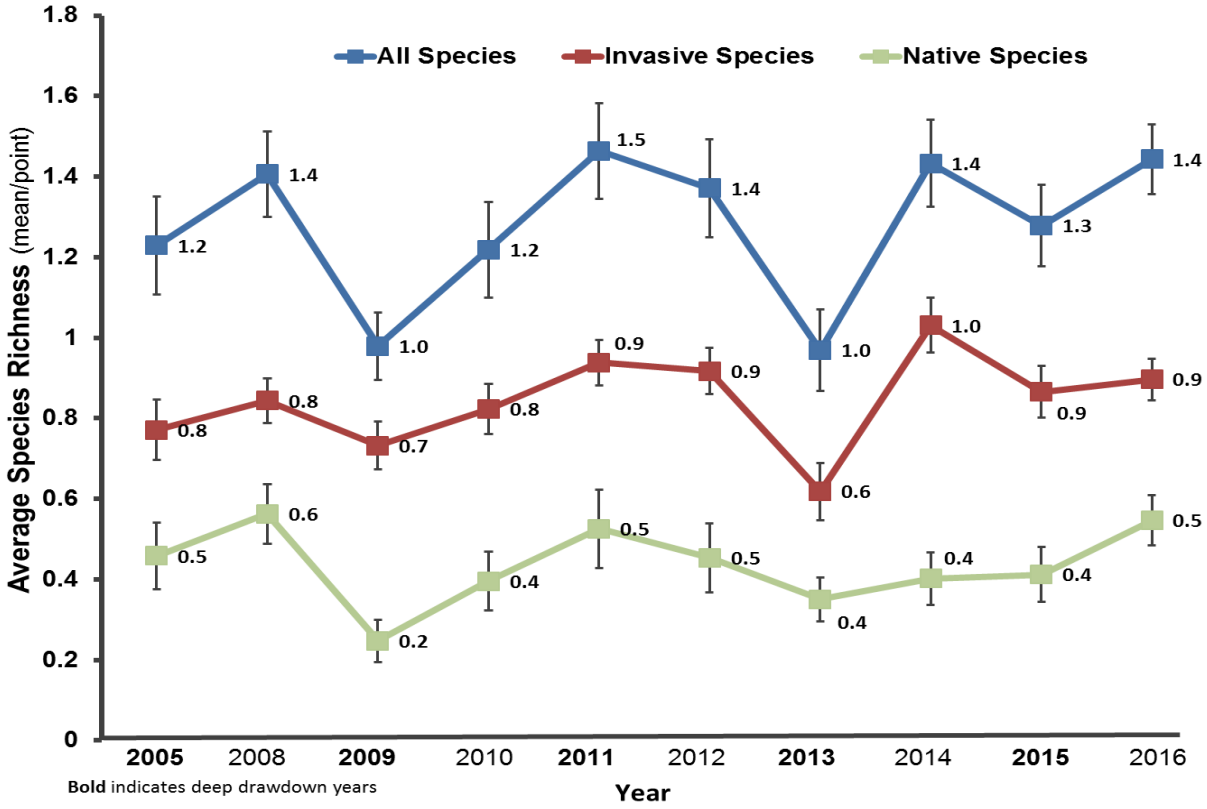


Figure 6. Yearly comparisons of average number of plant species per transect point in Candlewood Lake. Error bars equal +/- one standard error of the mean (SEM).

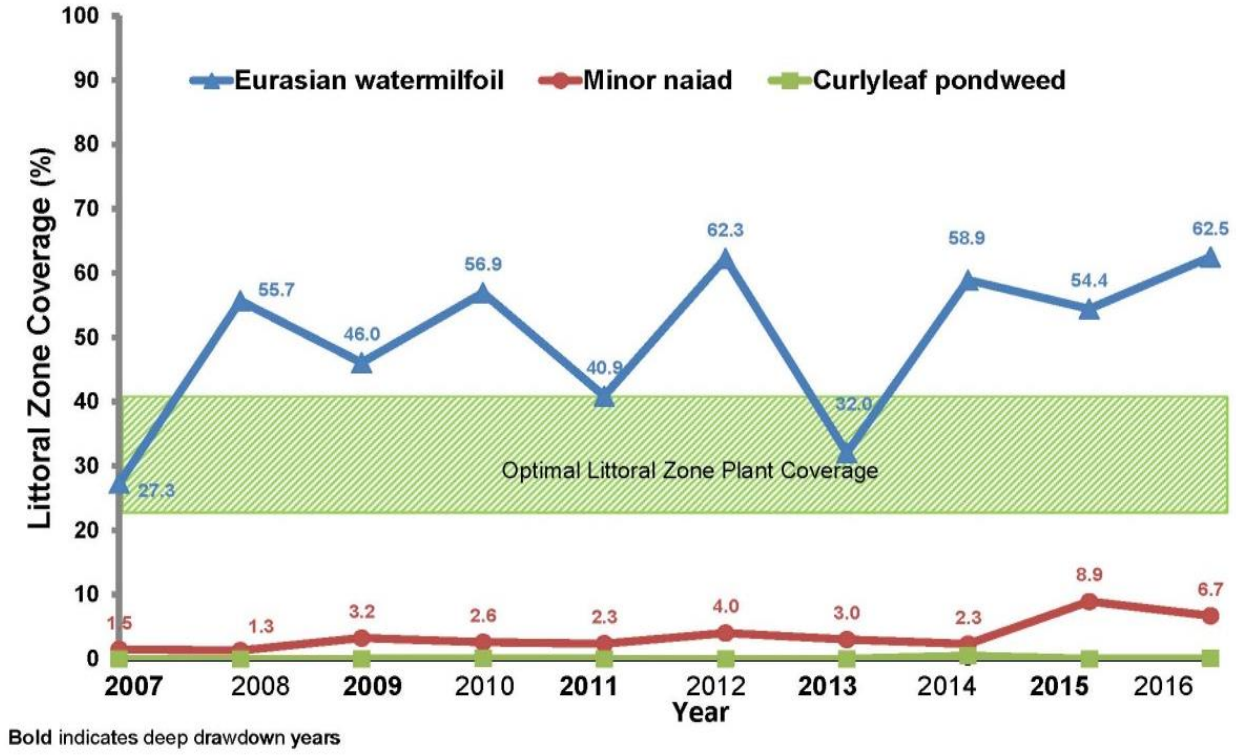


Figure 7. Yearly comparison of the coverage of invasive aquatic plants in Candlewood Lake's littoral zone (0-5m).

Diverse and abundant native species are an indicator of a healthy aquatic ecosystem. In addition, they may decrease the establishment and spread of invasive species (Capers et al. 2007). The overall 2016 native species richness on transects was 6, compared to a low of 5 in 2013 and a high of 14 in 2005 (Table 1). Some species-rich Connecticut lakes contain over 30 native plant species (CAES IAPP 2017). For a large lake like Candlewood to have such a small number of plant species is unusual and is probably because of harm to shoreline species when exposed during drawdowns. We found no new native species in 2016 (Table 1). Clasping leaf pondweed (*Potamogeton perfoliatus*) was present in 2015 but not 2016. Many species that were present in 2005 have not been found in recent years, including water starwort (Callitriche sp.), waterweed (*Elodea nuttallii*), nodding waternymph (*Najas flexilis*), variable leaf pondweed (*Potamogeton gramineus*), small pondweed (*Potamogeton pusillus*), and horned pondweed (*Zannichellia palustris*). It is possible these plants have suffered because of the drawdown regime.

When frequency of occurrence (FO) and species richness is high, many consider biodiversity optimal. The 2016 FO of any species (native + invasive) on transect points was 88% and was statistically greater ($p \leq 0.05$) than 2005 (66%) and 2013 (60%) (Figure 5). Native species FO in 2016 was 25%. Although this is among the lowest of any year it was only statistically different ($p \leq 0.05$) from 2008 (46%). The average native species richness on transect points in 2016 was 0.5 (Figure 6) which is only statistically greater (± 1 SEM) from 2009 (0.2).

Littoral zone coverage by aquatic vegetation provides habitat for fish and other aquatic organisms. From 20% to 40% littoral zone coverage is considered optimal in Connecticut lakes (Jacobs and O'Donnell 2002). We used a depth of 5 m (16 feet) as the littoral zone limits in Candlewood Lake because it corresponds to the maximum depth where plants have been found. Candlewood Lake has a littoral zone of 810 acres or 16% of the total lake area (Bugbee 2011).

Eurasian watermilfoil occupied 62% of the 2016 littoral zone (Figure 7). This was similar to other shallow drawdown years (range 56% - 62%). Minor naiad covered 7% of the littoral zone in 2016 which was down from the all-time high of 9% in 2015. Minor naiad showed little response to either a shallow (range = 1 - 7%) or deep drawdown (range = 2 - 9%). Curlyleaf pondweed coverage of the littoral zone was minimal in 2016 and all previous years (<0.01%). The total coverage of Candlewood Lake's littoral zone cannot be inferred by adding the acreage of various species as they often occur together. Eurasian watermilfoil alone, however, has met and often exceeded the optimal littoral zone coverage.

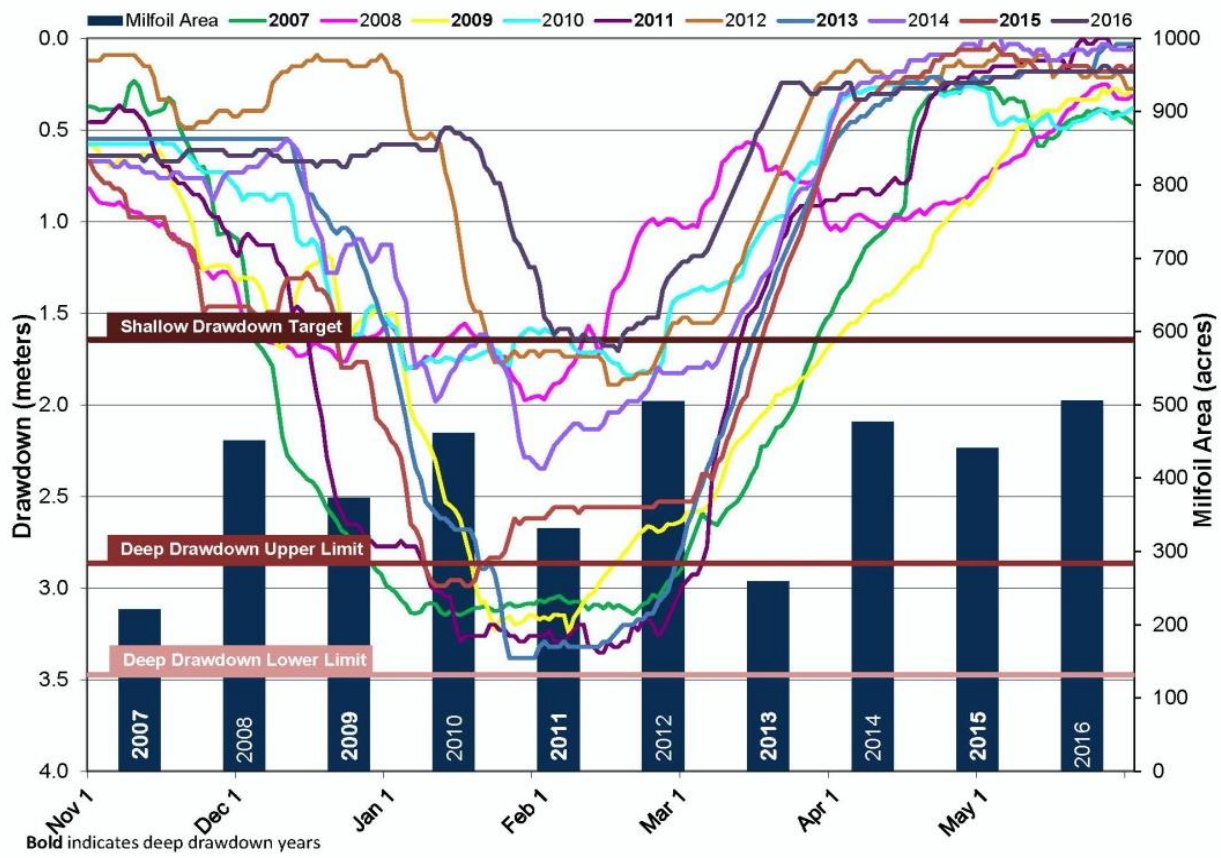


Figure 8. Candlewood Lake's drawdown depths and duration from 2007 - 2016. Bars with years in bold are deep drawdown years.

2016 Drawdown

The winter drawdown of 2016 featured a shallow drawdown. Water levels were lowered relatively late (mid-January) and did not reach their lowest level until mid-February. After about three weeks the refill process began and the lake was full by late March (Figure 8). This was the shortest shallow drawdown of any of our survey years. Shallow and deep drawdowns usually result in large differences in the coverage of Eurasian watermilfoil as shown in Allen's Cove (Figure 9). The rapid regrowth in the shallow drawdown years is typical throughout Candlewood Lake and has become reasonably predictable (Bugbee and Fanzutti 2016). The large Eurasian watermilfoil acreage in 2016 was likely related to the relatively poor control achieved after the late short duration deep drawdown of 2015.

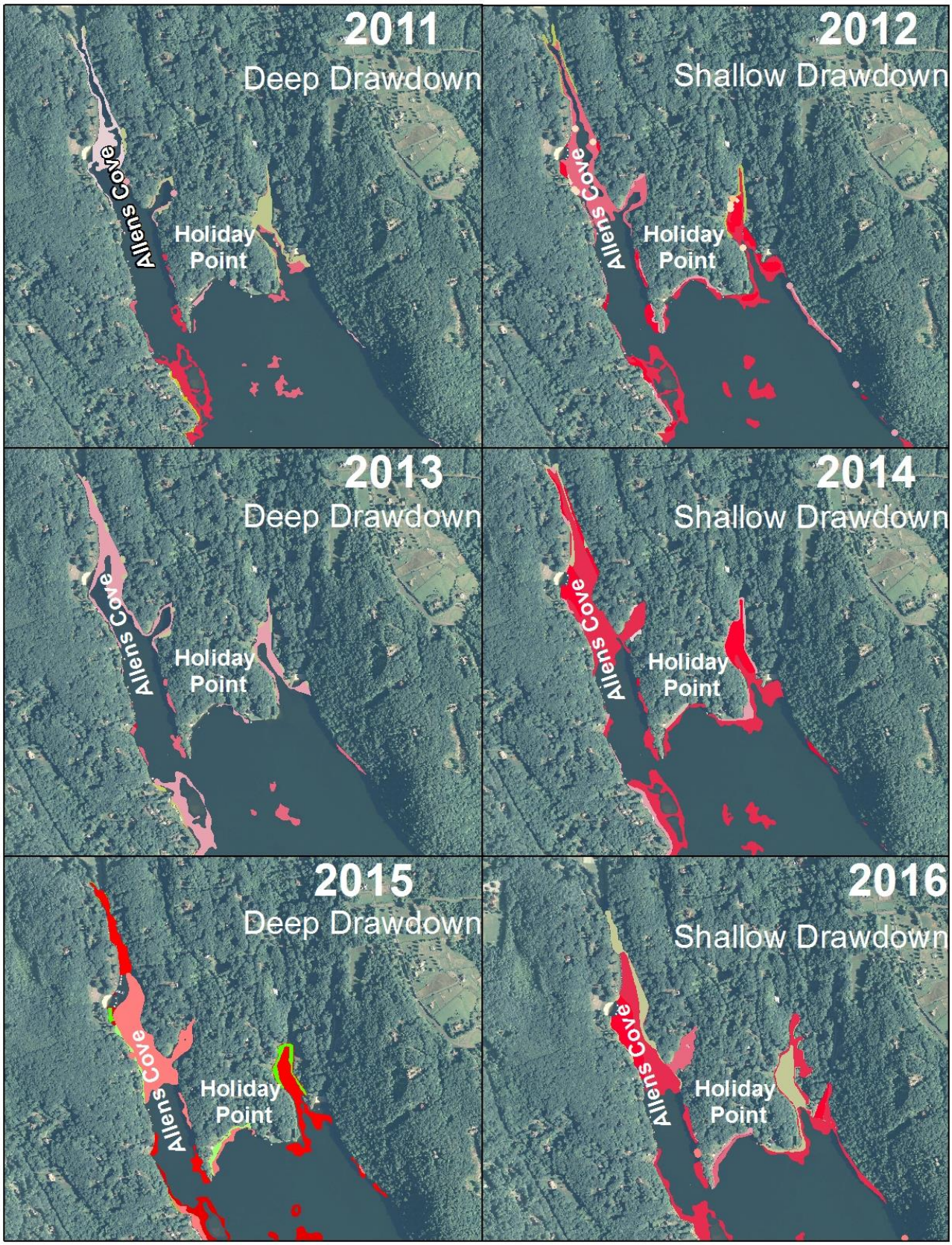


Figure 9. Comparison of the coverage and abundance of Eurasian watermilfoil in Allen's Cove from 2010 to 2015. Darker pink colors indicate greater abundance.

`

Figure 10. Points (*) marking Eurasian watermilfoil reaching the surface of Candlewood Lake.

Grass Carp Introduction

On June 26, 2015 approximately 4000 triploid (sterile) grass carp were introduced into Candlewood Lake. These fish consume aquatic plants and can control aquatic vegetation by their feeding activities (Pipalova 2006). Because grass carp tend to graze on the terminal shoots of vegetation, milfoil control would likely first be noticed by a reduction in the plants reaching the surface and flowering (Pipalova 2006). Since 2012, we have recorded the points where these surface milfoil patches have occurred (Figures 10, 11 and 12). If these surface flowering points and other surface patches could be substantially reduced, most of nuisance milfoil would be eliminated. The shallow drawdown years of 2012, 2014 and 2016 showed the highest number of surface flowering points with 1481, 640, and 1468 respectively. The deep drawdown years of 2013 and 2015 featured only 2 and 44 points, respectively. Thus, the effects of grass carp would be expected to be most noticeable in shallow drawdown years. Our data, however, suggests there are large natural variations within shallow drawdown years that could confound the assessments. Our finding of 1468 surface patches in 2016 suggests that the grass carp have not yet provided any Eurasian watermilfoil control. This is expected as the fish usually need several years to become big enough to consume large quantities of vegetation and often supplemental introductions are needed (Pipalova 2006).

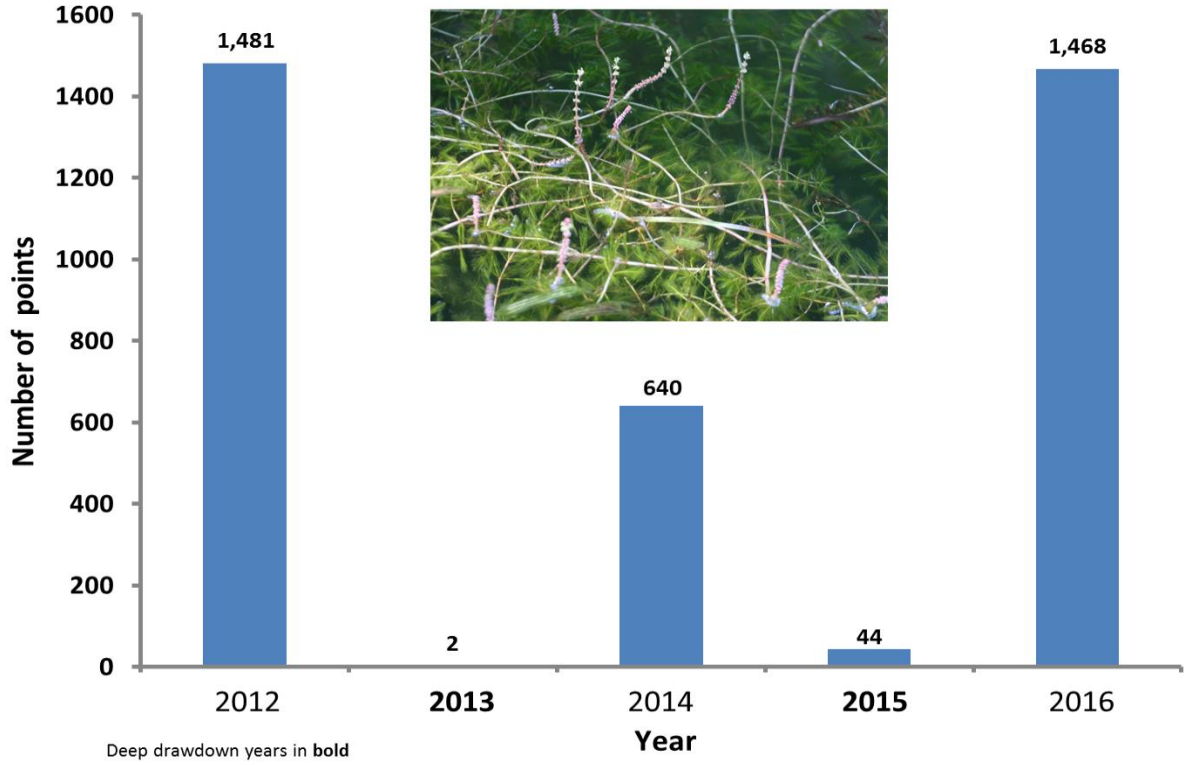


Figure 11. Number of points where Eurasian watermilfoil was flowering at the surface from 2012 to 2015.

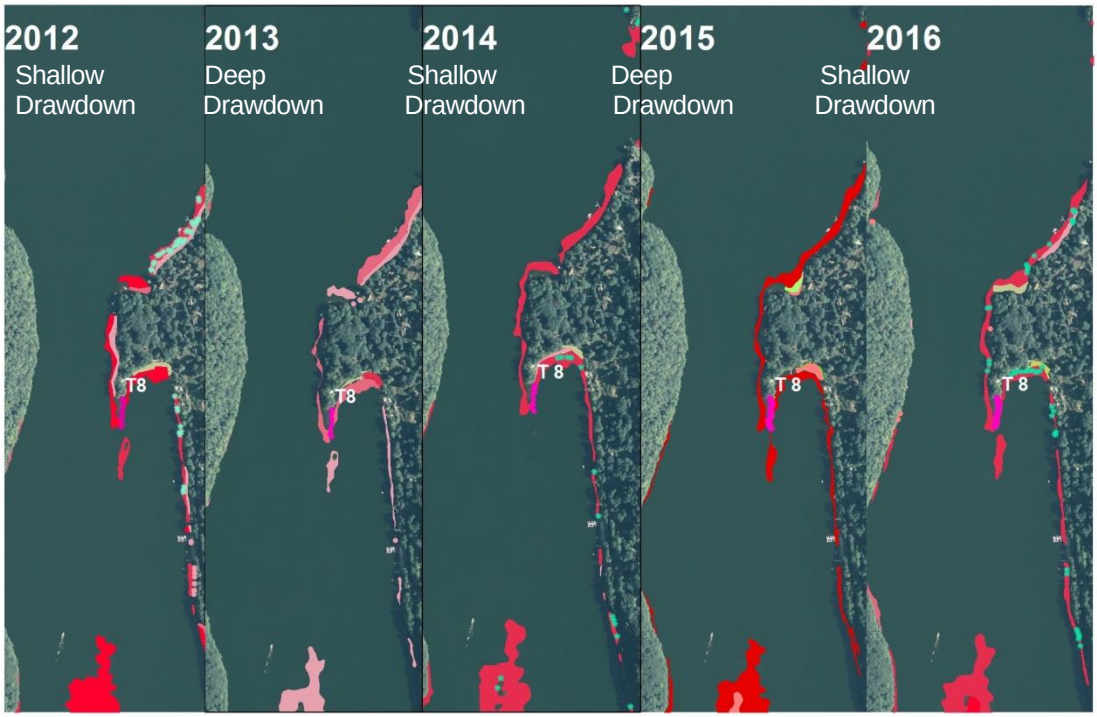
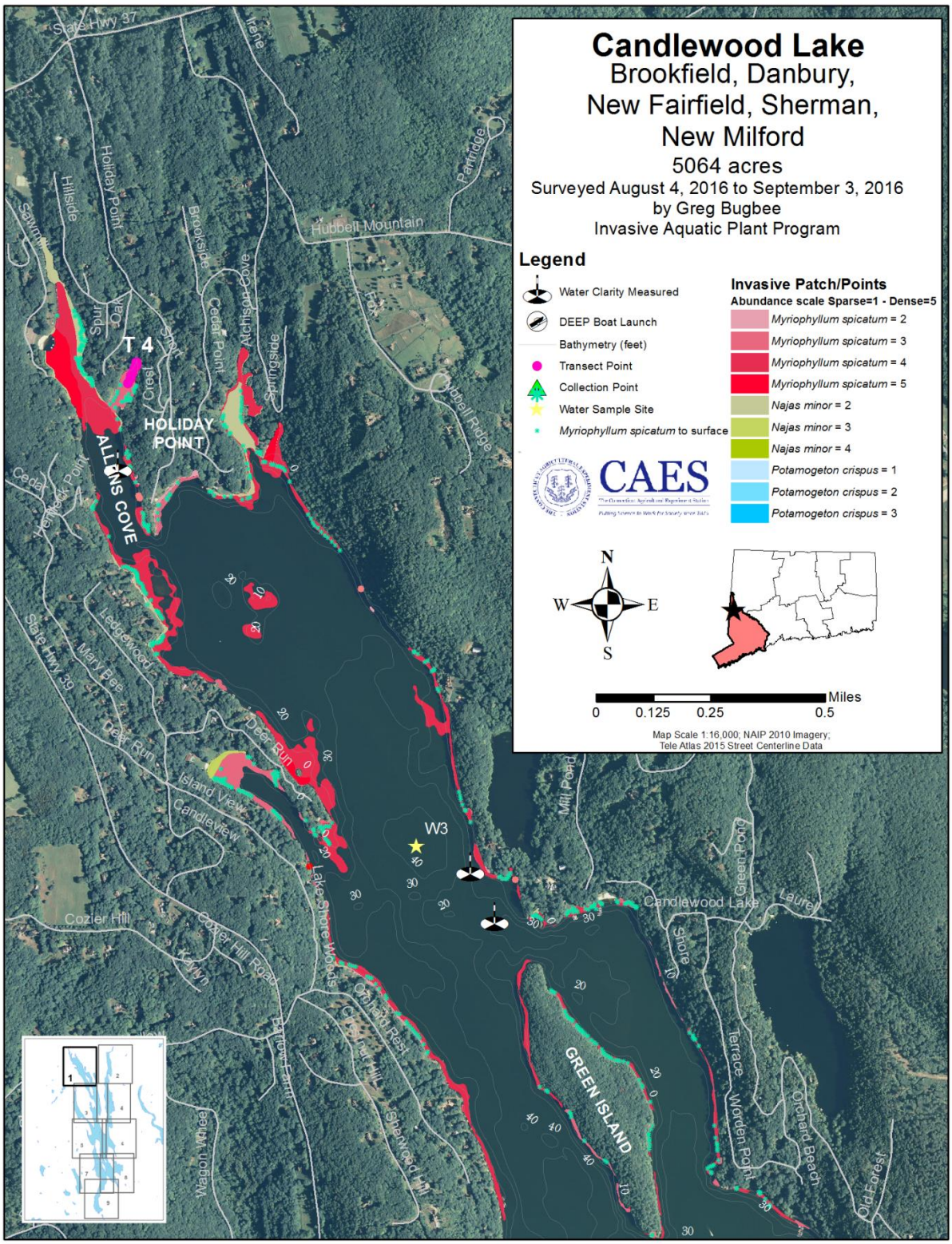
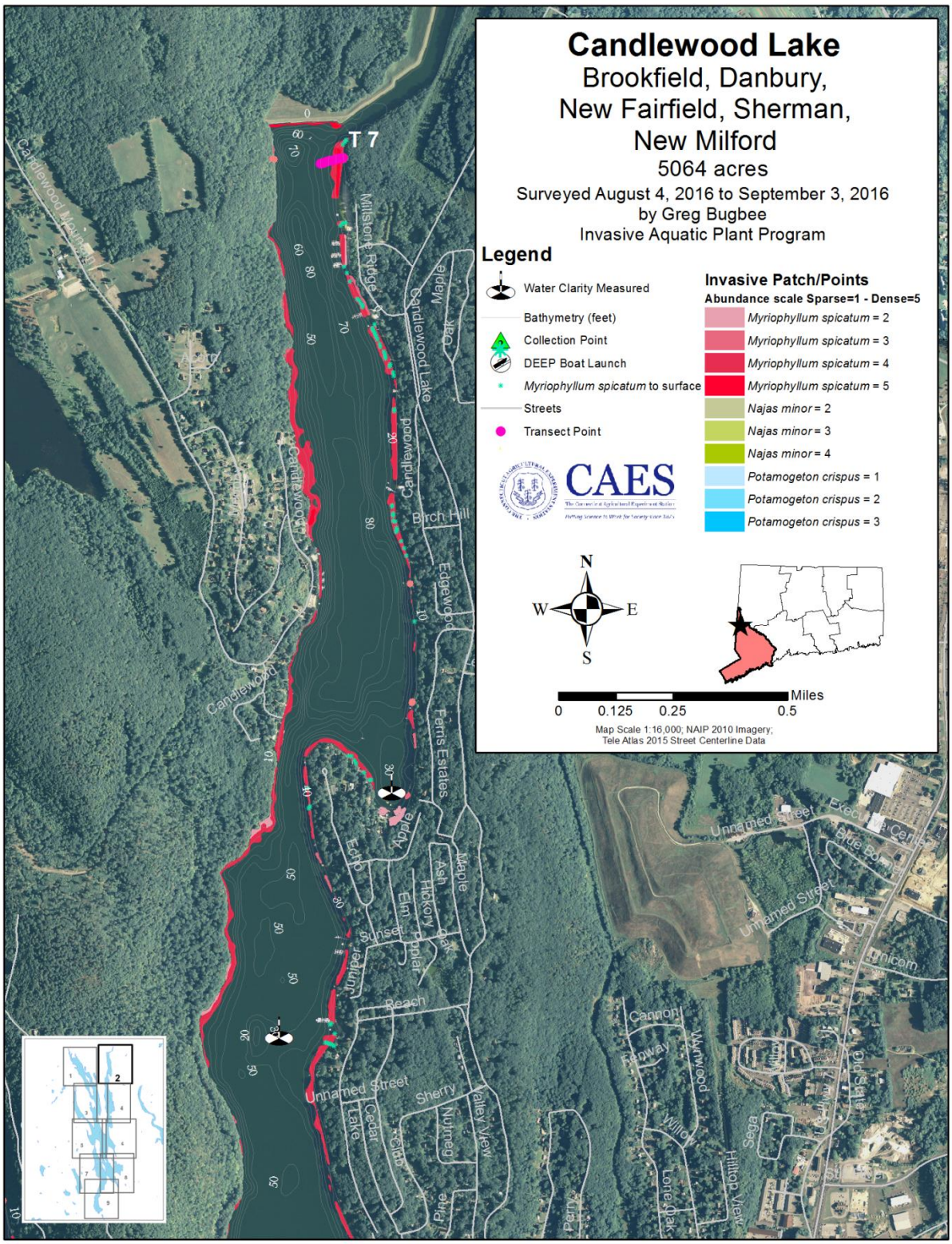
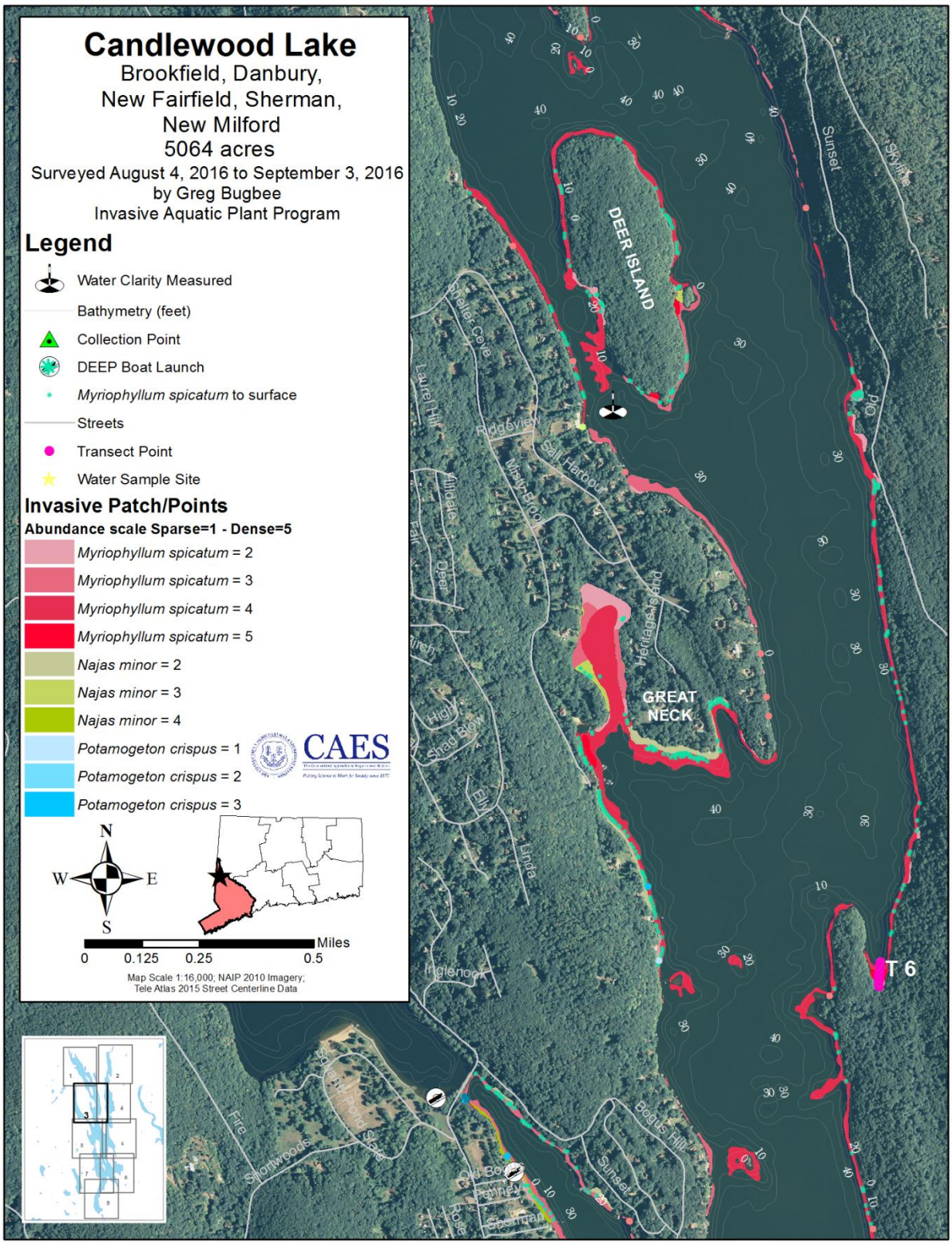
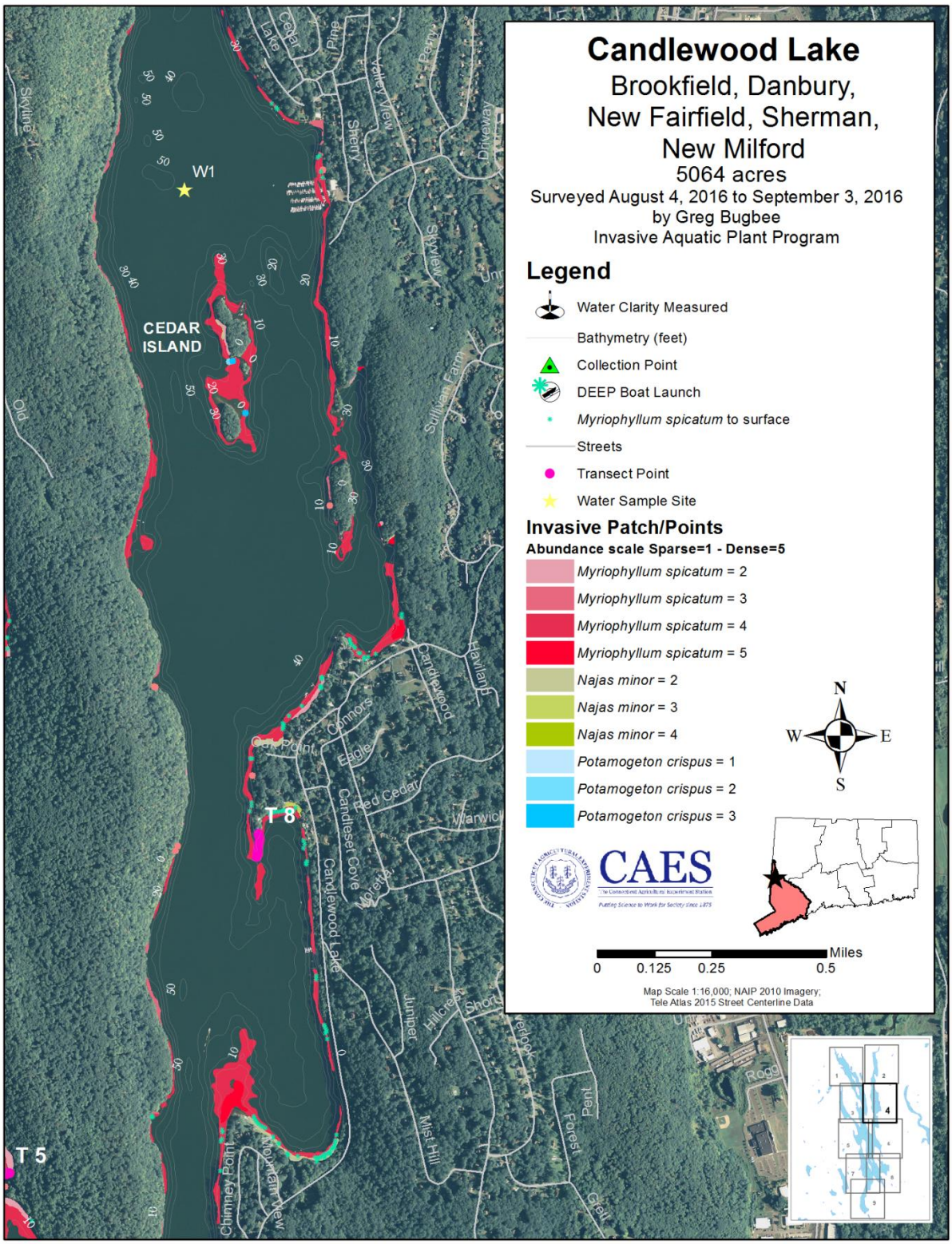


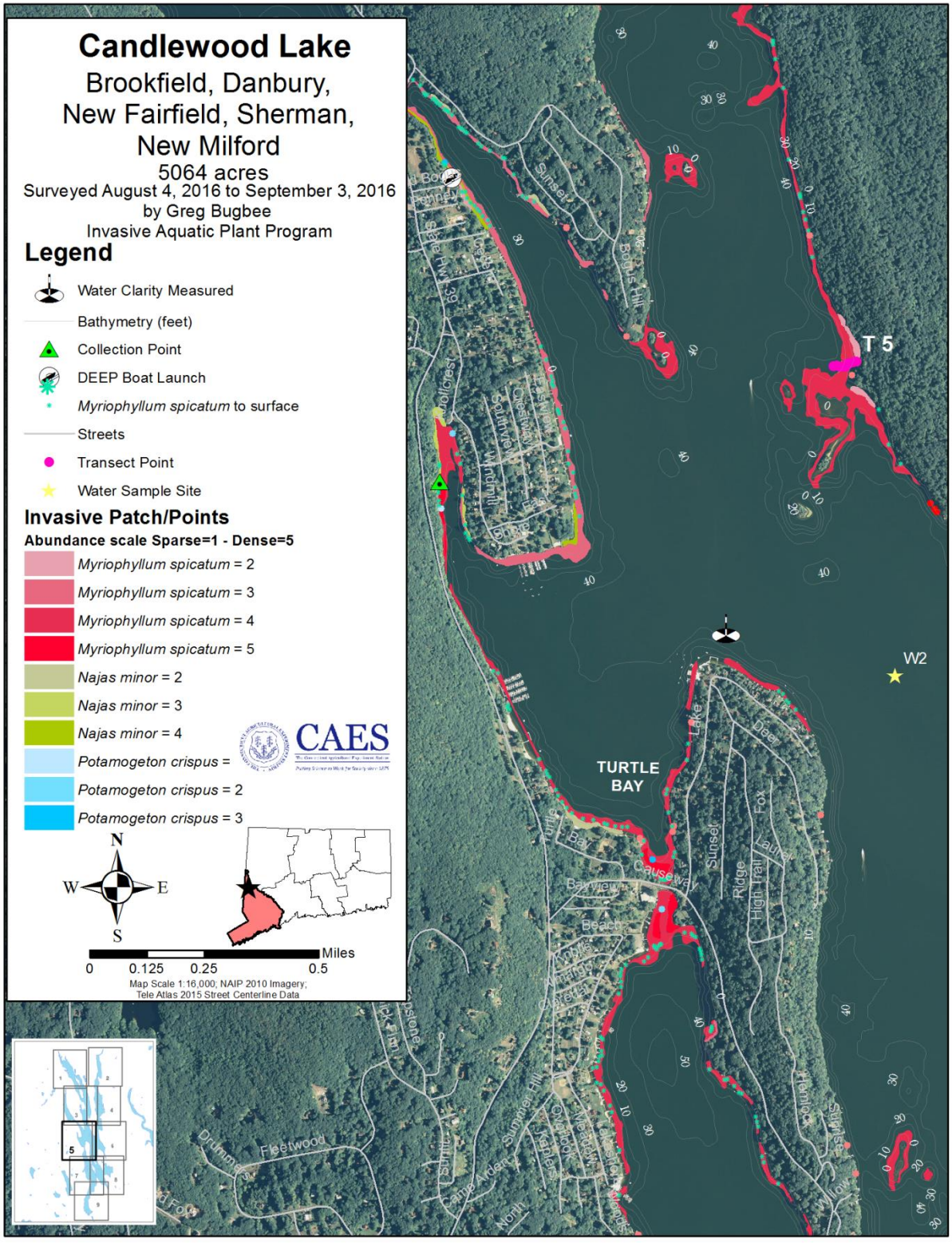
Figure 12. Subpatches of Eurasian watermilfoil marked with abundances of five (*) from 2012-2016 near transect eight in Candlewood Lake.

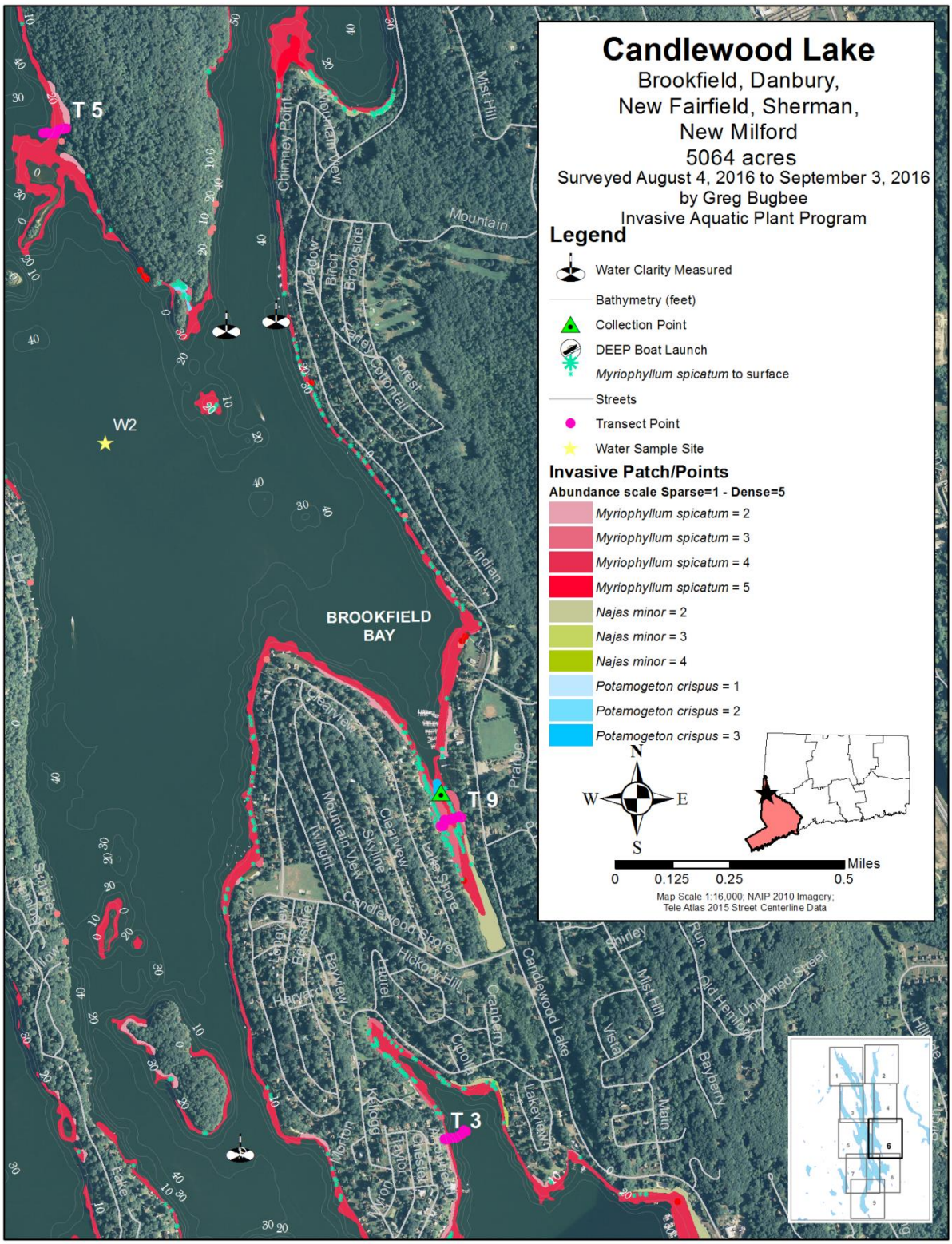

Candlewood Lake
Brookfield, Danbury,
New Fairfield, Sherman,
New Milford
5064 acres
Surveyed August 4, 2016 to September 3, 2016
by Greg Bugbee
Invasive Aquatic Plant Program
Legend
Water Clarity Measured
DEEP Boat Launch
Bathymetry (feet)
Transect Point
Collection Point
Water Sample Site
Myriophyllum spicatum to surface
Invasive Patch/Points
Abundance scale Sparse=1 - Dense=5
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Myriophyllum spicatum = 5
Najas minor = 2
Najas minor = 3
Najas minor = 4
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
CAES
N
W
E
S
Miles
0
0.125
0.25
0.5
Map Scale 1:16,000; NAIP 2010 Imagery;
Tele Atlas 2015 Street Centerline Data
T 4
HOLIDAY POINT
ALLENS COVE
W3
GREEN ISLAND
Candlewood Lake
Hubbell Mountain
Deer Run
Lake Shore Woods
Cozier Hill
Cozier Hill Road
Island View
Candleview
Mary Bee
Ledgewood
Hemlock Point
Hillside
Holiday Point
Brookside
Cedar Point
Atchison Cove
Springside
Irene
Partridge
Hubbell Ridge
Mill Pond
Green Pond
Laurel
Shore
Terrace
Worden Point
Orchard Beach
Old Forest
Sherwood Hill
Wagon Wheel
Barlow Farm
Orchard Rest
State Hwy 37
State Hwy 39

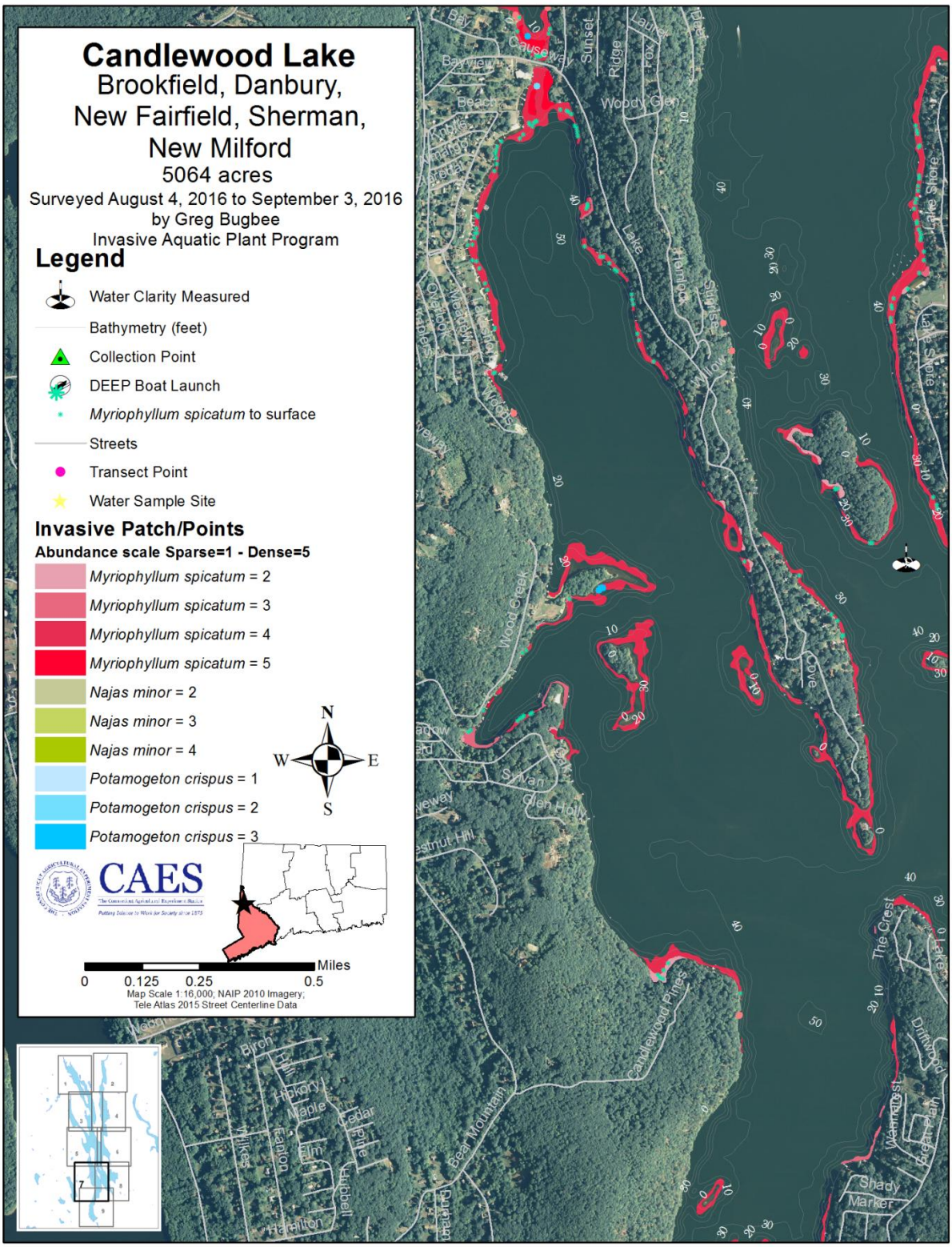

Candlewood Lake
Brookfield, Danbury,
New Fairfield, Sherman,
New Milford
5064 acres
Surveyed August 4, 2016 to September 3, 2016
by Greg Bugbee
Invasive Aquatic Plant Program
Legend
Water Clarity Measured
Bathymetry (feet)
Collection Point
DEEP Boat Launch
Myriophyllum spicatum to surface
Streets
Transect Point
Invasive Patch/Points
Abundance scale Sparse=1 - Dense=5
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Myriophyllum spicatum = 5
Najas minor = 2
Najas minor = 3
Najas minor = 4
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
CAES
N
W
E
S
Miles
0
0.125
0.25
0.5
Map Scale 1:16,000; NAIP 2010 Imagery;
Tele Atlas 2015 Street Centerline Data
T 7
Candlewood Mountain
Millstone Ridge
Candlewood Lake
Maple
Oak
Birch Hill
Edgewood
Ferris Estates
Apple
Echo
Ash
Hickory
Elm
Poplar
Sunset
Juniper
Reach
Unnamed Street
Sherry
Cedar
Lake
Nutmeg
Valley View
Pine
Perry
Cannon
Fenway
Wynwood
Willow
Lone Oak
Hilltop View
Sega
Unicorn
Old State
Blue Bo
Executive Center

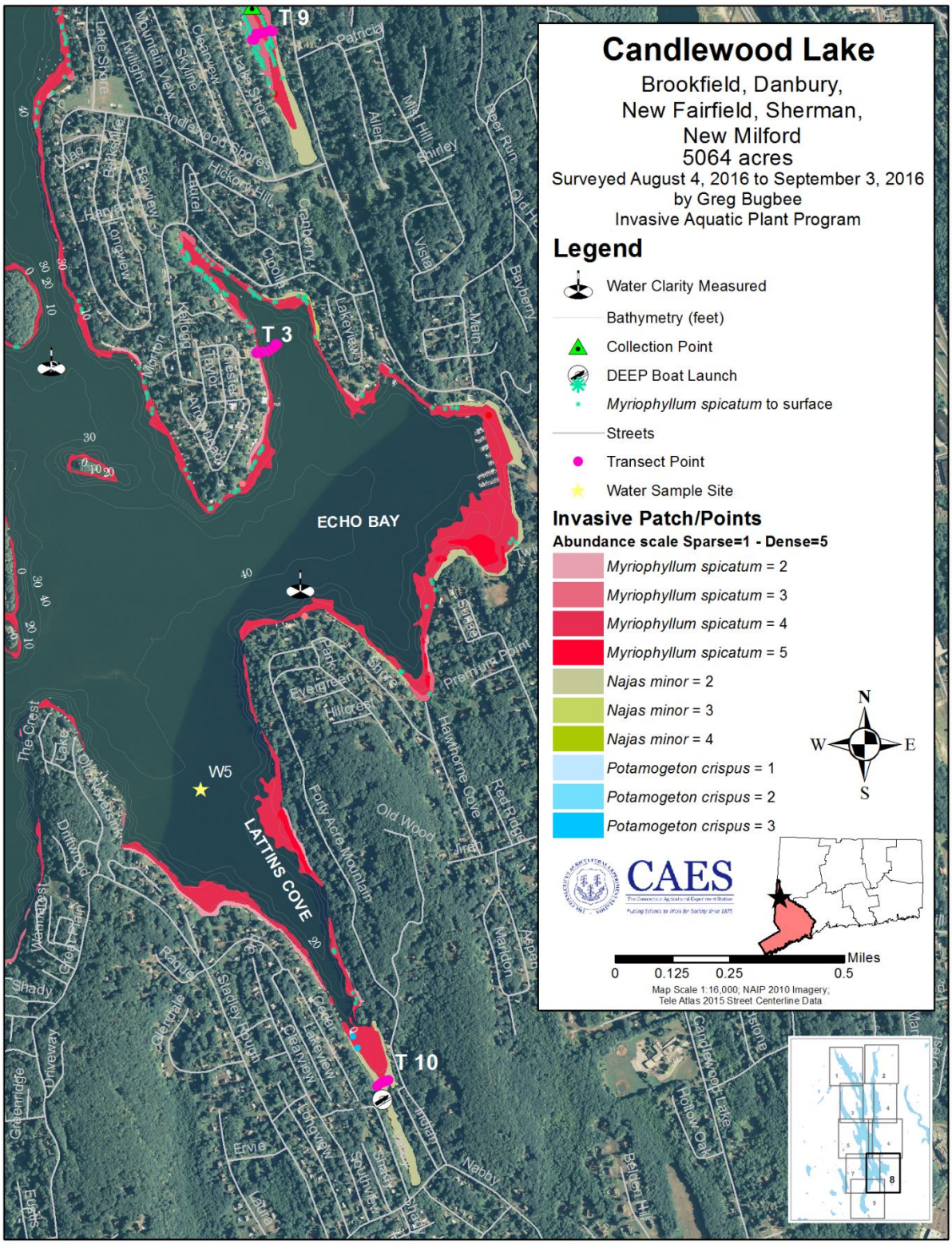

Candlewood Lake
Brookfield, Danbury,
New Fairfield, Sherman,
New Milford
5064 acres
Surveyed August 4, 2016 to September 3, 2016
by Greg Bugbee
Invasive Aquatic Plant Program
Legend
Water Clarity Measured
Bathymetry (feet)
Collection Point
DEEP Boat Launch
Myriophyllum spicatum to surface
Streets
Transect Point
Water Sample Site
Invasive Patch/Points
Abundance scale Sparse=1 - Dense=5
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Myriophyllum spicatum = 5
Najas minor = 2
Najas minor = 3
Najas minor = 4
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
CAES
N
W
E
S
Miles
0
0.125
0.25
0.5
Map Scale 1:16,000; NAIP 2010 Imagery;
Tele Atlas 2015 Street Centerline Data
DEER ISLAND
GREAT NECK
Sunset
Skyline
Old
Shelter Cove
Laurel Hill
Ridgeview
Salt Harbour
Misty Brook
Heritage Island
Shad Blow
Linda
Inglenook
Bogus Hill
Shortwoods
Fire
T 6


Candlewood Lake
Brookfield, Danbury,
New Fairfield, Sherman,
New Milford
5064 acres
Surveyed August 4, 2016 to September 3, 2016
by Greg Bugbee
Invasive Aquatic Plant Program
Legend
Water Clarity Measured
Bathymetry (feet)
Collection Point
DEEP Boat Launch
Myriophyllum spicatum to surface
Streets
Transect Point
Water Sample Site
Invasive Patch/Points
Abundance scale Sparse=1 - Dense=5
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Myriophyllum spicatum = 5
Najas minor = 2
Najas minor = 3
Najas minor = 4
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
N
W
E
S
CAES
Miles
0
0.125
0.25
0.5
Map Scale 1:16,000; NAIP 2010 Imagery;
Tele Atlas 2015 Street Centerline Data
W1
CEDAR ISLAND
T 8
T 5
Candlewood Lake
Candleset Cove
Red Cedar
Cedar Point
Chimney Point
Mountain View
Mist Hill
Juniper
Hillcrest
Forest
Pent
Skyline
Old
Sullivan Farm
Skyview
Driveway
Valley View
Sherry
Pine
Cedar Lake
Connors
Eagle
Haviland
Candlewood
Warwick
Moretta
Short
Overlook
Rogg


Candlewood Lake
Brookfield, Danbury,
New Fairfield, Sherman,
New Milford
5064 acres
Surveyed August 4, 2016 to September 3, 2016
by Greg Bugbee
Invasive Aquatic Plant Program
Legend
Water Clarity Measured
Bathymetry (feet)
Collection Point
DEEP Boat Launch
Myriophyllum spicatum to surface
Streets
Transect Point
Water Sample Site
Invasive Patch/Points
Abundance scale Sparse=1 - Dense=5
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Myriophyllum spicatum = 5
Najas minor = 2
Najas minor = 3
Najas minor = 4
Potamogeton crispus =
Potamogeton crispus = 2
Potamogeton crispus = 3
CAES
N
W
E
S
Miles
0
0.125
0.25
0.5
Map Scale 1:16,000; NAIP 2010 Imagery;
Tele Atlas 2015 Street Centerline Data
T 5
W2
TURTLE
BAY
Sunset
Bogus Hill
Causeway
Bayview
Beach
Ridge
High Trail
Fox
Lake
Deer
Fleetwood
Drummers
Summer Hill
Hemlock
Willow


Candlewood Lake
Brookfield, Danbury,
New Fairfield, Sherman,
New Milford
5064 acres
Surveyed August 4, 2016 to September 3, 2016
by Greg Bugbee
Invasive Aquatic Plant Program
Legend
Water Clarity Measured
Bathymetry (feet)
Collection Point
DEEP Boat Launch
Myriophyllum spicatum to surface
Streets
Transect Point
Water Sample Site
Invasive Patch/Points
Abundance scale Sparse=1 - Dense=5
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Myriophyllum spicatum = 5
Najas minor = 2
Najas minor = 3
Najas minor = 4
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
N
W
E
S
Miles
0 0.125 0.25 0.5
Map Scale 1:16,000; NAIP 2010 Imagery;
Tele Atlas 2015 Street Centerline Data
T 5
W2
T 9
T 3
BROOKFIELD
BAY
Mist Hill
Chimney Point
Mountain View
Mountain
Meadow
Birch
Brookside
Valley
Colonial
Forest
Indian
Deer
Prairie
Clearview
Mountain View
Twilight
Skyline
Clearview
Lake Shore
Candlewood Shores
Hickory Hill
Bayview
Harvard
Laurel
Cranberry
Cipoli
Kellogg
Taylor
Crestar
Lakeview
Candlewood Lake
Shirley
Run
Mist Hill
Vista
Old Hemlock
Unnamed Street
Bayberry
Main
Willow
Lake


Candlewood Lake
Brookfield, Danbury,
New Fairfield, Sherman,
New Milford
5064 acres
Surveyed August 4, 2016 to September 3, 2016
by Greg Bugbee
Invasive Aquatic Plant Program
Legend
Water Clarity Measured
Bathymetry (feet)
Collection Point
DEEP Boat Launch
Myriophyllum spicatum to surface
Streets
Transect Point
Water Sample Site
Invasive Patch/Points
Abundance scale Sparse=1 - Dense=5
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Myriophyllum spicatum = 5
Najas minor = 2
Najas minor = 3
Najas minor = 4
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
N
W
E
S
CAES
Miles
0
0.125
0.25
0.5
Map Scale 1:16,000; NAIP 2010 Imagery;
Tele Atlas 2015 Street Centerline Data
Woody Glen
Lake Shore
Wood Creek
Sylvan
Glen Holly
Candlewood Pines
Bear Mountain
The Crest
Shady
Marker


Candlewood Lake
Brookfield, Danbury,
New Fairfield, Sherman,
New Milford
5064 acres
Surveyed August 4, 2016 to September 3, 2016
by Greg Bugbee
Invasive Aquatic Plant Program
Legend
Water Clarity Measured
Bathymetry (feet)
Collection Point
DEEP Boat Launch
Myriophyllum spicatum to surface
Streets
Transect Point
Water Sample Site
Invasive Patch/Points
Abundance scale Sparse=1 - Dense=5
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Myriophyllum spicatum = 5
Najas minor = 2
Najas minor = 3
Najas minor = 4
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
N
W
E
S
CAES
Miles
0
0.125
0.25
0.5
Map Scale 1:16,000; NAIP 2010 Imagery;
Tele Atlas 2015 Street Centerline Data
T 9
T 3
T 10
W5
ECHO BAY
LATTINS COVE

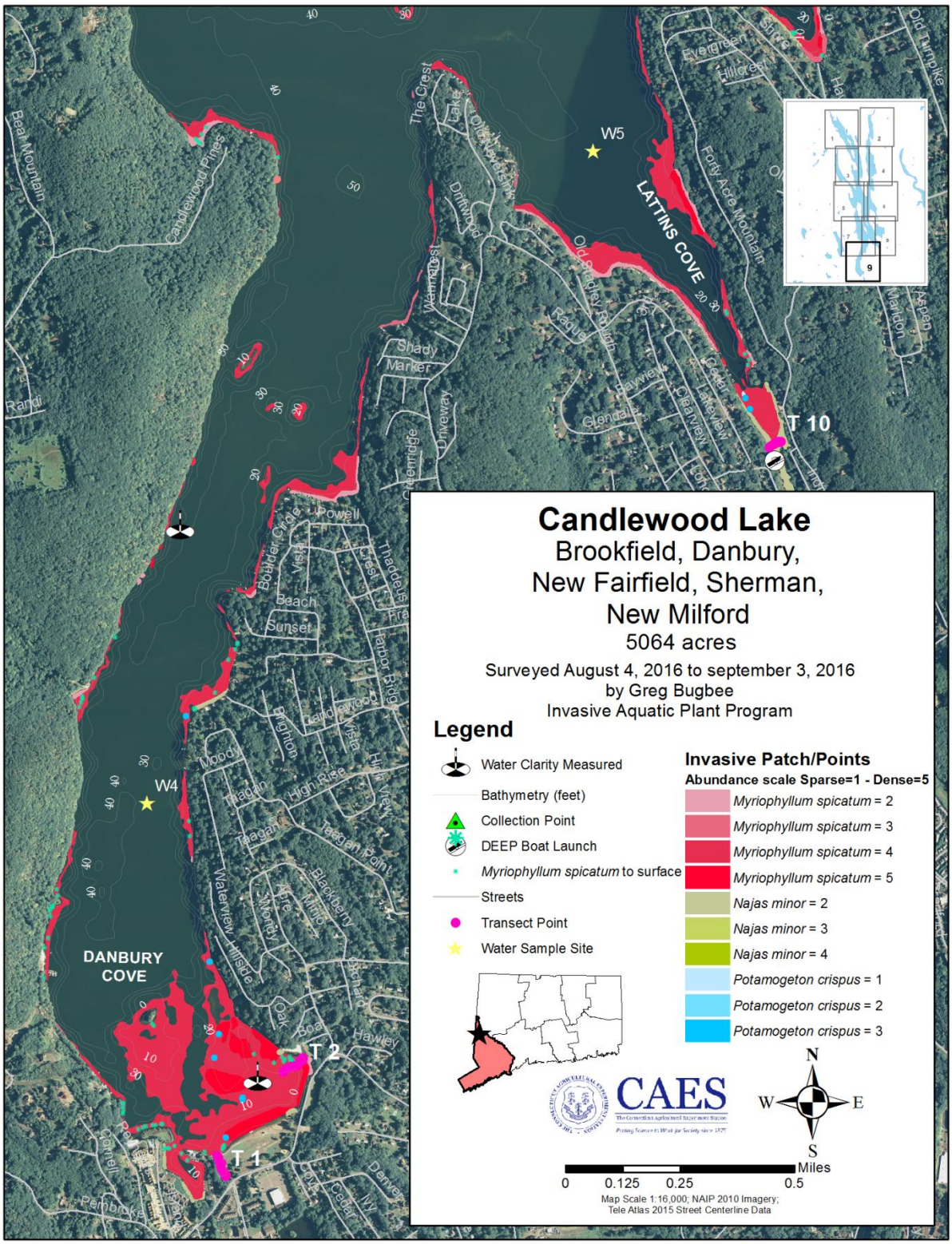

Candlewood Lake
Brookfield, Danbury,
New Fairfield, Sherman,
New Milford
5064 acres
Surveyed August 4, 2016 to september 3, 2016
by Greg Bugbee
Invasive Aquatic Plant Program
Legend
Water Clarity Measured
Bathymetry (feet)
Collection Point
DEEP Boat Launch
Myriophyllum spicatum to surface
Streets
Transect Point
Water Sample Site
Invasive Patch/Points
Abundance scale Sparse=1 - Dense=5
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Myriophyllum spicatum = 5
Najas minor = 2
Najas minor = 3
Najas minor = 4
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
CAES
N
W
E
S
Miles
0 0.125 0.25 0.5
Map Scale 1:16,000; NAIP 2010 Imagery;
Tele Atlas 2015 Street Centerline Data
W5
W4
T 10
T 2
T 1
LATTINS COVE
DANBURY COVE

Table 4. Yearly comparisons of the frequency of occurrence on transects and total area of aquatic vegetation in Squantz Pond.

Scientific Name	Common Name	Frequency of Occurrence (percent*)				Area (acres)			
		2011	2015	2016	2017	2011	2015	2016	2017
Ceratophyllum demersum	Coontail	8	0	4	-	ND	ND	ND	-
Elatine sp.	Waterwort	3	8	8	-	ND	ND	ND	-
Eleocharis sp.	Spikerush	3	6	2	-	ND	ND	ND	-
Elodea nuttallii	Western Waterweed	2	0	4	-	ND	ND	ND	-
Myriophyllum spicatum	**Eurasian watermilfoil**	**12**	**62**	**78**	-	ND	**38**	**39**	-
Najas flexilis	Slender naiad	14	12	4	-	ND	ND	ND	-
Najas minor	**Minor naiad**	**22**	**40**	**22**	-	ND	**15**	**12.5**	-
Pontederia cordata	Pickerelweed	0	4	0	-	ND	ND	ND	-
Potamogeton bicupulatus	Snailseed pondweed	9	20	12	-	ND	ND	ND	-
Potamogeton crispus	**Curlyleaf pondweed**	**0**	**0**	**0**	-	ND	**>0.1**	**>0.1**	-
Potamogeton foliosus	Leafy pondweed	0	0	2	-	ND	ND	ND	-
Potamogeton pusillus	Small pondweed	0	4	0	-	ND	ND	ND	-
Sparganium species	Bur-reed	1	0	0	-	ND	ND	ND	-
Total Invasive Species Richness		**2**	**2**	**2**	-				
Total Native Species Richness		7	6	7	-				
Total Species Richness		9	8	9	-				

Invasive plant (in bold)

* Percent occurrence on 50 points in 5 transects

** Not Determined

Squantz Pond

Our 2016 survey of Squantz Pond confirmed the presence of the invasive species Eurasian watermilfoil, minor naiad, and curlyleaf pondweed along with seven native species (Table 4). Eurasian watermilfoil covered 39 acres (Table 4) and grew throughout most the littoral zone. The coverage was nearly identical to the 38 acres found in 2015 (Bugbee and Fanzutti 2016). We found a total of 12.5 acres of minor naiad in 2016 which again was similar to 2015 (15 acres). Curlyleaf pondweed acreage remained low in both 2015 and 2016 (>0.1 acres). Native species found in all three survey years included waterwort (*Elatine sp.*), spikerush (*Eleocharis sp.*), slender naiad (*Najas flexilis*), and snailseed pondweed (*Potamogeton bicupulatus*). Leafy pondweed (*Potamogeton foliosus*) was found for the first time in our 2016 survey.

We found 100 patches of Eurasian watermilfoil in our 2016 survey (Table 5) with the largest patch covering 11.9 acres of the northern portion of the lake along the eastern shoreline by transects 3 and 4 (Map 1, Pages 34). The average 2016 patch size of Eurasian watermilfoil was 0.4 acres, a decrease from the 0.8 acres found in 2015. The mean patch abundance in 2016 was 2.7, a slight increase from the 2.6 found in 2015. We found 20 patches

Table 5. Yearly comparisons of the number and size of invasive patches in Squantz Pond.

	Eurasian watermilfoil				Minor Naiad				Curlyleaf pondweed			
Year	Number	(min)	(max)	(mean)	Number	(min)	(max)	(mean)	Number	(min)	(max)	(mean)
2016	100	0.0002	11.9	0.39	20	0.0589	2	0.63	3	0.0002	0.0002	0.0002
2015	46	0.0002	10.2	0.83	13	0.2	4.1	1.2	1	0.004	0.004	0.004

Table 6. Yearly comparisons of the abundance of invasive plants in patches in Squantz Pond.

	Patch Abundance (1 = sparse - 5 = dense)								
	Eurasian watermilfoil			Minor Naiad			Curlyleaf pondweed		
Year	(min)	(max)	(mean)	(min)	(max)	(mean)	(min)	(max)	(mean)
2016	1	5	2.7	1	5	2.9	1	2	1.7
2015	1	4	2.6	2	5	3.5	3	3	3

of minor naiad in 2016, an increase from 13 patches in 2015. The largest patch found in 2016 was 2 acres located in the cove at the northernmost part of the lake (Map 1, pages 34). Minor naiad had a mean patch size of 0.6 acres and the smallest patch was 0.06 acres. The mean patch abundance of minor naiad was 2.9 in 2016 representing a decrease from 3.5 in 2015. We found only three points of curlyleaf pondweed in 2016. Two points were found in the northern portion of the lake during our summer survey (Map 1, Page 34) and one point was found during our spring survey on the eastern shore between transects 2 and 4 (Map 2, Page 35). This is consistent with the single point of curlyleaf pondweed found in 2015.

There was a significantly greater ($p \leq 0.05$) frequency of occurrence (FO) of Eurasian watermilfoil in 2016 (78%) from 2011 (12%) but no difference from 2015. The FO of minor naiad, although considerably lower in 2016 (22%) than 2015 (40%), was not statistically different. Only three points of curlyleaf pondweed were found in our 2016 survey and they were not located on transects. The FO of native species statistically declined to 20% in 2016, from 80% in 2015 and 48% in 2011. This may be attributed to Eurasian watermilfoil crowding out native species. Snailseed pondweed had the highest frequency of occurrence of any native species in 2016 (12%) and 2015 (20%) (Table 4).

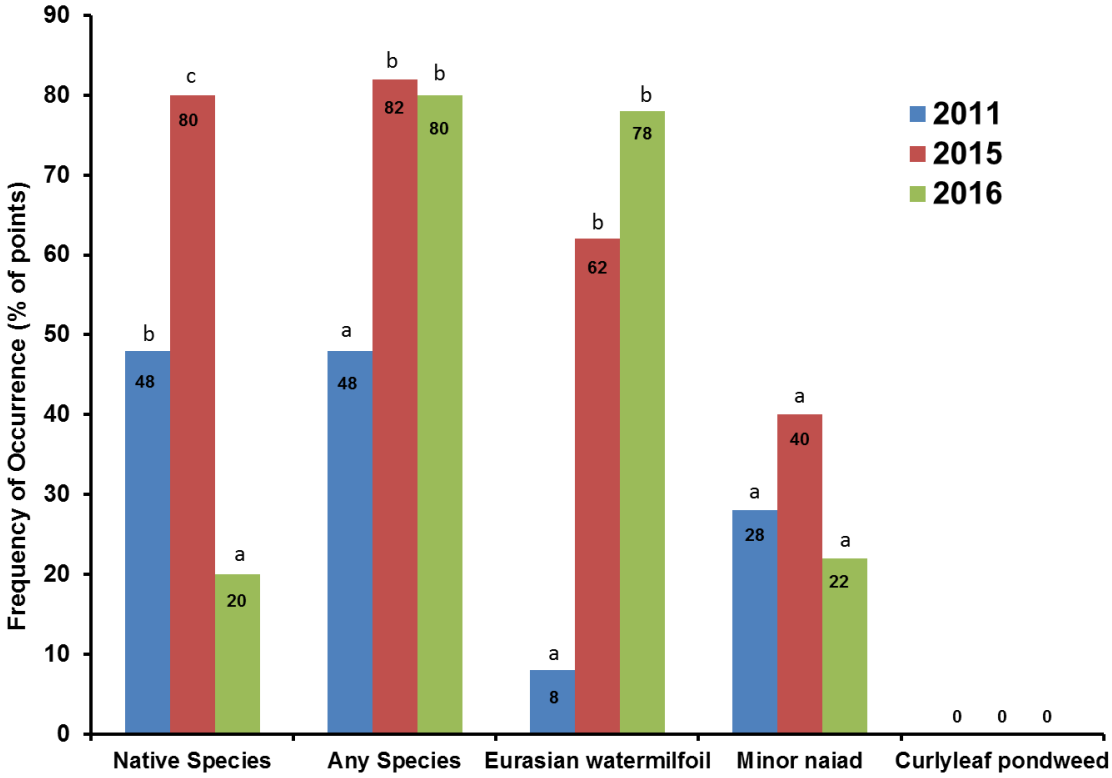


Figure 13. Yearly comparison of the frequency of occurrence of native and invasive species on transects in Squantz Pond. Bars with the same letter are not significantly different.

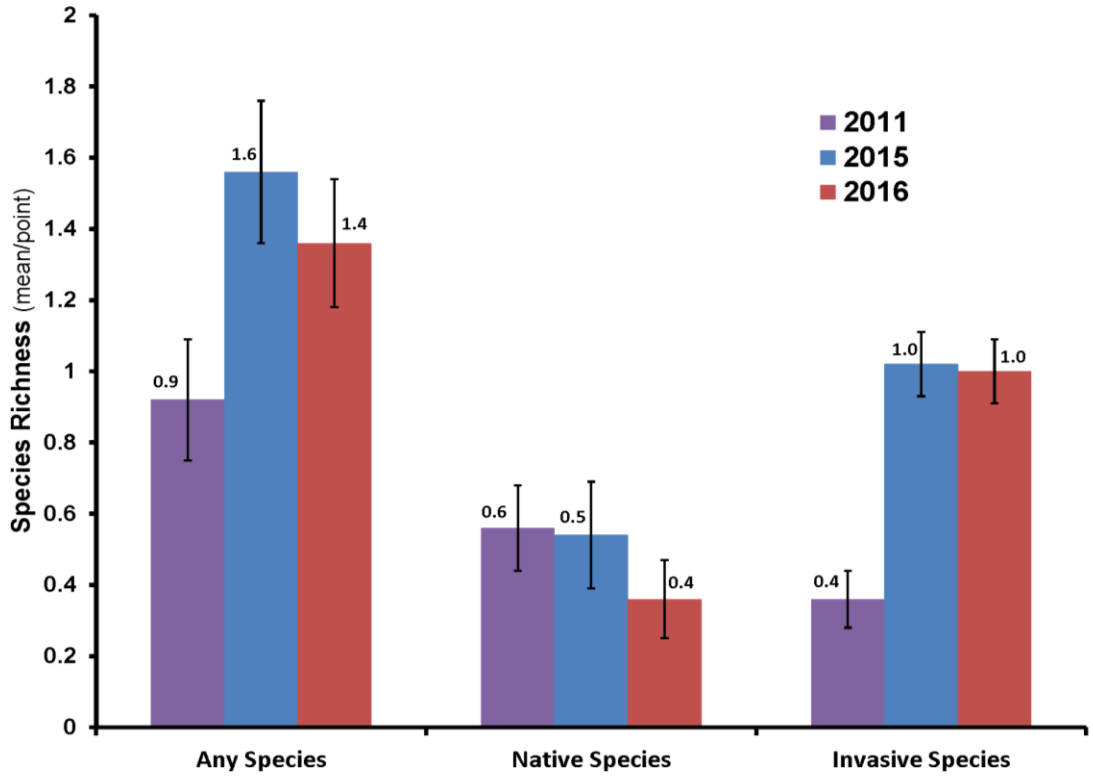


Figure 14. Yearly comparison of the average number of species per transect point in Squantz Pond. Error bars +/- one standard error of the mean.

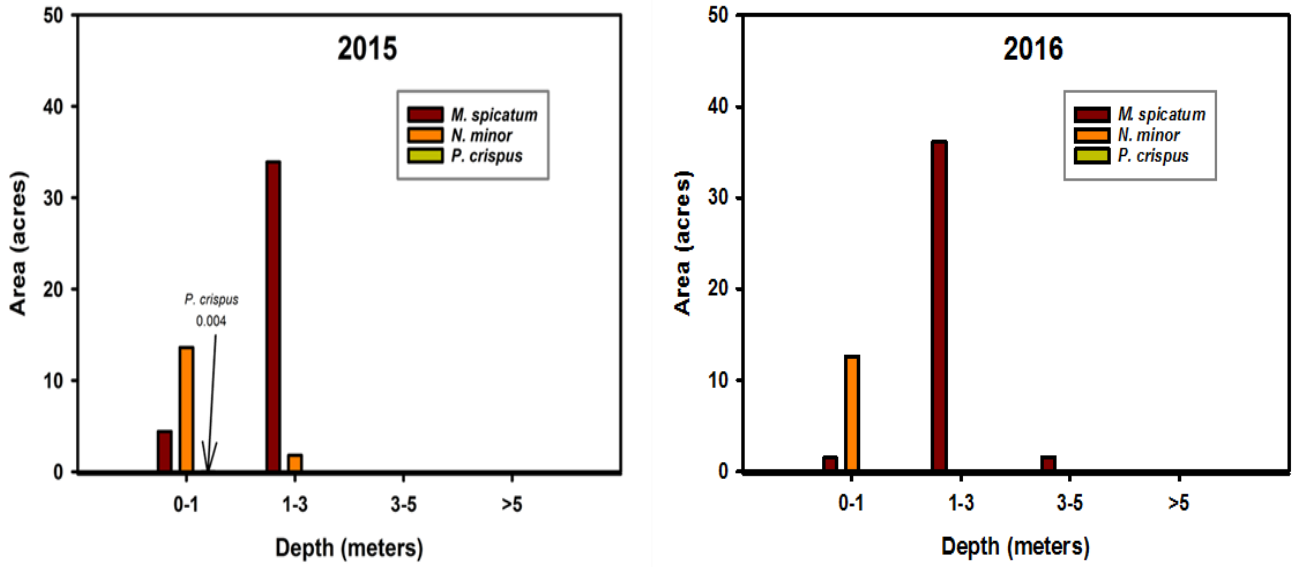


Figure 15. Comparisons of depth preferences of invasive plants in Squantz Pond.

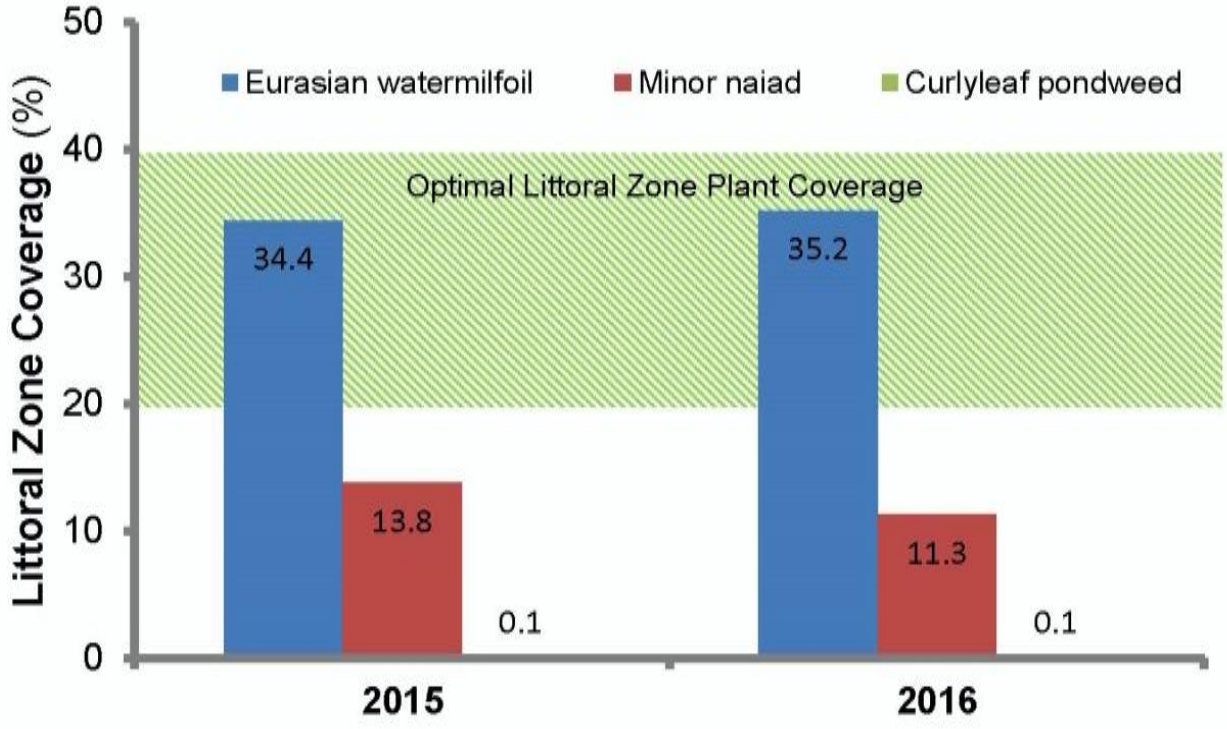
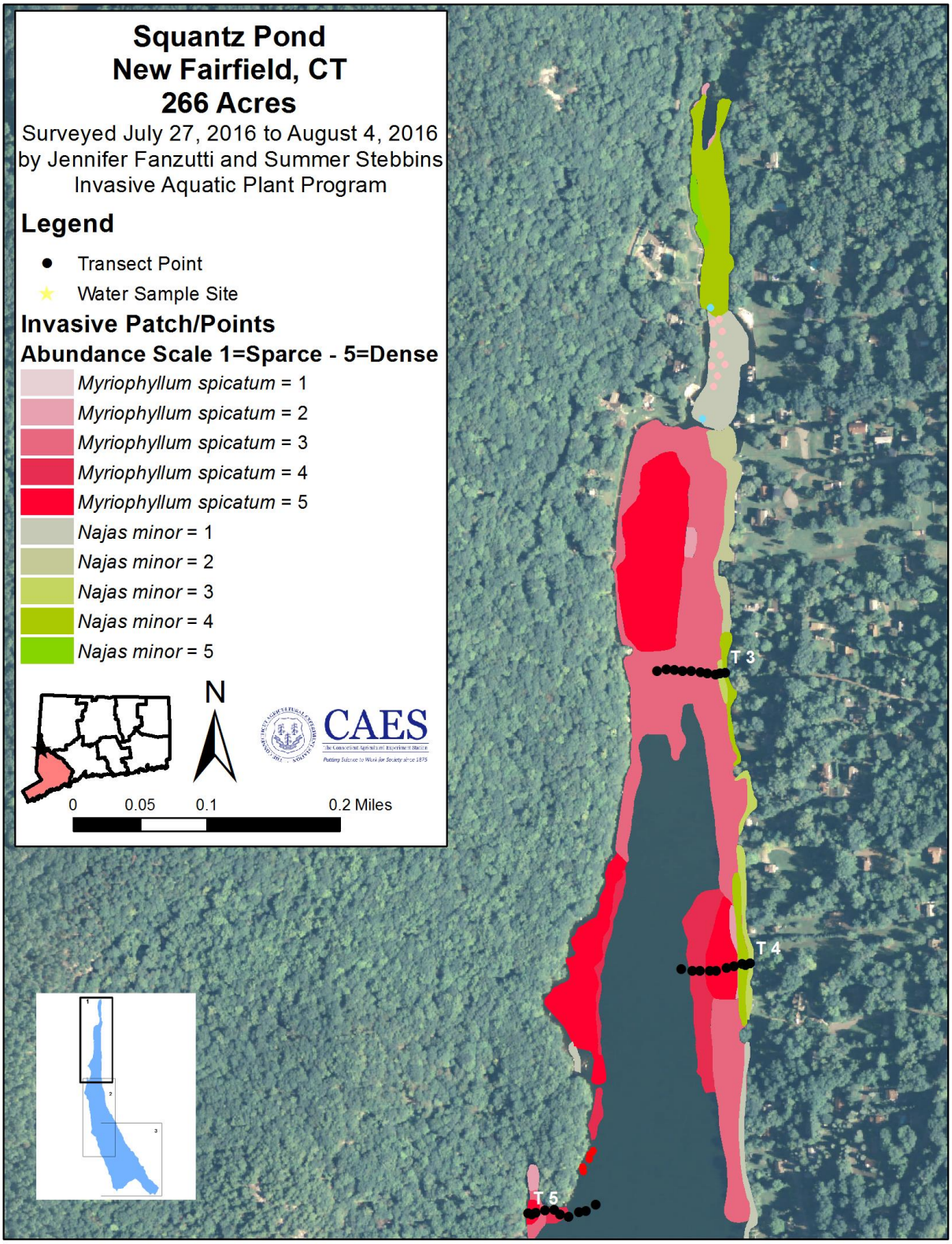


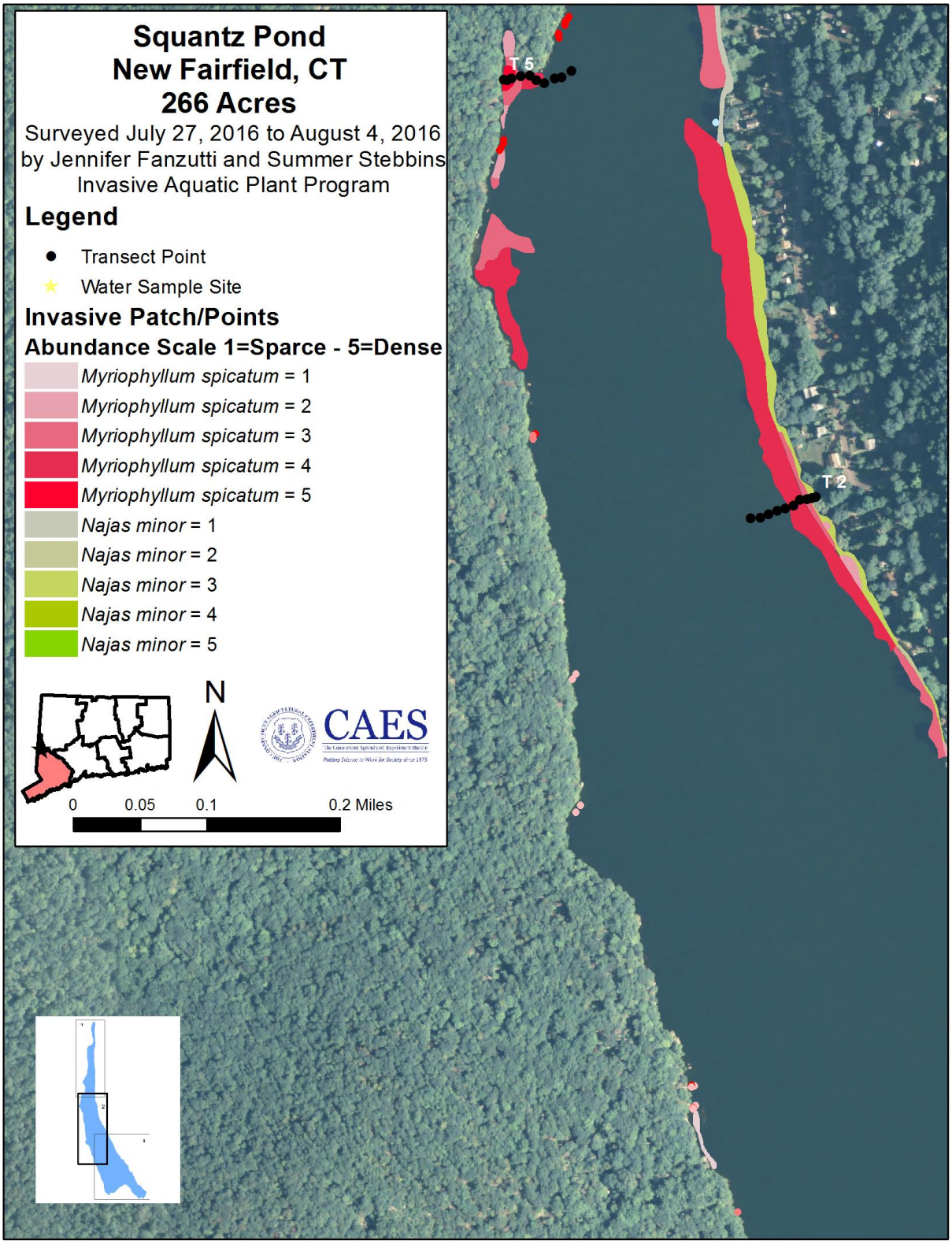
Figure 16. Littoral zone coverage of invasive aquatic plants in Squantz Pond.

The FO of any species was not statistically different between 2015 (80%) and 2016 (82%) but greater than 2011 (48%). Any (native + invasive) and invasive species richness was similar in 2015 and 2016 but significantly greater than 2011 (± 1.0 SEM, Figure 14). Native species richness, however, was similar in all years (range 0.4 – 0.6). These findings are consistent with the large increase in Eurasian watermilfoil quantified in the frequency of occurrence data.

Most Eurasian watermilfoil in Squantz Pond (39 acres) was located at a depth of 1 – 3m with a small amount at a depth of 0 - 1 m (1.5 acres) and 3 – 5 m (1.5 acres) (Figure 15). We found all minor naiad (13 acres) and curlyleaf pondweed (<0.01 acre) at a depth between 0 - 1 m in 2016. This showed little change from 2015 and is similar to Candlewood Lake.

Squantz Pond has a littoral zone of 111 acres or 42% of its total area. Eurasian watermilfoil covered 35% of the littoral zone in 2016 and was nearly identical to the 34% coverage found in 2015 (Figure 16). Minor naiad littoral zone coverage decreased slightly to 11.3% in 2016 from 13.8% in 2015. Curlyleaf pondweed covered less than 0.1% in both 2016 and 2015. The optimal range littoral plant zone coverage of 20 - 40% (Jacobs and O'Donnell 2002) is satisfied by Eurasian watermilfoil alone. The grass carp introduction into Lake Candlewood may reduce the littoral zone plant coverage in Squantz Pond as the connection under the Route 39 causeway offers no barriers to migration of the fish between waterbodies.


Squantz Pond
New Fairfield, CT
266 Acres
Surveyed July 27, 2016 to August 4, 2016
by Jennifer Fanzutti and Summer Stebbins
Invasive Aquatic Plant Program
Legend
Transect Point
Water Sample Site
Invasive Patch/Points
Abundance Scale 1=Sparce - 5=Dense
Myriophyllum spicatum = 1
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Myriophyllum spicatum = 5
Najas minor = 1
Najas minor = 2
Najas minor = 3
Najas minor = 4
Najas minor = 5
N
CAES
0
0.05
0.1
0.2 Miles
T 3
T 4
T 5


Squantz Pond
New Fairfield, CT
266 Acres
Surveyed July 27, 2016 to August 4, 2016
by Jennifer Fanzutti and Summer Stebbins
Invasive Aquatic Plant Program
Legend
Transect Point
Water Sample Site
Invasive Patch/Points
Abundance Scale 1=Sparce - 5=Dense
Myriophyllum spicatum = 1
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Myriophyllum spicatum = 5
Najas minor = 1
Najas minor = 2
Najas minor = 3
Najas minor = 4
Najas minor = 5
N
CAES
0
0.05
0.1
0.2 Miles
T 5
T 2

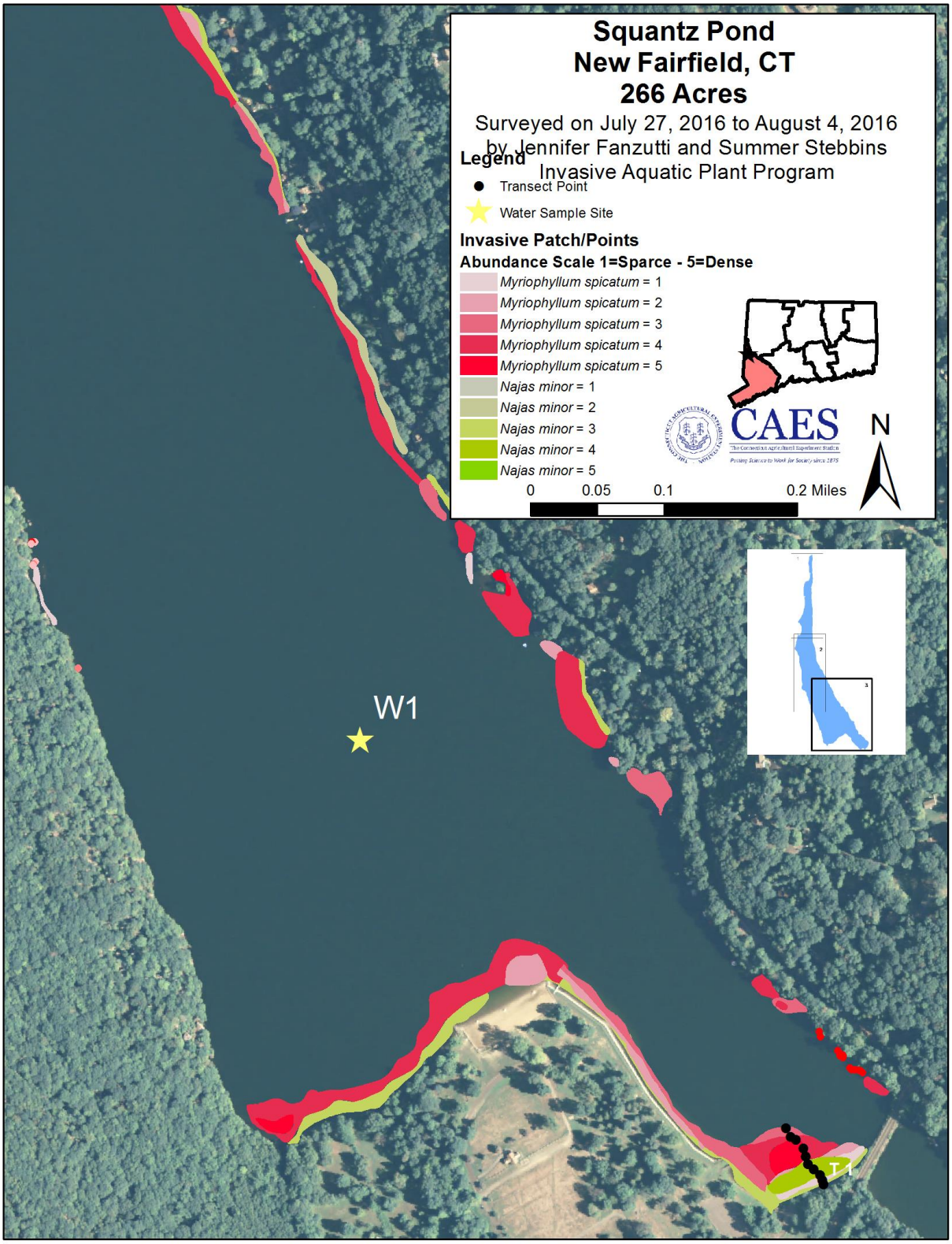

Squantz Pond
New Fairfield, CT
266 Acres
Surveyed on July 27, 2016 to August 4, 2016
by Jennifer Fanzutti and Summer Stebbins
Invasive Aquatic Plant Program
Legend
Transect Point
Water Sample Site
Invasive Patch/Points
Abundance Scale 1=Sparce - 5=Dense
Myriophyllum spicatum = 1
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Myriophyllum spicatum = 5
Najas minor = 1
Najas minor = 2
Najas minor = 3
Najas minor = 4
Najas minor = 5
CAES
N
0
0.05
0.1
0.2 Miles
W1
T1

Table 7. The frequency of occurrence and area of aquatic plants in Lake Zoar.

		Frequency of Occurrence (percent *)										Area (acres)					
Scientific Name	**Common Name**	**2007**	**2008**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2007**	**2008**	**2010**	**2012**	**2014**	**2016**
Ceratophyllum demersum	Coontail	3	4	23	15	7	6	9	8	26	46	ND**	ND	ND	ND	ND	ND
Elatine species	Waterwort	0	0	0	0	0	0	0	0	0	4	ND	ND	ND	ND	ND	ND
Elodea nuttallii	Waterweed	6	7	7	23	0	1	2	1	9	22	ND	ND	ND	ND	ND	ND
Ludwigia species	Primrose-willow	0	0	0	0	1	0	1	0	0	0	ND	ND	ND	ND	ND	ND
Marsilea quadrifolia	**European waterclover**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**<0.1**	**0.2**	**0.3**	**0.3**	**ND**	**0.3**
Myriophyllum spicatum	**Eurasian watermilfoil**	**35**	**37**	**33**	**49**	**18**	**15**	**49**	**24**	**24**	**35**	**63**	**70**	**85**	**85**	**33**	**23**
Najas flexilis	Nodding waternymph	2	1	4	2	2	0	0	0	2	0	ND	ND	ND	ND	ND	ND
Najas minor	**Minor naiad**	**18**	**18**	**16**	**24**	**8**	**17**	**21**	**10**	**16**	**33**	**33**	**13**	**12**	**34**	**1.6**	**23**
Peltandra virginica	Green arrow arum	0	0	0	0	1	0	1	1	0	0	ND	ND	ND	ND	ND	ND
Potamogeton crispus	**Curlyleaf pondweed**	**6**	**10**	**7**	**7**	**1**	**9**	**5**	**2**	**5**	**17**	**21**	**4**	**12**	**17**	**26**	**62**
Potamogeton epihyrdus	Ribbonleaf pondweed	0	0	2	0	0	0	0	0	0	1	ND	ND	ND	ND	ND	ND
Potamogeton foliosus	Leafy pondweed	2	0	0	4	1	0	6	0	0	9	ND	ND	ND	ND	ND	ND
Potamogeton praelongus	White stem pondweed	0	0	1	1	0	0	0	0	0	0	ND	ND	ND	ND	ND	ND
Potamogeton perfoliatus	Clasping leaf pondweed	0	0	0	0	0	0	0	0	0	1	ND	ND	ND	ND	ND	ND
Potamogeton pusillus	Small Pondweed	0	0	0	0	0	0	0	0	0	9	ND	ND	ND	ND	ND	ND
Potamogeton zosteriformis	Flatstem pondweed	0	0	0	3	2	0	0	0	2	0	ND	ND	ND	ND	ND	ND
Sagittaria species	Arrowhead	0	0	0	0	0	0	1	0	1	2	ND	ND	ND	ND	ND	ND
Stuckenia pectinata	Sago pondweed	3	0	0	0	0	0	12	0	2	1	ND	ND	ND	ND	ND	ND
Vallisneria americana	Eel grass	8	6	15	6	9	11	2	13	12	28	ND	ND	ND	ND	ND	ND
Zosterella dubia	Water stargrass	1	1	0	0	0	3	2	2	0	15	ND	ND	ND	ND	ND	ND
Total Invasive Species Richness		**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**						
Total Native Species Richness		7	5	6	7	7	4	9	5	7	11						
Total Species Richness		10	8	9	10	10	7	12	8	10	14						

Invasive plant (in bold)

* Percent occurrence on 100 points in 10 transects

** Not Determined

Lake Zoar

Our 2016 invasive aquatic plant survey of Lake Zoar confirmed the presence of invasive Eurasian watermilfoil, curlyleaf pondweed, minor naiad, and European waterclover as well as 11 native species (Table 7, Figure 17). The invasive species are the same as found in previous years. The 11 native species observed in 2016 was the highest number yet. Found for the first time in 2016 were clasping leaf pondweed (*Potamogeton perfoliatus*), small pondweed (*Potamogeton pusillus*), and waterwort (*Elatine sp.*). Ribbonleaf pondweed (*Potamogeton epihydrus*) had not been found since 2009, and leafy pondweed (*Potamogeton foliosus*) had not been found since 2013. We also recorded large increases in native coontail (*Ceratophyllum demersum*) and eel grass (*Vallisneria americana*).

We saw a decrease in the acreage of Eurasian watermilfoil from 33 acres in 2014 to 23 acres in 2016 (Figure 17). These reductions are almost certainly the result of the targeted herbicide treatments (Figures 2, 20). Eurasian watermilfoil acreages in previous surveys ranged from 63 to 85 acres. Minor naiad acreage spiked to 23 acres in 2016 from 1.6 acres in 2014 making 2016 more similar to previous years (range 12 - 34 acres). Curlyleaf pondweed covered 62 acres in 2016 representing a dramatic increase from all previous years (range 0.2 -

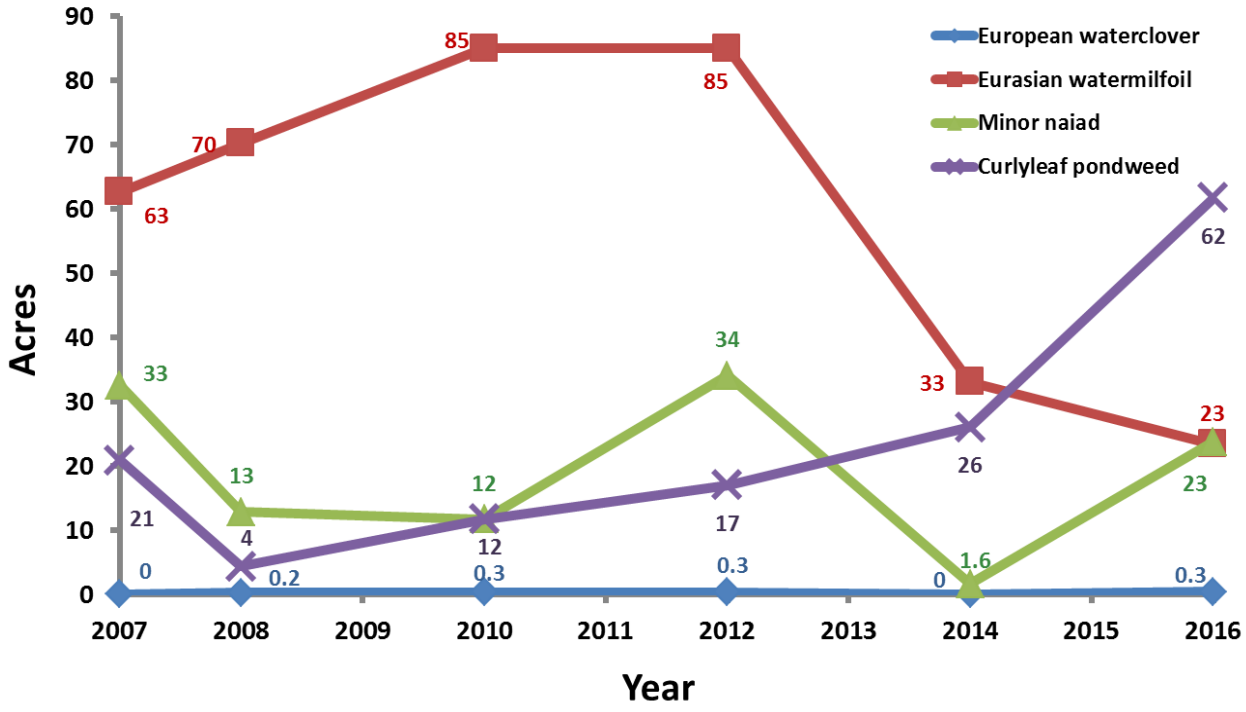


Figure 17. Yearly changes in the acreage of invasive aquatic plants in Lake Zoar.

26 acres). We found 0.3 acres of European waterclover in 2016, which falls with the range of 0 – 0.3 acres found in previous years. Because European waterclover occurs in water less than 1 m deep, fluctuations in lake level can prevent us from accessing the site and likely accounts for the years when we are reporting zero.

Our 2016 transect data showed the frequency of occurrence (FO) of Eurasian watermilfoil was 35% (Table 7, Figure 18). Previous years ranged from 15 – 49% and the 2016 data were not statistically different from any other year ($p \leq 0.05$). The FO of minor naiad reached an all-time high of 33% in 2016 (previous range 8 - 24%) but was only statistically different from 2011 (8%). Curlyleaf pondweed FO also reached an all-time high of 17% in 2016 and was statistically different from all previous years (range 1% -10%). Because transects are only analyzed during the summer after most curlyleaf pondweed has senesced, there is an inherent bias toward underestimation of this species in our data. The FO of any species (native + invasive) was 68% in 2016 and statistically greater ($p \leq 0.05$) than 2007, 2011, 2012, and 2014. Changes in FO of the plant community along transects in Lake Zoar were likely influenced by the herbicide application and fluctuating water levels.

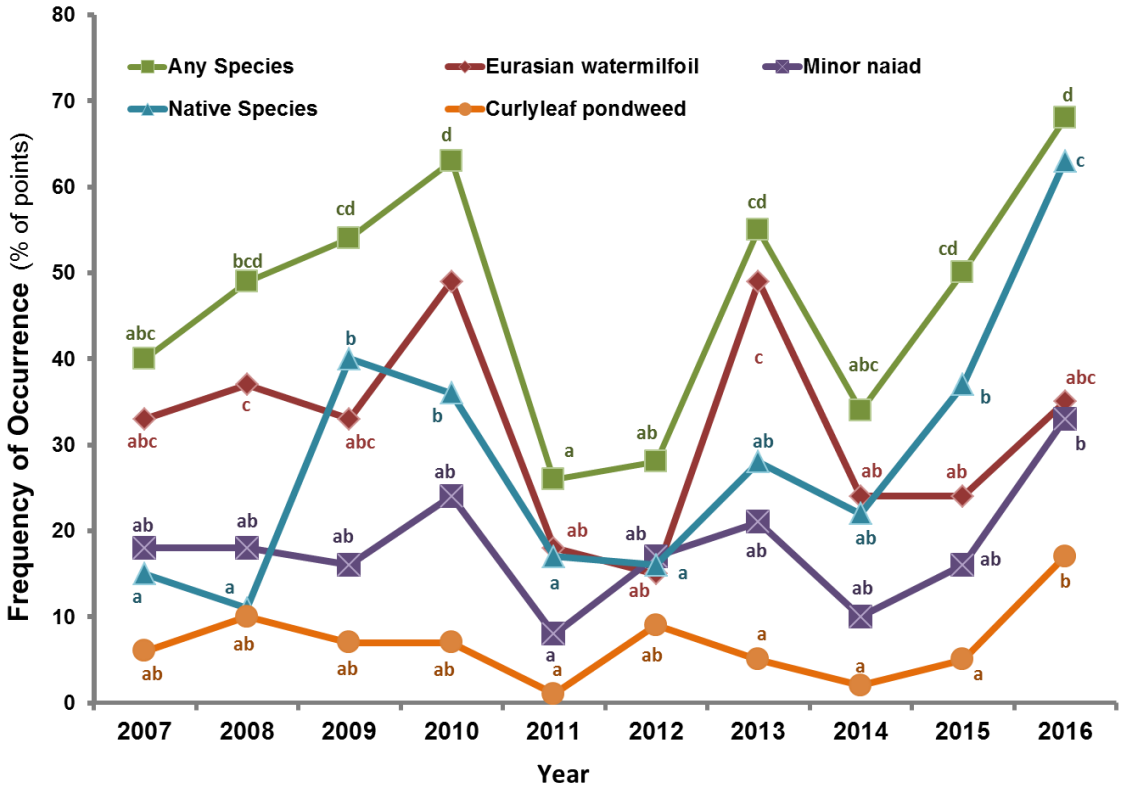


Figure 18. Yearly comparisons of the frequency of native and invasive plants on transects in Lake Zoar. Bars with the same letters are not significantly different.

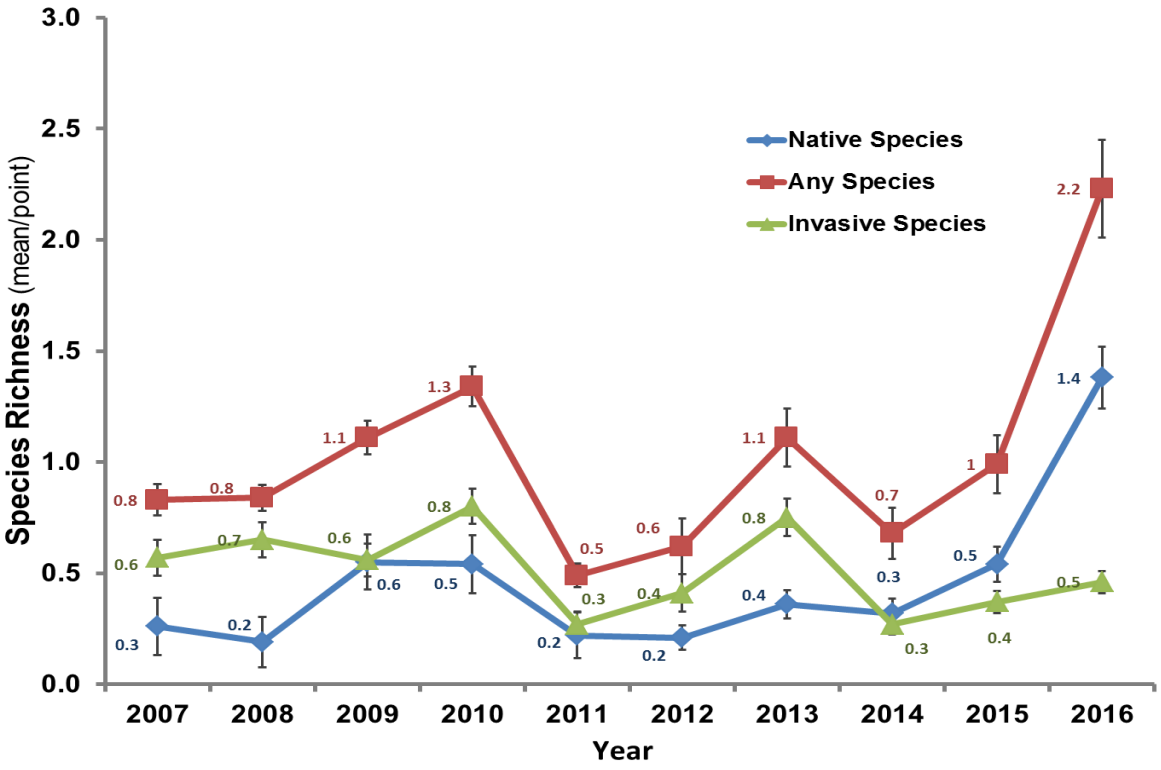


Figure 19. Yearly comparisons of the average number of species per transect point in Lake Zoar. Error bars +/- one standard error of the mean.

Table 8. Yearly comparison of the number and size of invasive patches and their sizes in Lake Zoar.

	Patch Size (acres)															
	Eurasian watermilfoil				Minor naiad				Curlyleaf pondweed				European waterclover			
Year	Number	(min)	(max)	(mean)	Number	(min)	(max)	(mean)	Number	(min)	(max)	(mean)	Number	(min)	(max)	(mean)
2016	117	0.0002	3.8	0.2	100	0.0002	6.3	0.2	112	0.0002	25.1	0.6	13	0.0002	0.2	0.028
2014	102	0.0002	8.9	0.3	11	0.0002	0.7	0.1	72	0.0002	4.3	0.4	0	0.0000	0.000	0.000
2012	200	0.0002	24.3	0.4	138	0.0002	5.9	0.3	79	0.0002	3.5	0.2	74	0.0002	0.097	0.003
2010	399	0.0002	24.4	0.2	141	0.0002	4.1	0.1	116	0.0002	4.2	0.1	44	0.0002	0.087	0.006
2008	309	0.0002	19.8	0.2	130	0.0002	4.3	0.1	211	0.0002	1.4	0.0	23	0.0002	0.048	0.014
2007	252	0.0002	26.5	0.2	103	0.0002	11.4	0.3	49	0.0002	9.4	0.4	2	0.0002	0.000	0.000

Table 9. Yearly comparison of the abundance of invasive patches in Lake Zoar.

	Patch Abundance (1 = sparse - 5 = dense)											
	Eurasian watermilfoil			Minor naiad			Curlyleaf pondweed			European waterclover		
Year	(min)	(max)	(mean)	(min)	(max)	(mean)	(min)	(max)	(mean)	(min)	(max)	(mean)
2016	1	5	2.1	1	5	2.4	1	5	2.2	1	5	3
2014	1	5	2.0	1	5	2.4	1	5	2.2	0	0	0.0
2012	1	5	1.8	1	5	2.1	1	4	1.8	1	5	2.0
2010	1	5	2.0	1	5	2.4	1	4	2.1	2	5	4.0
2008	1	4	1.7	1	4	2.1	1	4	1.9	2	4	3.1
2007	1	4	1.8	1	5	3.5	1	4	2.2	3	4	3.5

The species richness of any species in 2016 was 2.2 (Figure 19) which was significantly greater (± 1 SEM) than all previous years (range 0.5 -1.3). Invasive species richness in 2016 was 0.5 which placed the year in the middle of the previous year's ranges (0.3 - 0.8). Native species richness was 1.4 in 2016. This was significantly greater than all previous years (range of 0.2 - 0.6). The increases of native species could be attributed to the decrease in competition from Eurasian watermilfoil caused by the herbicide treatments.

We found 117 patches of Eurasian watermilfoil in our 2016 survey (Table 8). This falls within the range of 102 - 399 present in the previous surveys. The largest patch was 3.8 acres and located in the northern portion of the lake opposite from transect 4 (Map 1, Page 46). This largest patch has the least acreage of any previous year (range 9 - 26 acres). The 2016 mean patch size of 0.2 remained consistent with past surveys (range 0.2 – 0.4). Mean patch abundance of Eurasian watermilfoil in 2016 was 2.1 (Table 9). This was the highest we have recorded in any year (previous range 1.7 – 2.0). Our 2016 survey found 100 patches of minor naiad which is within the previous year's highly variable range of 11 – 141. Minor naiad had

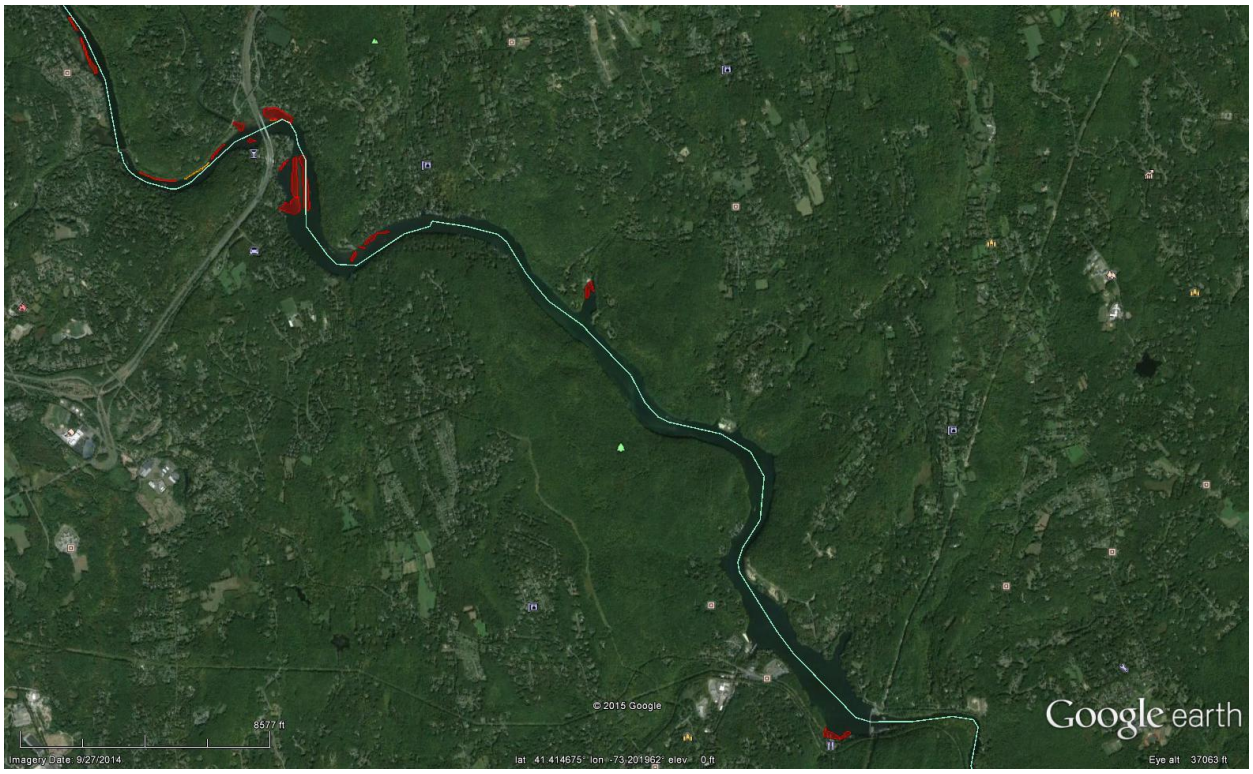


Figure 20. Areas of Lake Zoar treated with herbicide to control Eurasian watermilfoil in 2016. Maps courtesy of SOLITUDE Lake Management Inc.

Figure 21. European waterclover (*Marsilea quadrifolia*) in Lake Zoar in 2016.

a mean patch size of 0.2 acres in 2016. This fell within the range of past years (0.1 - 0.3). The largest patch of minor naiad was 6.3 acres located in the northern portion of the lake on the western shore between transects 3 and 4 (Map 1, Page 46). Mean minor naiad patch abundance in 2016 was 2.4 and was within the narrow range of previous years (2.1 - 3.5). Minor naiad could increase as a result of the herbicide treatments because this plant is a seed borne annual. Areas were Eurasian watermilfoil has been reduced could be prime locales for dormant seeds in the sediment to sprout or waterborne seeds to fall to the hydrosoil and germinate.

There were 112 patches of curlyleaf pondweed in 2016 (Table 8) which falls within the wide range of 49 – 211 patches found in previous years. We found the largest patch, covering 25 acres, during our spring surveillance. It was located on the western shore in between transects 1 and 2 (Map 2, Page 47). During our summer survey the patch had senesced and was no longer visible. The largest patch found during our summer survey was 1.5 acres and located on the western shore of the northern section of the lake across from transect 4 (Map 1, Page 46). Curlyleaf pondweed mean patch size was 0.6 acres in 2016 and the highest among all years at (previous range 0.0 - 0.4). Mean patch abundance of curlyleaf pondweed in 2016 was 2.2 and fell within the narrow range of previous years (1.8 – 2.2). Curlyleaf pondweed could be increasing due to the reduction in Eurasian watermilfoil caused by the herbicide treatment. Most curlyleaf pondweed will not be controlled by the summer milfoil treatment because it has senesced and is dormant in the sediment as herbicide resistant turions and rhizomes (Bugbee et al. 2015).

We found 13 patches of European waterclover (Table 8, Figure 21) in 2016. The number of patches has varied widely from year to year (range 0 - 74) in part due to surveyor inaccessibility when water levels are low. Thus it is difficult to discern changes over time but it appears this plant is not spreading. Mean patch size, although very small, reached a new high of 0.03 acres (previous range 0 - 0.01). The mean abundance of European waterclover was 3.0 in 2016 (Table 9) and fell within the middle of its previous range (0 – 4).

The depth preference of Eurasian watermilfoil has been similar throughout all years with most occurring at depths of 0-1 and 1 - 3 m (Figure 22). In previous years, most minor naiad preferred depths of 0 - 1 m. In 2016, 14 acres occurred at the 0-1 m depth while nine acres was found at a depth of 1 - 3 m. This may indicate a progression of the plant deeper into the

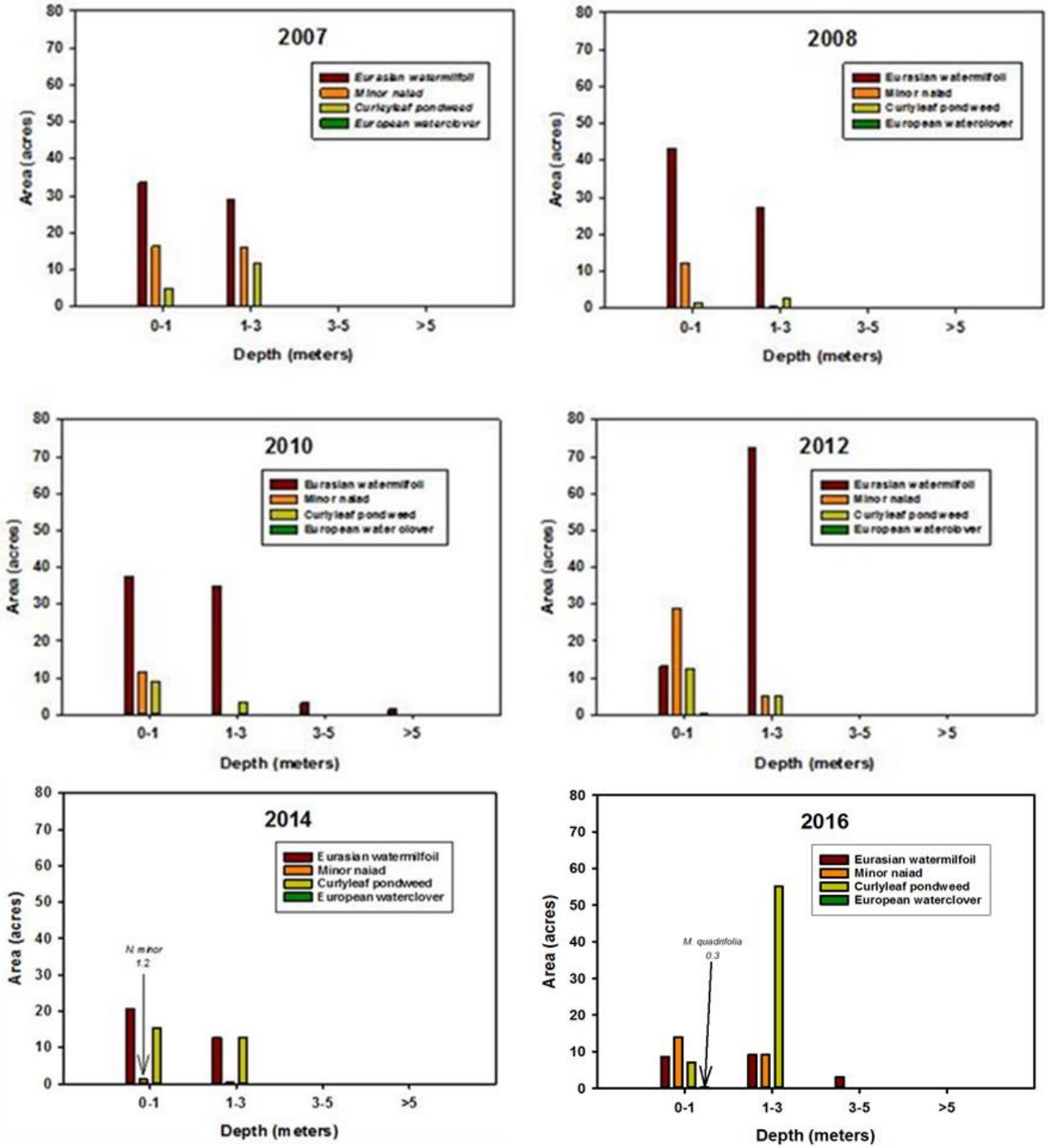


Figure 22. Yearly comparison of the depth preferences of invasive species in Lake Zoar.

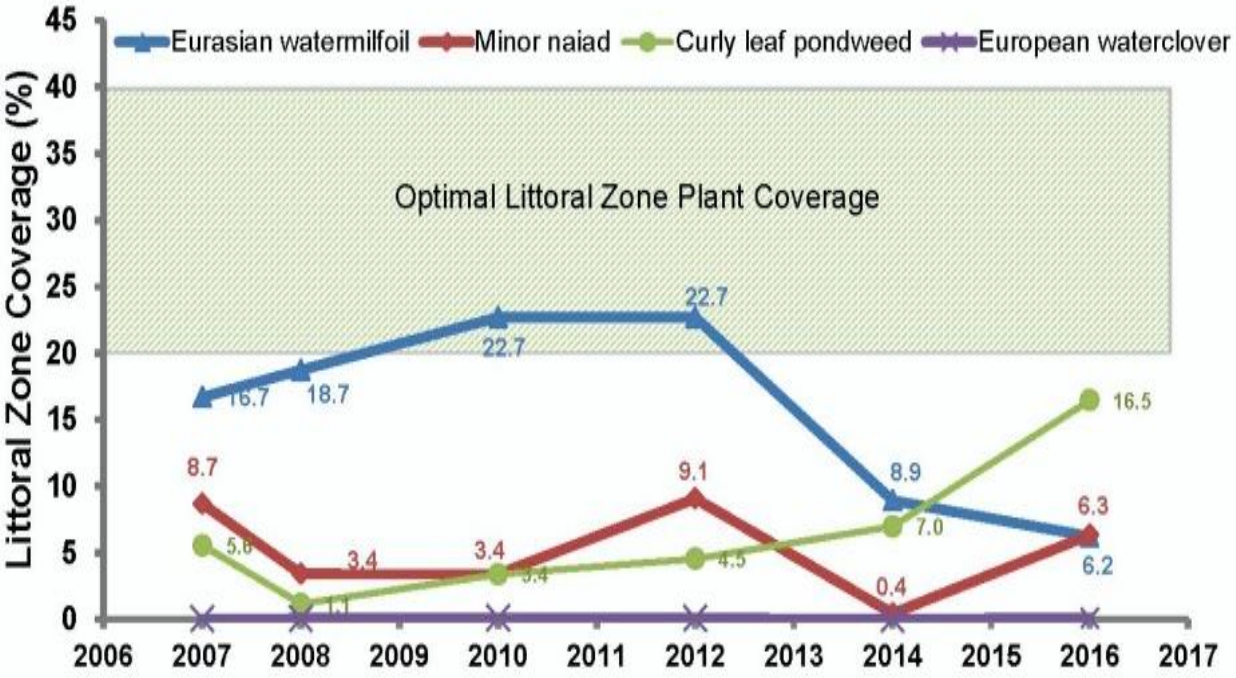


Figure 23. Yearly comparison of the coverage of the littoral zone by invasive species in Lake Zoar.

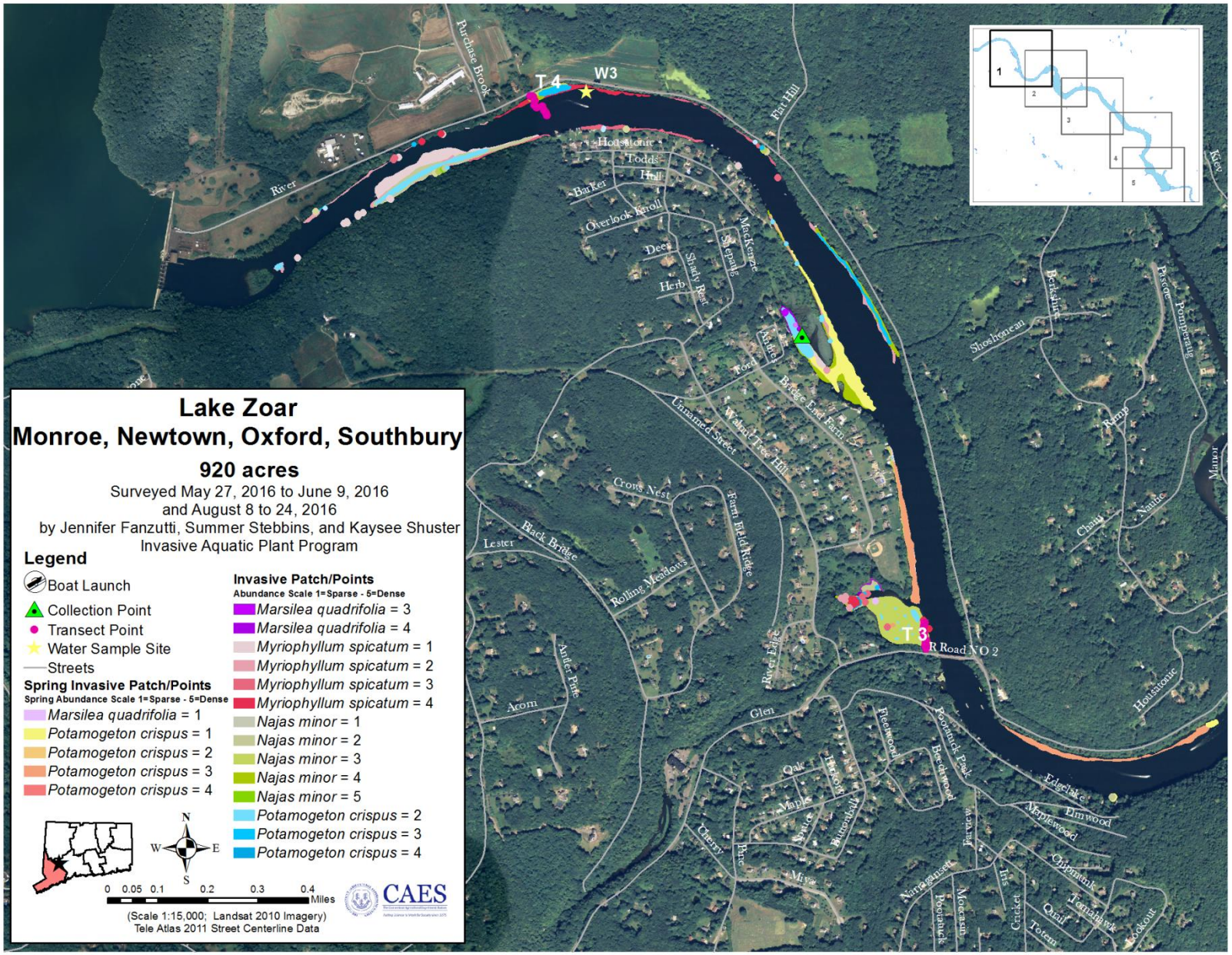
lake. Curlyleaf pondweed had two nearly equal depth preference of 0 - 1 m (7 acres) and 1 - 3 m (55 acres) while European waterclover was limited to depths of 0 - 1 m.

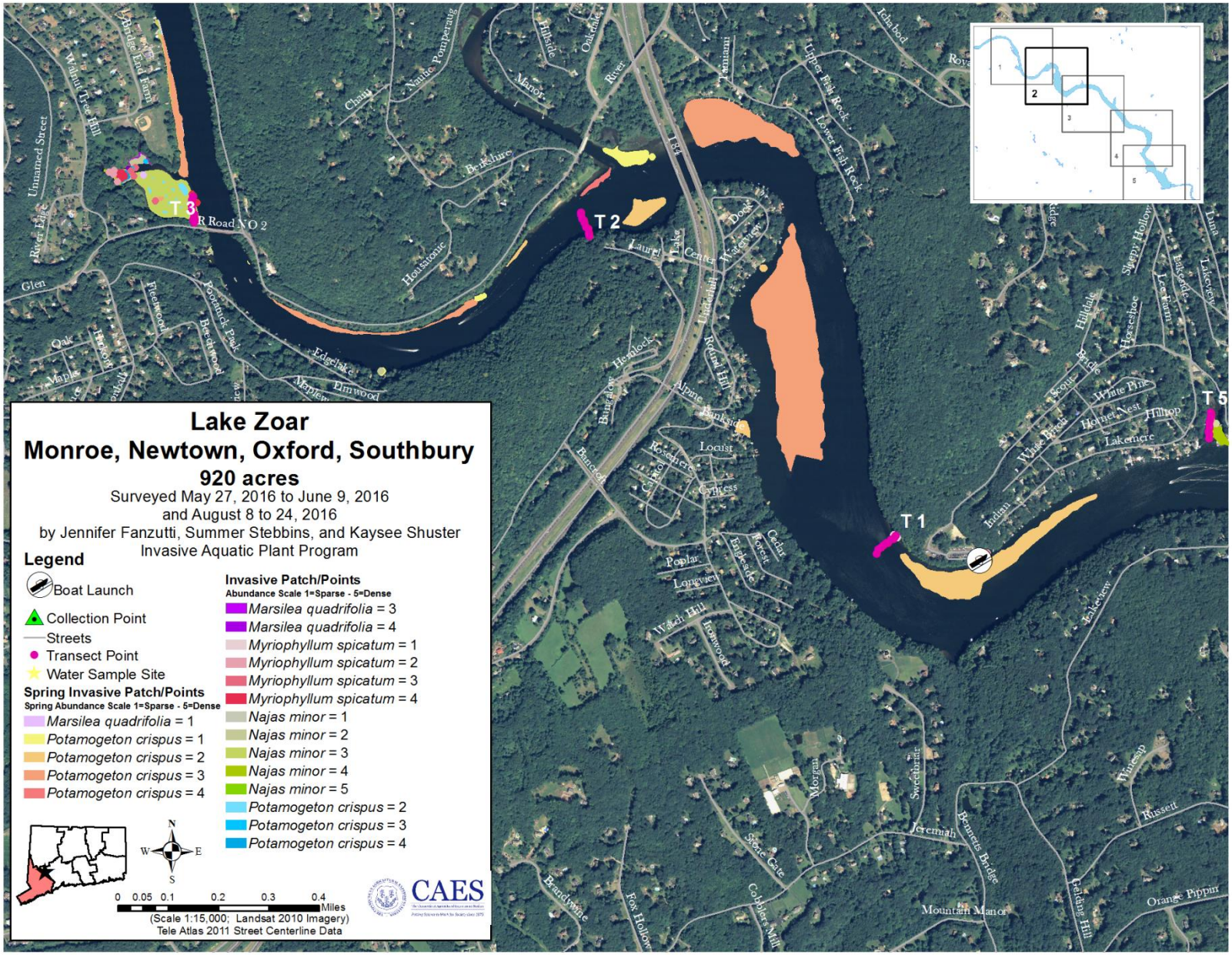
Lake Zoar's littoral zone is 375 acres or 41% of the lake's area. Eurasian watermilfoil decreased its littoral zone coverage to 6.2% in 2016 from 8.9% in 2014 (Figure 23) probably because of the herbicide treatment. Minor naiad substantially increased its littoral zone coverage from 0.4 % in 2014 to 6.3% in 2016, and returned to a coverage similar to 2007 – 2013 (3.4% - 9.1%). Curlyleaf pondweed littoral zone coverage in Lake Zoar totaled 16.5% and was more than double any previous year (range 1.1 % - 7.0%). European waterclover covered 0.1% of the littoral zone in 2016 and is consistent will all years except for 2014 when none was recorded.

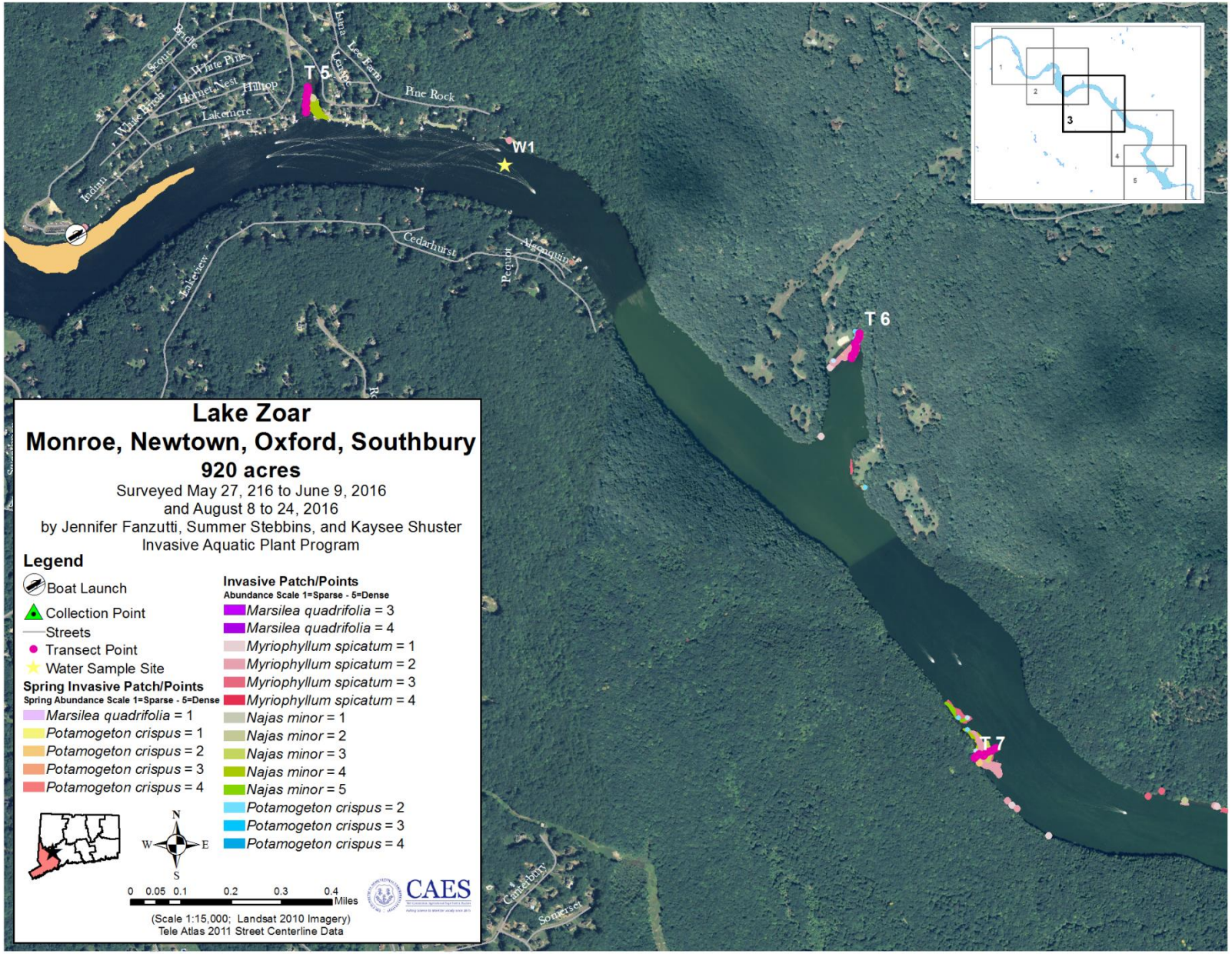
Littoral zone coverage of the combined invasive species likely falls just under the 20 - 40% range considered optimal for lakes (Jacobs and O'Donnell, 2002). Low water levels and turbulence during flood events are likely to influence plant communities making it difficult to predict future trends.

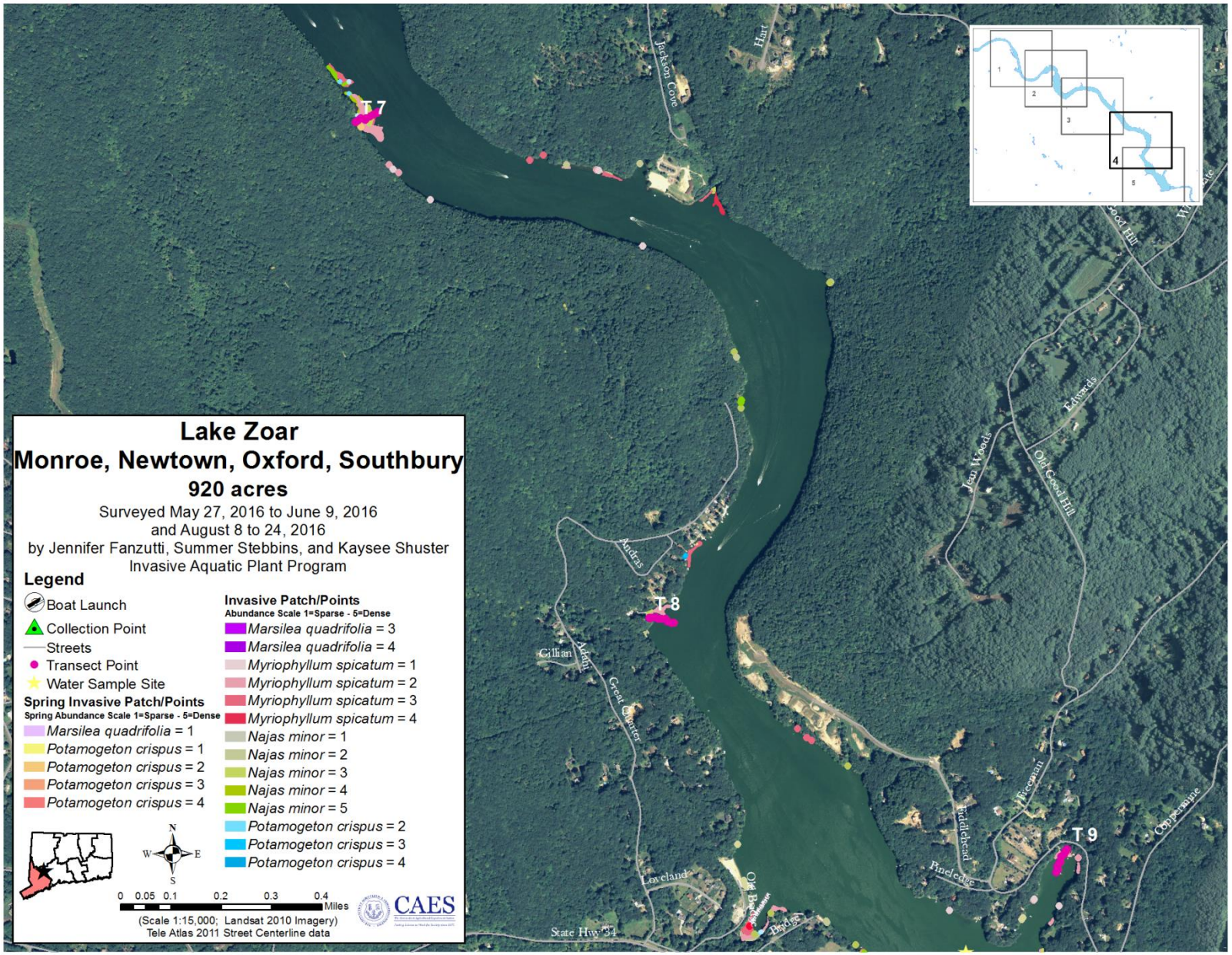
Figure 24. Zebra mussels growing on plants in Lake Zoar in 2016.

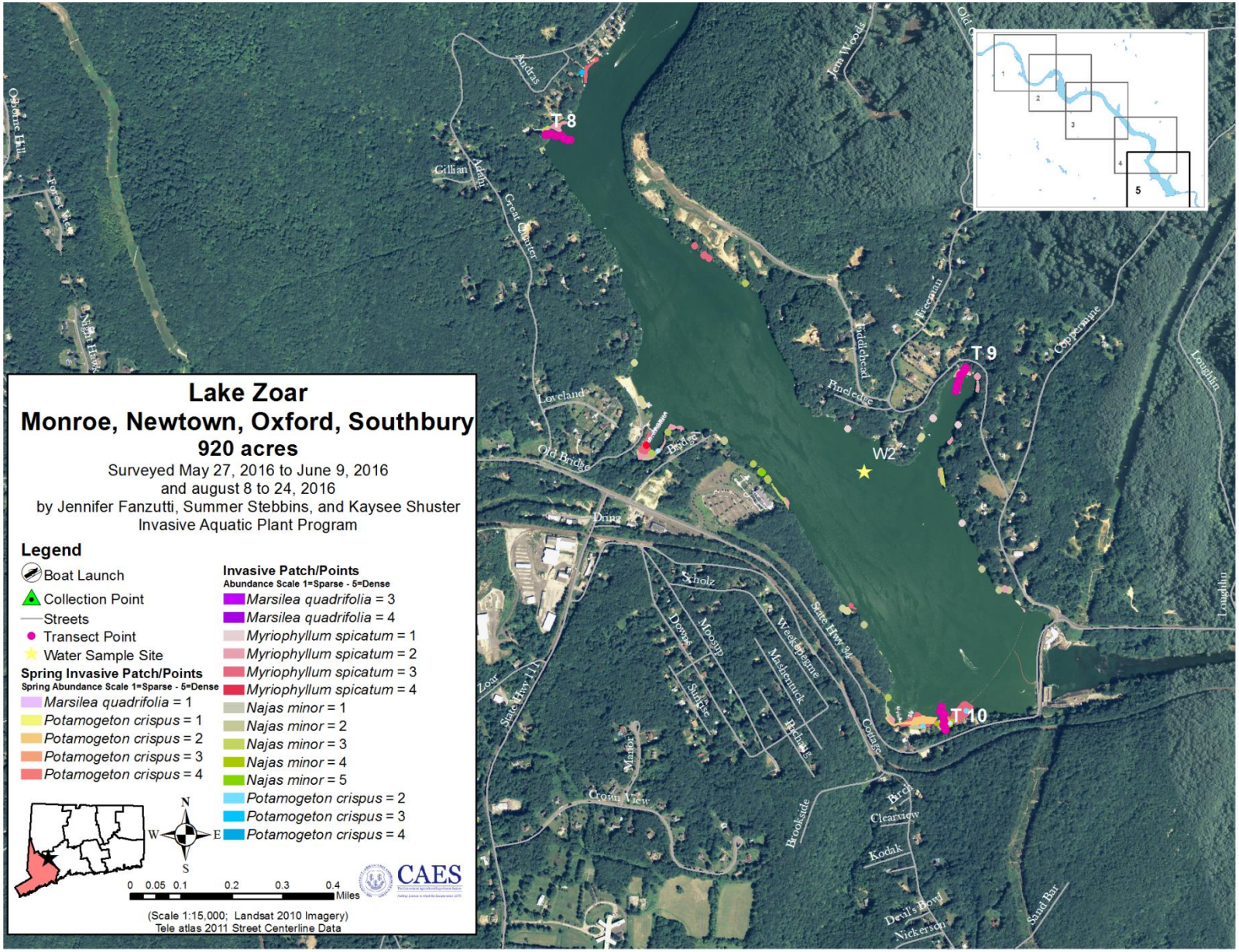
Dense stands of Eurasian watermilfoil were treated with the herbicide Reward® (diquat) by SOLITUDE Lake Management Inc. on July 15 (Figure 20). The application rate was 1 - 2 gallons per acre depending on depth and treatment area configuration. Treatment occurred in areas that contained transects T2, T3, T6, and T10 (Maps 1 and 2, pages 46 and 47). Reward® is a nonselective contact herbicide that rapidly defoliates most vegetation in and around treated areas. Because roots are not directly affected, regrowth can begin within weeks. Our early September transect data likely reflected some regrowth but not the plant species richness and abundance that would have occurred without treatment. As previously stated, there is a possibility that some of the increases in desirable native species in Lake Zoar are attributed to the yearly herbicide treatments. As in 2015, we found zebra mussels attached to plants in Lake Zoar in 2016 (Figure 24) that could be beginning to hinder plant growth.


Lake Zoar
Monroe, Newtown, Oxford, Southbury
920 acres
Surveyed May 27, 2016 to June 9, 2016
and August 8 to 24, 2016
by Jennifer Fanzutti, Summer Stebbins, and Kaysee Shuster
Invasive Aquatic Plant Program
Legend
Boat Launch
Collection Point
Transect Point
Water Sample Site
Streets
Spring Invasive Patch/Points
Spring Abundance Scale 1=Sparse - 5=Dense
Marsilea quadrifolia = 1
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
Potamogeton crispus = 4
Invasive Patch/Points
Abundance Scale 1=Sparse - 5=Dense
Marsilea quadrifolia = 3
Marsilea quadrifolia = 4
Myriophyllum spicatum = 1
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Najas minor = 1
Najas minor = 2
Najas minor = 3
Najas minor = 4
Najas minor = 5
Potamogeton crispus = 2
Potamogeton crispus = 3
Potamogeton crispus = 4
N
W
E
S
0 0.05 0.1 0.2 0.3 0.4 Miles
CAES
(Scale 1:15,000; Landsat 2010 Imagery)
Tele Atlas 2011 Street Centerline Data
T 4
W3
T 3
Purchase Brook
River
Far Hill
Housatonic
Todds Hill
Barker
Overlook Knoll
Deep
Shady Rest
Herb
MacKenzie
Sepaug
Shoshonean
Berkshire
Pascoe
Pomperaug
Ridge
Manor
Nanlise
Chain
Ford
Bridge End Farm
Unnamed Street
Walnut Tree Hill
Crows Nest
Farm Field Ridge
Lester
Black Bridge
Rolling Meadows
Antler Pate
Acorn
River Edge
Glen
Oak
Maple
Spruce
Hemlock
Hillcrest
Cherry
Pine
Myra
Pinewood
Beechwood
Paddock Peak
Edgelake
Elmwood
Maplewood
Chipmunk
Tomahawk
Lookout
Quail
Totem
Cricket
Ivis
Mohican
Pequanock
Nanagansett
Road No 2


Lake Zoar
Monroe, Newtown, Oxford, Southbury
920 acres
Surveyed May 27, 2016 to June 9, 2016
and August 8 to 24, 2016
by Jennifer Fanzutti, Summer Stebbins, and Kaysee Shuster
Invasive Aquatic Plant Program
Legend
Boat Launch
Collection Point
Streets
Transect Point
Water Sample Site
Spring Invasive Patch/Points
Spring Abundance Scale 1=Sparse - 5=Dense
Marsilea quadrifolia = 1
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
Potamogeton crispus = 4
Invasive Patch/Points
Abundance Scale 1=Sparse - 5=Dense
Marsilea quadrifolia = 3
Marsilea quadrifolia = 4
Myriophyllum spicatum = 1
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Najas minor = 1
Najas minor = 2
Najas minor = 3
Najas minor = 4
Najas minor = 5
Potamogeton crispus = 2
Potamogeton crispus = 3
Potamogeton crispus = 4
N
W
E
S
0 0.05 0.1 0.2 0.3 0.4
Miles
(Scale 1:15,000; Landsat 2010 Imagery)
Tele Atlas 2011 Street Centerline Data
CAES
T 1
T 2
T 3
T 5
Road NO 2
Unnamed Street
Walnut Tree Hill
Bridge End Farm
Chalk
Native Pomperaug
Hillside
Oakdale
Manor
River
Berkshire
Upper Fish Rock
Lower Fish Rock
Ichabod
Roys
Dock
Wagerview
Laurel
Lake
Center
Hurlbutt
Rocky Hill
Bungalow
Hemlock
Alpine
Bankside
Locust
Rosemere
Cypress
Cedar
Forest
Eaglecrest
Poplar
Longview
Watch Hill
Ironwood
Indian
Lakemere
Hillop
Hornet Nest
White Pine
Whites Brook
Scout
Hilldale
Horseshoe
Lee Farm
Sleepy Hollow
Lakeside
Lakeview
Luna
Glen
River Edge
Oak
Maple
Fleetwood
Pocatuck Peak
Beechwood
Edgelake
Elmwood
Houstonic
Brandywine
Fox Holow
Stone Gate
Cobblers Mill
Mountain Manor
Morgan
Sweethunter
Jeremiah
Bennetts Bridge
Feldene Hill
Russett
Orange Pippin
Pinesap


Lake Zoar
Monroe, Newtown, Oxford, Southbury
920 acres
Surveyed May 27, 216 to June 9, 2016
and August 8 to 24, 2016
by Jennifer Fanzutti, Summer Stebbins, and Kaysee Shuster
Invasive Aquatic Plant Program
Legend
Boat Launch
Collection Point
Streets
Transect Point
Water Sample Site
Spring Invasive Patch/Points
Spring Abundance Scale 1=Sparse - 5=Dense
Marsilea quadrifolia = 1
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
Potamogeton crispus = 4
Invasive Patch/Points
Abundance Scale 1=Sparse - 5=Dense
Marsilea quadrifolia = 3
Marsilea quadrifolia = 4
Myriophyllum spicatum = 1
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Najas minor = 1
Najas minor = 2
Najas minor = 3
Najas minor = 4
Najas minor = 5
Potamogeton crispus = 2
Potamogeton crispus = 3
Potamogeton crispus = 4
N
W
E
S
0 0.05 0.1 0.2 0.3 0.4 Miles
CAES
(Scale 1:15,000; Landsat 2010 Imagery)
Tele Atlas 2011 Street Centerline Data
T 5
T 6
T 7
W1
Pine Rock
Lake Zoar
Cedarhurst
Algonquin
Pequot
Lakeview
Canterbury
Somerset
Indian
White Birch
Hornet Nest
Hilltop
Lakemere
White Pine
Scout
Bridle
Lee Farm
Lenape
1
2
3
4
5


Lake Zoar
Monroe, Newtown, Oxford, Southbury
920 acres
Surveyed May 27, 2016 to June 9, 2016
and August 8 to 24, 2016
by Jennifer Fanzutti, Summer Stebbins, and Kaysee Shuster
Invasive Aquatic Plant Program
Legend
Boat Launch
Collection Point
Streets
Transect Point
Water Sample Site
Spring Invasive Patch/Points
Spring Abundance Scale 1=Sparse - 5=Dense
Marsilea quadrifolia = 1
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
Potamogeton crispus = 4
Invasive Patch/Points
Abundance Scale 1=Sparse - 5=Dense
Marsilea quadrifolia = 3
Marsilea quadrifolia = 4
Myriophyllum spicatum = 1
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Najas minor = 1
Najas minor = 2
Najas minor = 3
Najas minor = 4
Najas minor = 5
Potamogeton crispus = 2
Potamogeton crispus = 3
Potamogeton crispus = 4
N
W
E
S
0 0.05 0.1 0.2 0.3 0.4
Miles
(Scale 1:15,000; Landsat 2010 Imagery)
Tele Atlas 2011 Street Centerline data
CAES
T 7
T 8
T 9
Jackson Cove
Hart
Andras
Gillian
Adam
Great Quarter
Loveland
Old Bridge
Bridge
State Hwy 34
Jem Woods
Edwards
Old Good Hill
Good Hill
Fiddlehead
Fiveman
Pineledge
Coppermine


Lake Zoar
Monroe, Newtown, Oxford, Southbury
920 acres
Surveyed May 27, 2016 to June 9, 2016
and august 8 to 24, 2016
by Jennifer Fanzutti, Summer Stebbins, and Kaysee Shuster
Invasive Aquatic Plant Program
Legend
Boat Launch
Collection Point
Streets
Transect Point
Water Sample Site
Spring Invasive Patch/Points
Spring Abundance Scale 1=Sparse - 5=Dense
Marsilea quadrifolia = 1
Potamogeton crispus = 1
Potamogeton crispus = 2
Potamogeton crispus = 3
Potamogeton crispus = 4
Invasive Patch/Points
Abundance Scale 1=Sparse - 5=Dense
Marsilea quadrifolia = 3
Marsilea quadrifolia = 4
Myriophyllum spicatum = 1
Myriophyllum spicatum = 2
Myriophyllum spicatum = 3
Myriophyllum spicatum = 4
Najas minor = 1
Najas minor = 2
Najas minor = 3
Najas minor = 4
Najas minor = 5
Potamogeton crispus = 2
Potamogeton crispus = 3
Potamogeton crispus = 4
N
W
E
S
0 0.05 0.1 0.2 0.3 0.4
Miles
CAES
(Scale 1:15,000; Landsat 2010 Imagery)
Tele atlas 2011 Street Centerline Data
T 8
T 9
T 10
W2
Andras
Gillian
Great Quarter
Loveland
Old Bridge
Bridge
Dring
Scholz
Downs
Moosup
Weekepegme
Mashentuck
Sunrise
Pinehaug
State Hwy 34
State Hwy 111
Cottage
Manor
Crown View
Brookside
Birch
Clearview
Kodak
Devil's Bowl
Nickerson
Sand Bar
Jem Woods
Freeman
Fiddlehead
Pineledge
Coppermine
Loughlin
Zoar
Osborne Hill
Forest View
Night Hawk

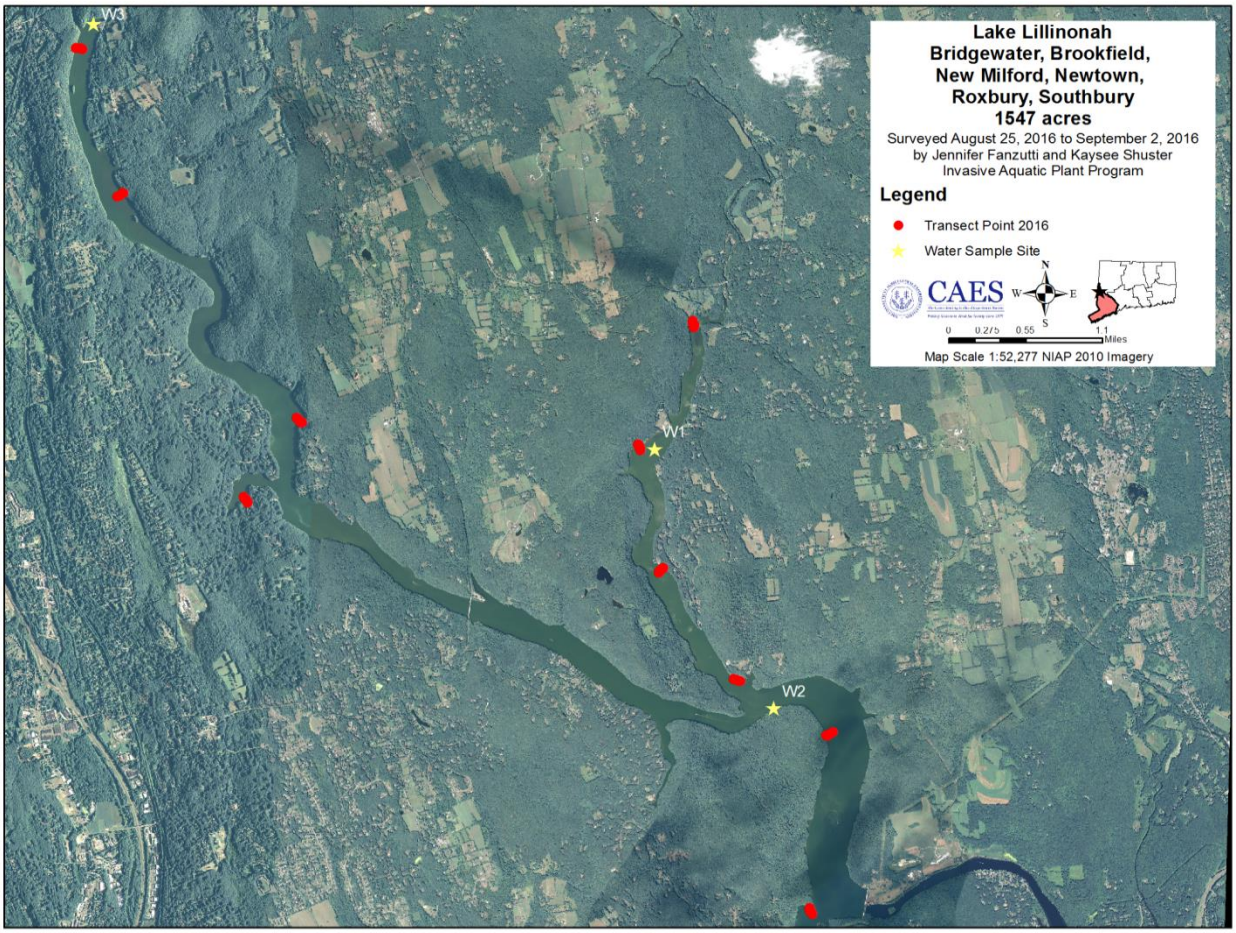


Figure 25. Locations of transects and water sampling sites in Lake Lillinonah.

Lake Lillinonah

Conforming to the FERC approved alternate year cycle of whole lake then transect only surveys for Lakes Lillinonah and Zoar, only transect data was obtained from Lake Lillinonah in 2016 (Figure 25). The invasive species found on Lake Lillinonah's transects were Eurasian watermilfoil, minor naiad, and curlyleaf pondweed (Table 10). These were the same invasive species found in our previous surveys. There was a rise in the 2016 frequency of occurrence (FO) of Eurasian watermilfoil to 39% from 31% in 2015 (Table 10, Figure 24). This ties 2012 for the highest among all years but is only significantly greater ($p \leq 0.05$) than 2007, 2009 and 2011. Minor naiad was found on 14% of transect points and this falls within the range of 5% - 21% in previous years. The 2016 frequency of occurrence of curlyleaf pondweed increased to 5% in 2016 from 2%

Table 10. Yearly comparisons of the frequency of occurrence and total area of aquatic vegetation in Lake Lillinonah.

		Frequency of Occurrence (percent*)									Area (acres)				
Scientific Name	**Common Name**	**2007**	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2007**	**2009**	**2011**	**2013**	**2015**
Callitiche sp.	Water starwort	1	0	0	0	0	0	0	0	0	ND**	ND	ND	ND	ND
Ceratophyllum demersum	Coontail	0	1	3	5	2	4	10	6	21	ND	ND	ND	ND	ND
Elatine sp.	Waterwort	0	0	2	1	0	4	2	2	0	ND	ND	ND	ND	ND
Eleocharis sp.	Spikerush	2	4	4	4	0	3	4	3	0	ND	ND	ND	ND	ND
Elodea nuttallii	Western waterweed	0	0	0	0	0	0	0	4	5	ND	ND	ND	ND	ND
Eriocaulon aquaticum	Sevenangel pipewort	0	1	2	3	0	0	0	0	0	ND	ND	ND	ND	ND
Gratiola aurea	Golden hedge-hyssop	0	1	0	0	0	0	0	0	0	ND	ND	ND	ND	ND
Lemna minor	Duckweed	0	1	0	0	4	0	0	0	0	ND	ND	ND	ND	ND
Ludwigia species	Primrose-willow	0	0	0	0	0	1	1	0	0	ND	ND	ND	ND	ND
Myriophyllum spicatum	**Eurasian watermilfoil**	**16**	**15**	**25**	**12**	**39**	**35**	**25**	**31**	**39**	**21**	**19**	**36**	**90**	**72**
Najas minor	**Minor naiad**	**14**	**6**	**5**	**12**	**19**	**7**	**21**	**14**	**14**	**8**	**1**	**11**	**8**	**15**
Potamogeton bicupulatus	Snailseed pondweed	0	3	0	0	0	0	0	0	0	ND	ND	ND	ND	ND
Potamogeton crispus	**Curlyleaf pondweed**	**3**	**0**	**1**	**5**	**4**	**1**	**3**	**2**	**5**	**0.1**	**<0.1**	**<0.1**	**<0.1**	**<0.1**
Potamogeton foliosus	Leafy pondweed	0	0	4	4	1	4	0	0	5	ND	ND	ND	ND	ND
Potamogeton illinoensis	Illinois pondweed	2	2	0	0	0	0	0	0	0	ND	ND	ND	ND	ND
Potamogeton nodosus	Longleaf pondweed	0	0	0	1	2	0	0	0	0	ND	ND	ND	ND	ND
Potamogeton perfoliatus	Clasping-leaf pondweed	0	0	0	0	0	0	0	0	1	ND	ND	ND	ND	ND
Potamogeton pusillus	Small pondweed	0	0	1	0	1	1	1	0	4	ND	ND	ND	ND	ND
Sagittaria sp.	Arrowhead	0	0	1	0	0	5	4	2	2	ND	ND	ND	ND	ND
Sparganium species	Bur-reed	0	0	0	0	0	0	0	0	1	ND	ND	ND	ND	ND
Stuckenia pectinata	Sago pondweed	0	0	0	1	0	0	0	0	0	ND	ND	ND	ND	ND
Trapa natans	**Water chestnut**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0.0**	**0.0**	**<0.1**	**<0.1**	**<0.1**
Zannichellia palustrus	Horned pondweed	1	0	4	1	0	3	3	2	0	ND	ND	ND	ND	ND
Zosterella dubia	Water stargrass	4	0	0	0	0	0	0	2	5	ND	ND	ND	ND	ND
Total Invasive Species Richness		**3**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**					
Total Native Species Richness		5	7	8	8	5	8	7	7	8					
Total Species Richness		8	9	11	11	8	11	10	10	11					
Invasive plant (in bold)															
* Percent occurrence on 100 points in 10 transects															
** Not Determined															

in 2015. This is the highest curlyleaf pondweed FO found in any year except 2011 when it was the same. We found eight native plant species on Lake Lillinonah's transects in 2016, which is an increase from 7 in both 2015 and 2014, but falls within the range of 5 –8 found previously (Table 10). Coontail (*Ceratophyllum demersum*) was the most commonly found native species on transects at 21% and this was the most coontail found in any year. Two new native species were found in 2016, bur-reed (*Sparganium sp.*)(1%) and clasping leaf pondweed (*Potamogeton perfoliatus*) (1%). Leafy pondweed (*Potamogeton foliosus*) was found for the first time since 2013.

Our transect data showed the frequency of occurrence (FO) of any species (native + invasive) was 44% in 2016 (Figure 24). This was statistically greater ($p \leq 0.05$) than 2011(22%) and 2009 (23%) but not different from the other years. Any species richness (native + invasive) in 2016 was 1.0. This was significantly greater (+/- 1 SEM) than all years except 2014 when it was 0.8. Native species FO was 26% in 2016 making the year statistically similar to the most recent years of 2009 - 2015 and greater than the earlier years of 2007 - 2012. Native

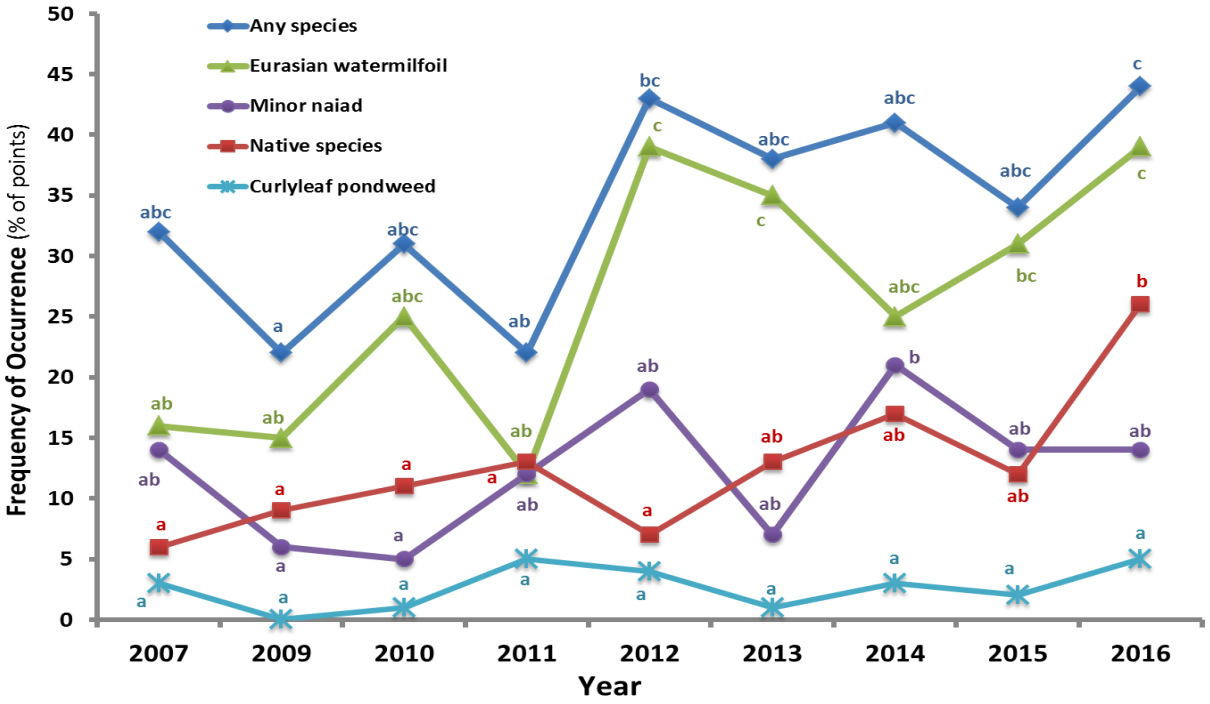


Figure 24. Yearly comparisons of the frequency of native and invasive plants on transects in Lake Lillinonah. Bars with the same letters are not significantly different.

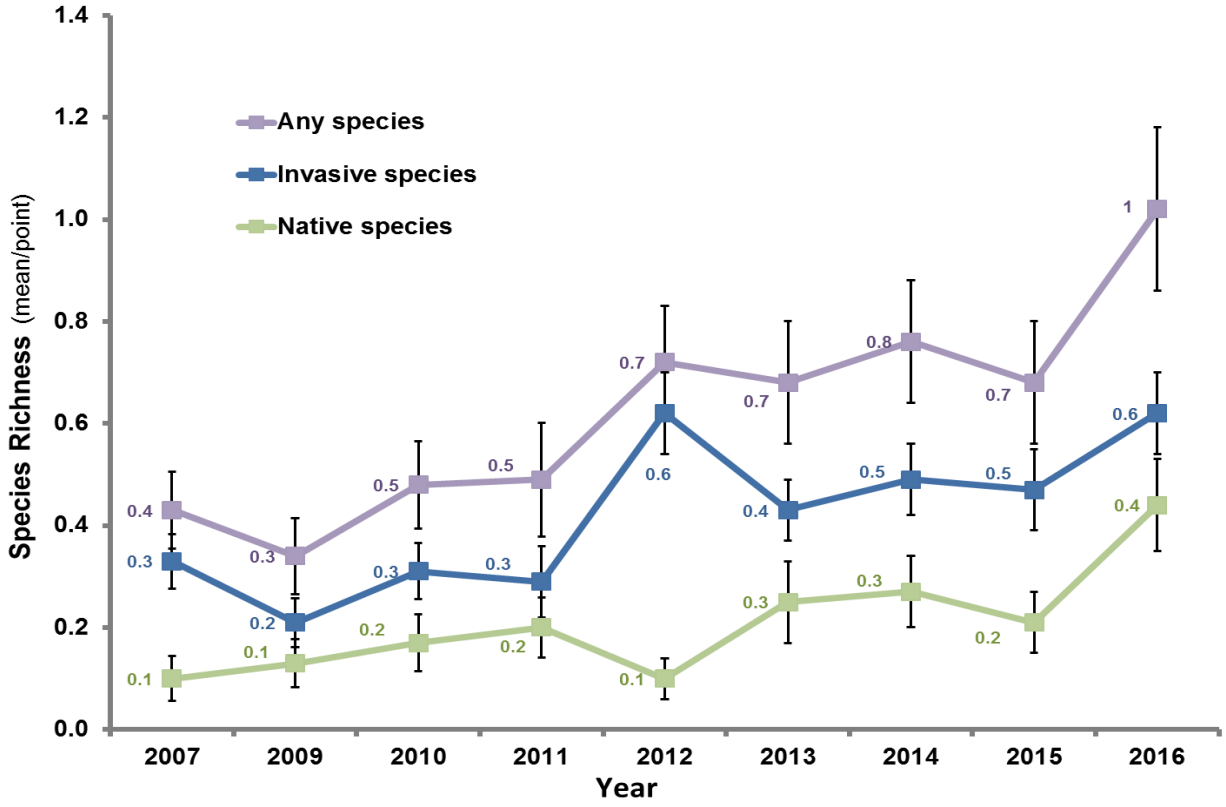


Figure 25. Yearly comparisons of number of species per transect point in Lake Lillinonah. Error bars equal +/- one standard error of the mean.

species richness was 0.4 in 2016 and statistically higher (+/-1 SEM) than any other year (Figure 25). The FO of Eurasian watermilfoil was 39% and statistically similar to 2012 – 2015 but greater than or equal to all previous years with the exception of 2010. Minor naiad's 2016 FO was 14%, making the year identical to 2015 and not statistically different from any other year (Table 10, Figure 24). Curlyleaf pondweed had a FO of 5% in 2016 and was also not statistically different than any other year (range 0 - 5%). Since curlyleaf pondweed grows primarily in the spring and senesces in summer, it may be underrepresented because the data was not collected during its period of optimum growth. Water chestnut was not found along any transects but was spotted in known locations elsewhere in the lake (Bugbee et al. 2013). Our surveyors noted volunteers hand pulling water chestnut. We noticed zebra mussels in Lake Lillinonah for the first time in 2016 (Figure 26).

Figure 26. Zebra mussels in Lake Lillinonah.

Changes in the native aquatic plant community in Lake Lillinonah are likely caused by high and low water levels associated with its riverine system and the generation of hydroelectric power. Zebra mussels attached to vegetation may also be adversely affecting plant growth.

Table 11. Water chemistry of Lakes Candlewood, Lillinonah, Zoar and Squantz Pond, 2016.

Lake	Site	Date	Latitude	Longitude	Depth (m)	Transparency Secchi (m)	Conductivity (µs/cm)	pH	Alkalinity (mg/L CaCO3)	Total P (ug/L)
Candlewood	W1	8/27/2016	41.53331	-73.44452	0.5	2.3	189	8.0	84	17
					12.7		203	6.7	107	74
	W2	8/27/2016	41.49221	-73.44981	0.5	2.2	188	7.8	84	16
					12.1		203	6.7	106	134
	W3	8/27/2016	41.55599	-73.47638	0.5	2.1	190	8.0	85	9
					13.9		223	6.6	121	249
	W4	8/27/2016	41.43568	-73.45602	0.5	2.4	190	7.8	84	16
					10.5		200	6.7	107	160
	W5	8/27/2016	41.45643	-73.43747	0.5	2.3	186	7.8	86	29
					10.2		199	6.7	99	38
Zoar	W1	8/25/2016	41.42975	-73.21987	0.5	1.6	259	7.5	130	23
					9.4		263	6.9	113	14
	W2	8/25/2016	41.38887	-73.17826	0.5	1.8	247	7.3	130	16
					13.3		257	6.9	123	82
	W3	8/25/2016	41.45328	-73.27951	0.5	2.9	278	7.0	143	14
					3.4		235	7.3	147	14
Lillinonah	W1	8/25/2016	41.49648	-73.32524	0.5	1.8	242	8.3	126	31
					5.5		243	8.2	119	48
	W2	8/25/2016	41.46912	-73.30850	0.5	1.6	259	8.5	129	20
					8.4		265	7.9	131	39
	W3	8/25/2016	41.54111	-73.40326	0.5	1.5	293	8.5	151	28
					2.2		293	8.3	143	39
Squantz	W1	8/4/2016	41.51504	-73.47832	0.5	2	133	6.9	47	9
					13.3		148	6.6	71	133

Comparisons of Water Chemistry

CAES IAPP has found the occurrence of invasive plants in lakes can be attributed to specific water chemistries (June-Wells et al. 2013). For instance, lakes with higher alkalinities and conductivities are more likely to support Eurasian watermilfoil, minor naiad and curlyleaf pondweed while lakes with lower values support fanwort (*Cabomba caroliniana*) and variable watermilfoil (*Myriophyllum heterophyllum*). All the lakes in this report fall into the former category. Zebra mussels also prefer water in the former category. Water chemistry may be altered when nutrients are utilized by plants. In addition, nutrients not used by plants can support the occurrence of nuisance algal blooms. At the conclusion of each lakes survey we perform water testing to compare conditions between lakes. Because these water tests are performed only once a year, they may not be indicative of conditions at other times. We obtain water clarity measurements most days we are surveying and thus can show changes over longer periods of time (Figure 27).

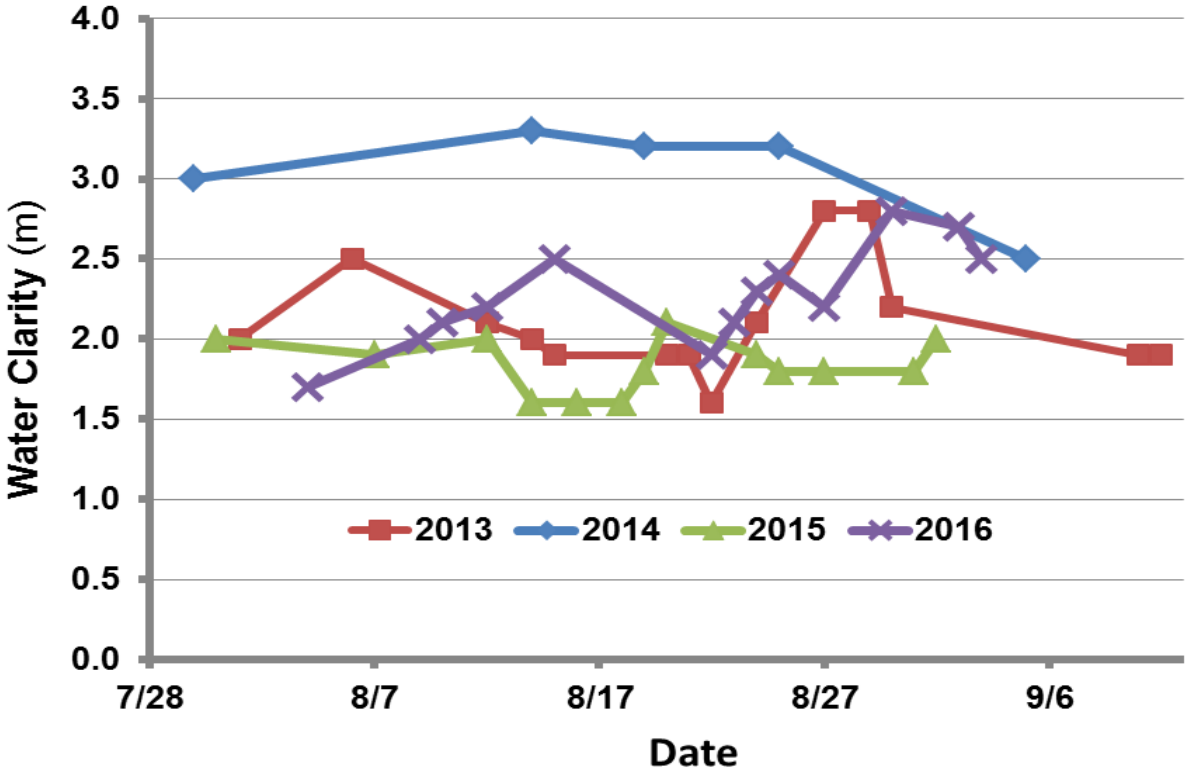


Figure 27. Water transparency in Candlewood Lake during our 2013, 2014, 2015, and 2016 CAES IAPP surveys.

On August 27, 2016 the water clarity of Candlewood Lake averaged 2.3 m (Table 11). Over the course of our survey water clarity varied between 1.7 and 2.8 m (Figure 27). In our 2015 report we suggested that summer water clarity is nearly 1 m less in deep drawdown years than in the shallow drawdown years and this could be related to the filtering action of increased vegetation. This did not occur in the shallow drawdown year of 2016 as water clarity was reduced to levels found in the deep drawdown years of 2013 and 2015. In Lake Lillinonah and Lake Zoar we recorded mean water clarity of 1.6 m and 2.1 m, respectively (Table 11). The Lake Zoar values ranged from 1.6 m to 2.9 m with the higher measurement at the northern part of the lake where Lake Lillinonah's bottom water (and likely clearer water) is entering. This same effect was noticed in our 2015 water tests (Bugbee and Fanzutti, 2016). Water clarities in Connecticut's lakes ranged from 0.3 - 10 m with an average of 2.3 m (CAES IAPP, 2017). Thus, the water clarity of Candlewood, Lillinonah and Zoar all rank below Connecticut's average.

Conductivity is an indicator of dissolved ions that come from natural and man-made sources (mineral weathering, organic matter decomposition, fertilizers, septic systems, road salts, etc.). The 2016 conductivity of Candlewood Lake ranged from 186 - 223 µS/cm with the highest levels in the bottom water (Table 11). This has likely increased from the early 1990's when the lake's conductivity ranged from 176 - 184 µS/cm (Canavan and Siver 1995). The conductivity of Lake Lillinonah ranged from 242 - 293 µS/cm while Lake Zoar's conductivity ranged from 235 - 278 µS/cm with little difference between the surface and bottom. Squantz Pond's 2016 conductivity was 133 µS/cm at the surface and 148 µS/cm at the bottom. A trend toward increasing conductivity from the head waters at Squantz Pond, through Lake Candlewood and downstream to Lakes Lillinonah and Zoar was less evident in 2016 than in previous years (Bugbee and Fanzutti 2016).

The pH of Candlewood Lake ranged from 6.6 - 8.0 with the highest levels at the surface (Table 11). Higher surface water pH is consistent with daytime removal of carbon dioxide by algae and aquatic plants. Lake Lillinonah's water pH fell within the range of 7.9 – 8.5 while Lake Zoar's ranged from 6.9 – 7.5. Both lakes had minimal pH differences between the surface and bottom water. This is likely due to greater mixing in their riverine environment. The pH of Squantz Pond was 6.9 at the surface and 6.6 near the bottom.

Alkalinities in Connecticut's lakes range from near 0 to over 170 mg/L $CaCO_3$ (CAES IAPP 2017, Canavan and Siver 1995, Frink and Norvell 1984). Candlewood Lake's surface alkalinity ranged from 84 - 86 mg/L and bottom water ranged from 99 - 130 mg/L. Lake Lillinonah's surface alkalinity ranged from 126 - 151 mg/L and bottom alkalinity ranged from 119 - 143 mg/L. Lake Zoar's surface and bottom water fell within a similar alkalinity range of 113 - 147 mg/L. The alkalinity of Squantz Pond was 47 mg/L at the surface and 71 mg/L near the bottom. As with conductivity, the increasing trend in alkalinity that we previously reported occurring downstream throughout the lakes was less evident in 2016.

A key parameter used to categorize a lake's trophic state is the concentration of phosphorus (P) in the water column. High levels of P can lead to nuisance or toxic algal blooms (Frink and Norvell 1984, Wetzel 2001). Rooted macrophytes are considered to be less dependent on P from the water column as they obtain a majority of their nutrients from the hydrosoil (Bristow and Whitcombe 1971). Lakes with P levels from 0 - 10 µg/L are considered nutrient-poor or oligotrophic. When P concentrations reach 15 - 25 µg/L, lakes are classified as moderately

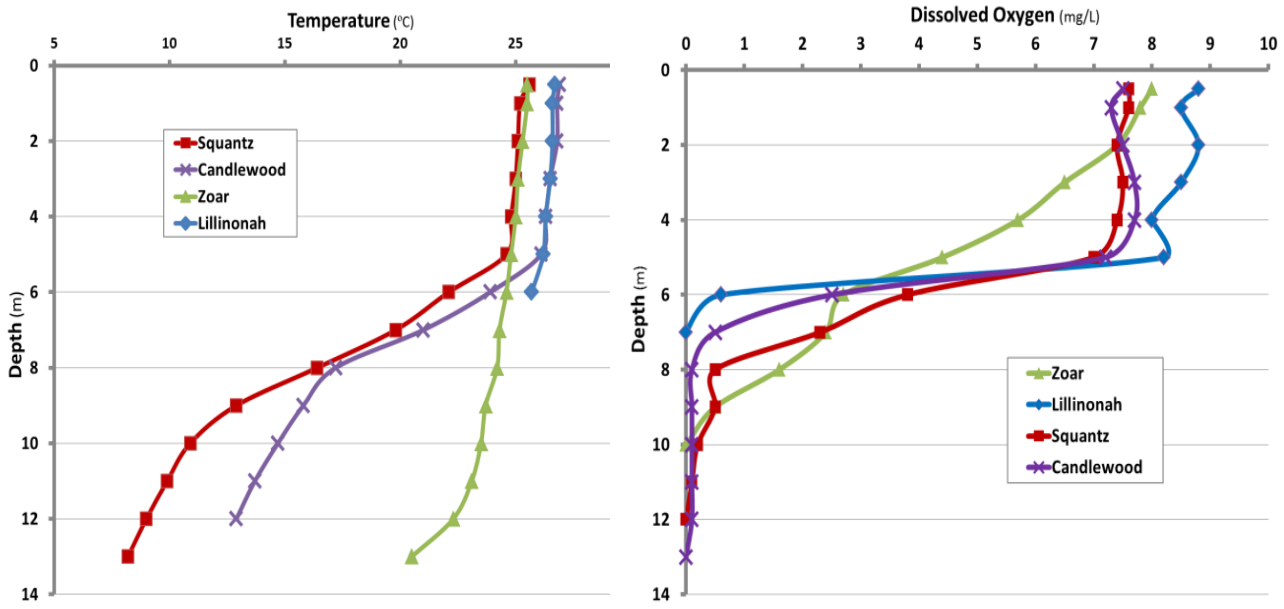


Figure 28. Temperature and dissolved oxygen profiles in Lakes Candlewood, Lillinonah, Zoar and Squantz Pond, 2016.

fertile or mesotrophic and when P reaches 30 - 50 µg/L they are considered fertile or eutrophic (Frink and Norvell, 1984). Lakes with P concentrations over 50 µg/L are categorized as extremely fertile of hypereutrophic. The P concentration in Candlewood Lake ranged from 9 - 29 µg/L at the surface to 38 - 249 µg/L at the bottom (Table 11). This partitioning of P between the surface and bottom water is common in the summer as anoxic conditions release P from the sediment (Norvell, 1974) and temperature stratification prevents vertical mixing. We found the highest P levels in Candlewood Lake's bottom water at the deepest sites W2 (Map 5, Page 24) and site W3 (Map 1, Page 20). Squantz Pond's P was 9 µg/L at the surface and 133 µg/L at the bottom. The P concentration in Lake Lillinonah's surface water ranged from 28 - 31 µg/L and bottom water ranged from 39 - 48 µg/L. Lake Zoar's surface water had P concentration from 14 - 23 µg/L and bottom water had a P concentration from 14 - 82 µg/L. Lake Lillinonah and Zoar's smaller difference in P concentrations between surface and bottom water, compared to Lake Candlewood and Squantz Pond, is probably due to shallower depth and greater mixing.

Summer dissolved oxygen profiles of the lakes showed well oxygenated conditions to a depth of approximately five meters (Figure 28). In Candlewood Lake and Squantz Pond severe anoxic (low dissolved oxygen) conditions occurred around 7 m while in Lake Lillinonah

Figure 29. Filamentous algal mats (left) and clumped unicellular algae (right) in Lake Lillinonah.

and Lake Zoar anoxic conditions were not as pronounced. Greater anoxia in Candlewood Lake and Squantz Pond is probably due to its greater depth and less vertical mixing.

In 2016, all the surveyed lakes had noticeable algal blooms. Filamentous algal mats reached nuisance levels in a few protected coves in each lake (Figure 29, left). Often they overlaid patches of Eurasian watermilfoil. Unicellular algal blooms were also prevalent in all lakes. Although usually observed as a green tinge to the water, in certain areas the cells coalesced into unsightly clumps (Figure 29, right). The mass balance of nutrients between rooted aquatic plants and algae is complex and likely varies throughout the season. When rooted aquatic plants are controlled by drawdown, grass carp, herbicides, etc. nutrients are released and algal blooms may be favored.

Conclusions/Executive Summary

Lakes Candlewood, Lillinonah, Zoar and Squantz Pond offer diverse freshwater ecosystems and exceptional opportunities for fishing, boating and other outdoor activities. In addition, they produce Connecticut's largest supply of renewable energy via FirstLight Power Resources hydrogenerating facilities. Invasive aquatic plants are present, often a nuisance, and pose a threat to the lakes. Invasive Eurasian watermilfoil dominates the plant communities in all lakes and is the most troublesome. The Eurasian watermilfoil acreage tends to increase and decrease in Candlewood Lake in response to deep and shallow winter drawdowns. A shallow drawdown was performed in 2016 and resulted in the largest coverage

of Eurasian watermilfoil (506 acres) to date. Invasive minor naiad and curlyleaf pondweed are also present in Candlewood Lake but not at nuisance levels. The total number of plant species in Candlewood Lake (8) remains extremely low for such a large lake and this is likely influenced by the winter drawdowns. Grass carp were introduced in Candlewood Lake in 2015 and our 2016 survey did not show any effects.

Squantz Pond was surveyed using FLP protocol for the first time in 2015. In 2016, Eurasian watermilfoil covered the largest area of Squantz Pond (39 acres) followed by minor naiad (12 acres) and curly leaf pondweed (<0.01 acres). These coverages were similar to 2015. The direct connection with Candlewood Lake, under the Route 39 causeway, allows for invasive plant control via the Candlewood Lake drawdown and grass carp introduction. In 2016, we could not quantify any effects of the grass carp in Squantz Pond.

Our 2016 survey of Lake Zoar, found Eurasian watermilfoil, minor naiad, curlyleaf pondweed, and European water clover. Eurasian watermilfoil coverage has been substantially reduced in recent years due to annual herbicide applications. For the first time in our surveys curlyleaf pondweed coverage exceeded Eurasian watermilfoil (62 acres vs 23 acres) while minor naiad also covered only 23 acres. Eurasian watermilfoil declined from a high of 85 acres in 2010 and 2012. European waterclover was limited to 0.3 acres in one shallow cove. Eleven native species were found in Lake Zoar in 2016. Although a low number for such a large lake, this number represents an increase from past years and may be the result of the herbicide applications reducing the competition from Eurasian watermilfoil. Fluctuating water levels and zebra mussels may also be a factor.

The invasive species found along Lake Lillinonah's transects in 2016 were Eurasian watermilfoil, minor naiad and curlyleaf pondweed. Eurasian watermilfoil was most frequently found (39%). This represents an increasing trend with frequencies averaging near 15% from 2007 - 2011 and 34% from 2012 – 2016. Minor naiad and curlyleaf pondweed have shown less change and are not considered a major problem. We observed isolated small patches of water chestnut in Lake Lillinonah but they were not on our surveyed transects. We believe it was being hand harvested by volunteers. Zebra mussels were found attached to plants for the first time in Lake Lillinonah and they could begin to reduce plant growth.

Acknowledgments

The assistance of the following individuals throughout the years is gratefully acknowledged.

Martha Balfour, Invasive Aquatic Plant Program, CAES

Marc Bellaud, Aquatic Control Technologies, Sutton, MA

Sara Benson, Invasive Aquatic Plant Program, CAES

Robert Capers, Invasive Aquatic Plant Program, CAES

Michael Cavadini, Invasive Aquatic Plant Program, CAES

Andrea Ellision, Invasive Aquatic Plant Program, CAES

Robert Gates, FirstLight Power Resources LLC, New Milford, CT

Robin Gent, Invasive Aquatic Plant Program, CAES

Jordan Gibbons, Invasive Aquatic Plant Program, CAES

Brian Hart, Invasive Aquatic Plant Program, CAES

Adam Hawkes, Invasive Aquatic Plant Program, CAES

Mark June-Wells, Invasive Aquatic Plant Program, CAES

Chuck Lee, Bureau of Planning and Standards, CT DEEP

Larry Marsicano, Candlewood Lake Authority

Amanda Massa, Invasive Aquatic Plant Program, CAES

Julius Pasay, Invasive Aquatic Plant Program, CAES

Roslyn Reeps, Invasive Aquatic Plant Program, CAES

Jesse Schock, Invasive Aquatic Plant Program, CAES

Mieke Schuyler, Invasive Aquatic Plant Program, CAES

Summer Stebbins, Invasive Aquatic Plant Program, CAES

Robert Stira, FirstLight Power Resources LLC, New Milford, CT

Rachel Soufrine, Invasive Aquatic Plant Program, CAES

Brian Wood, FirstLight Power Resources LLC, New Milford, CT

Samantha Wysocki, Invasive Aquatic Plant Program, CAES

References:

American Public Health Association. 1995. Standard methods for the examination of water and wastewater. 19th ed. American Public Health Association, 1015 Fifteenth St. NW Washington, DC 2005. 4:108-116.

Barrett SC. 1989. Waterweed Invasions. Scientific American. 261:90-97.

Bristow JM, Whitcombe M. 1971. The role of roots in the nutrition of aquatic vascular plants. Amer. J. Bot. 58:8-13.

Bugbee GJ, Gibbons JA, and June-Wells M. 2015.Efficacy of single and consecutive early-season diquat treatments on curlyleaf pondweed and associated aquatic macrophytes: A case study. 2015. J. Aquat. Plant Manage. 53:171-177.

Bugbee GJ, Barton ME, Gibbons JA. 2012. Connecticut's Aquatic and Wetland Invasive Aquatic Plants 2nd Ed. Conn. Agric. Exp. Sta. Bull. 1035. Retrieved January 30, 2016. http://www.ct.gov/caes/lib/caes/invasive_aquatic_plant_program/pdf_reports/2012_field_guide_online.pdf.

Bugbee GJ, Gibbons JA, June-Wells M, Fanzutti JM. 2016. Invasive aquatic plants in Lakes Candlewood, Lillinonah and Zoar 2015. Conn. Agric. Exp. Sta. Bull. Retrieved February 12, 2016. http://www.ct.gov/caes/lib/caes/documents/publications/bulletins/b1046.pdf

Bugbee GJ, Gibbons JA, June-Wells M, Fanzutti JM. 2013. Invasive aquatic plants in Lakes Candlewood, Lillinonah and Zoar 2012. Conn. Agric. Exp. Sta. Bull. Retrieved February 25, 2014.http://www.ct.gov/caes/lib/caes/invasive_aquatic_plant_program/pdf_reports/firstlightbulletin2012_4_23_2013_final.pdf.

Bugbee GJ. 2011. Invasive aquatic plants in Lakes Candlewood, Lillinonah and Zoar 2010. Conn. Agric. Exp. Sta. Bull. Retrieved January 30, 2016. http://www.ct.gov/caes/lib/caes/invasive_aquatic_plant_program/pdf_reports/firstlightbulletinfinal2011_3_31.pdf.

Bugbee GJ, Balfour ME. 2010. Invasive aquatic plants in Lakes Candlewood, Lillinonah and Zoar 2009. Conn. Agric. Exp. Sta. Bull. Retrieved January 30, 2016. http://www.ct.gov/caes/lib/caes/invasive_aquatic_plant_program/pdf_reports/firstlightbulletin2009_final_4_1_2010.pdf.

Bugbee GJ, Selsky R, Marko M. 2008. Invasive aquatic plants in Lakes Candlewood, Lillinonah and Zoar 2007. Conn. Agric. Exp. Sta. Bull. 1017.

CAES IAPP. 2017. The Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP). Retrieved January 30, 2017. http://www.ct.gov/caes/iapp.

Canavan IV RW, Siver PA. 1995. Connecticut Lakes: A study of the chemical and physical properties of fifty-six Connecticut Lakes. Connecticut College Arboretum. New London, CT.

Capers RS, Selsky R, Bugbee GJ, White JC. 2007. Aquatic plant community invisibility and scale-dependent patterns in native and invasive species richness. Ecology. 88(12):3135-3143.

Catling PM, Dobson I. 1985. The biology of Canadian weeds. *Potamogeton crispus L.* Canadian Journal of Plant Science 65:655-668.

Connecticut Aquatic Nuisance Species Working Group. 2006. Connecticut aquatic nuisance species management plan. Retrieved December 17, 2007. http://www.ctiwr.uconn.edu/ProjANS/SubmittedMaterial2005/Material200601/ANS%20Plan%20Final%20Draft121905.pdf

Crow GE, Hellquist CB. 2000a. Aquatic and Wetland Plants of Northeastern North America. Vol. 1. Pteridophytes, Gymnosperms and Angiosperms: Dicotyledons. University of Wisconsin Press, Madison.

Crow GE, Hellquist CB. 2000b. Aquatic and Wetland Plants of Northeastern North America. Vol. 2. Angiosperms: Monocotyledons. University of Wisconsin Press, Madison.

Frink CR, Norvell WA. 1984. Chemical and physical properties of Connecticut lakes. Conn. Agric. Exp. Sta. Bull. 817.

Fishman KJ, Leonard RL, Shah FA. 1998. Economic evaluation of Connecticut lakes with alternative water quality levels. Connecticut Department of Environmental Protection. 79 Elm St. Hartford CT

Jacobs RP, O'Donnell EB. 2002. A fisheries guide to lakes and ponds of Connecticut. Including the Connecticut River and its coves. CT DEP Bull. 35.

June-Wells MF, Gallagher J, Gibbons JA, Bugbee GJ. 2013. Water chemistry preferences of five nonnative aquatic macrophyte species in Connecticut: A preliminary risk assessment tool. Lake and Reservoir Management. 29:303-316.

Les DH, Mehroff LJ. 1999. Introduction of nonindigenous aquatic vascular plants in southern New England: a historical perspective. Biological Invasions 1:281-300.

Northeast Generating Company. 2005. Nuisance plant monitoring plan. Lake Candlewood, and Lakes Lillinonah and Zoar. FERC License Article 409.

Norvell WA. 1974. Insolubilization of inorganic phosphorus by anoxic lake sediment. Soil Sci. Soc. Amer. Proc. 38:441-445.

Pimentel D, Lach L, Zuniga R, Morrison D. 2000. Environmental and economic costs of nonindigenous species in the United States. Bioscience 53:53-65.

Pipalova. 2006. A review of grass carp use for aquatic weed control and its impact on water bodies. J. Aquat. Plant Manage. 44:1-12.

Siver PA, Coleman AM, Benson GA, Simpson JT. 1986. The effects of winter drawdown on macrophytes in Lake Candlewood, Connecticut. Lake and Reservoir Management. 2:69-73.

Tarsi M. 2006. Eurasian watermilfoil on Lake Candlewood: Management considerations and possible alternatives to the deep drawdown.

Wetzel RG. 2001. Limnology: Lake and River Ecosystems 3rd ed. Academic Press, San Diego, CA. http://www.academicpress.com.

Wilcove DS, Rothstien D, Dubow J, Phillips A, Losos E. 1998. Quantifying threats to imperiled species in the United States. BioScience 48:607-615.

Appendix

2016 CAES IAPP On-Lake Time

Candlewood (Lead surveyor)	**Zoar** (Lead surveyor)	**Lillinonah** (Lead surveyor)	**Squantz** (Lead surveyor)
6/14/2016 (Bugbee)	5/27/2016 (Fanzutti)	8/25/2016 (Fanzutti)	5/26/2016 (Fanzutti)
6/16/2016 (Bugbee)	6/2/2016 (Fanzutti)	8/31/2016 (Fanzutti)	7/27/2016 (Fanzutti)
6/17/2016 (Bugbee)	6/6/2016 (Fanzutti)	9/2/2016 (Fanzutti)	7/28/2016 (Fanzutti)
6/20/2016 (Bugbee)	6/7/2016 (Fanzutti)		8/2/2016 (Fanzutti)
8/4/2016 (Bugbee)	6/9/2016 (Fanzutti)		8/4/2016 (Fanzutti)
8/5/2016 (Bugbee)	8/5/2016 (Fanzutti)		
8/9/2016 (Bugbee)	8/8/216 (Fanzutti)		
8/10/2016 (Bugbee)	8/9/2016 (Fanzutti)		
8/12/2016 (Bugbee)	8/10/2016 (Fanzutti)		
8/15/2016 (Bugbee)	8/11/2016 (Fanzutti)		
8/22/2016 (Bugbee)	8/17/2016 (Fanzutti)		
8/23/2016 (Bugbee)	8/18/2016 (Fanzutti)		
8/24/2016 (Bugbee)	8/23/2016 (Fanzutti)		
8/25/2016 (Bugbee)	8/24/2016 (Fanzutti)		
8/27/2016 (Bugbee)	8/25/2016 (Fanzutti)		
8/30/2016 (Bugbee)			
9/2/2016 (Bugbee)			
9/3/2016 (Bugbee)			
18 days	**15 days**	**3 days**	**5 days**

Invasive Plant Descriptions

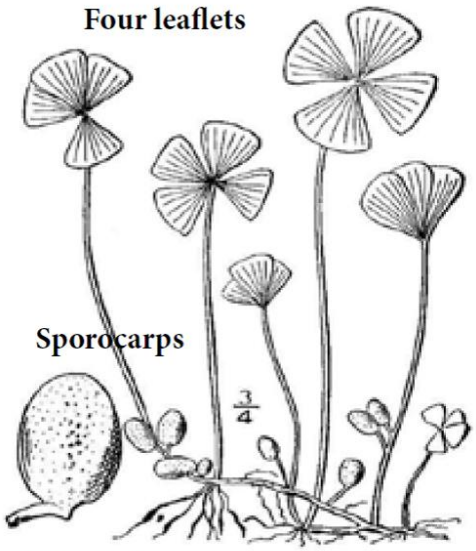
Marsilea quadrifolia

Common names:
European waterclover
Water shamrock

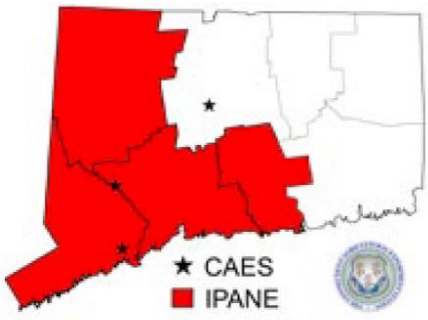
Origin:
Europe

Key features:
Floating leaf plant
Stems: Smooth petioles 2-12 inches (5-30 cm)
Leaves: Comprised of 4 fan-shaped leaflets (similar to a four-leaf clover)
Fruits/Seeds: 2 or 3 dark brown sporocarps 0.2 inches × 0.2 inches (4-5.5 mm × 3-4 mm)
Reproduction: Cloning and sporocarps

Easily confused species:
None



Britton, N.L., and A. Brown. 1913



Myriophyllum spicatum

Photo by CAES IAPP

Common name:
Eurasian watermilfoil

Origin:
Europe and Asia

Key features:
Plants are submersed

Stems: Stem diameter below the inflorescence is greater with reddish stem tips

Leaves: Leaves are rectangular with ≥ 12 pairs of leaflets per leaf and are dissected giving a feathery appearance, arranged in a whorl, whorls are 1 inch (2.5 cm) apart

Flowers: Small pinkish male flowers that occur on reddish spikes, female flowers lack petals and sepals and have 4 lobed pistil

Fruits/Seeds: Fruit are round 0.08-0.12 inches (2-3 mm) and contain 4 seeds

Reproduction: Fragmentation and seeds

Copyright 1991 Univ. of Florida
Center forAquatic and Invasive Plants

Easily confused species:
Variable-leaf watermilfoil: *Myriophyllum heterophyllum*
Low watermilfoil: *Myriophyllum humile*
Northern watermilfoil: *Myriophyllum sibiricum*
Whorled watermilfoil: *Myriophyllum verticillatum*

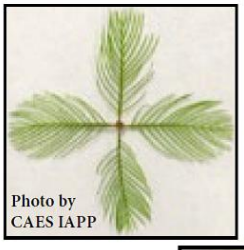
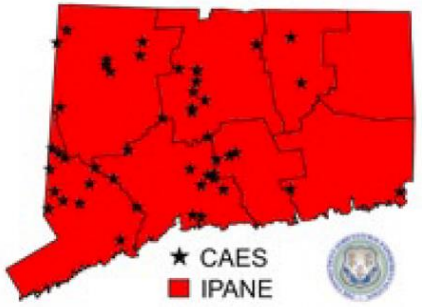


Photo by CAES IAPP

Photo by CAES IAPP

Photo by CAES IAPP



Najas minor

Common names:
Minor naiad
Brittle waternymph
Spiny leaf naiad
Eutrophic waternymph

Origin:
Europe

Key features:
Plants are submersed

Stems: Branched stems can grow up to 4-8 inches (10-20 cm) long

Leaves: Opposite and lance shaped on branched stems with easily visible toothed leaf edges and leaves appear curled under, basal lobes of leaf are also serrated, 0.01-0.02 inches (0.3-0.5 mm)

Flowers: Monoecious (male and female flowers on same plant)

Fruits/Seeds: Fruits are purple-tinged and seeds measure 0.03-0.06 inches (1.5-3 mm)

Reproduction: Seeds and fragmentation

Easily confused species:
Other naiads (native): *Najas* spp.

Potamogeton crispus

Common names:
Curly leaf pondweed
Crispy-leaved pondweed
Crisped pondweed

Origin:
Asia, Africa, and Europe

Key features:
Plants are submersed

Stems: Stems are flattened, can form dense stands in water up to 15 feet (5 m) deep

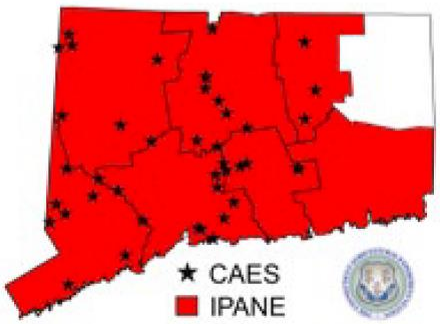
Leaves: Alternate leaves 0.3-1 inches (3-8 cm) wide with wavy edges (similar to lasagna) with a prominent mid-vein

Flowers: Brown and inconspicuous

Fruits/Seeds: Fruit is oval 0.1 inches (3 mm) long

Reproduction: Turions (right) and seeds

Easily confused species:
None



Trapa natans

Common names:
Water chestnut
European water chestnut

Origin:
Asia and Europe

Key features:
Plants are rooted to substrate and float

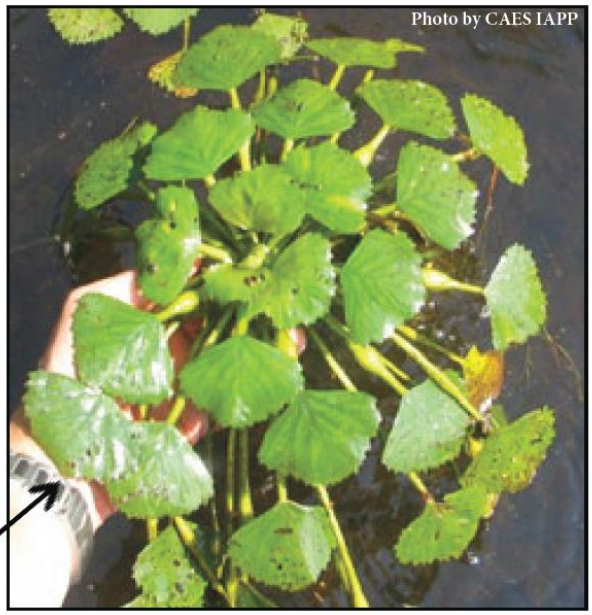
Stems: Stem is submersed, flaccid and can be up to 15 feet (5 m) long

Leaves: Leaves 0.8-0.16 inches (2-4 cm) long are triangular and toothed along the front edge with inflated petioles, leaves float in a rosette pattern

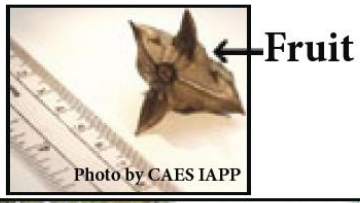
Flowers: Flowers are located in the center of the rosette and have four white petals

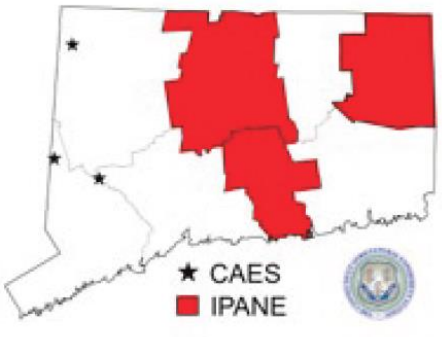
Fruits/Seeds: Fruit is hard and has four sharp spines

Reproduction: Seeds and fragmentation



Easily confused species:
None





Metadata

Metadata is data about data. This metadata gives background information on the content, quality, condition, legal liability and other appropriate characteristics of the data.

Metadata

Polygons and Points of Invasive Plants

Abstract This polygon and point data is of the invasive aquatic plant locations in Lakes Candlewood, Zoar, and Squantz Pond found during the 2016 aquatic plant survey. The invasive aquatic plants found during the survey were *Potamogeton crispus* (curlyleaf pondweed), *Najas minor* (minor naiad), *Myriophyllum spicatum* (Eurasian watermilfoil), and *Trapa natans* (water chestnut). Survey boats with Trimble GPS units traveled along the outside of each invasive patch to obtain the polygons. In the event that invasive aquatic plants species co-occurred, two separate polygons would be made or the occurrence would be noted in the notes field. If plants covered an area of less than 1 meter in diameter a point feature was recorded. Depth was at three different locations in patches and the average depth range was assigned. For points one depth measurement was recorded. Abundance of each species in the patch or point was ranked on a scale of 1-5 (1 = rare, a single stem; 2 = uncommon, few stems; 3 = common; 4 = abundant; 5 = extremely abundant or dominant).

Purpose To document and assess the invasive aquatic plant infestation on lakes Candlewood, Zoar, and Squantz Pond during 2016. This data will also be available to compare with future invasive aquatic plant survey data.

Access Constraints This data is public access data and can be freely distributed. The Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP) should be clearly cited as the author in any published works. The State of Connecticut shall not be held liable for improper or incorrect use of the data described and/or contained within this web site. These data and related graphics are not legal documents and are not intended to be used as such. The information contained in these data is dynamic and will change over time. The State of Connecticut gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of these data. It is the responsibility of the data user to use the data appropriately and consistent within these limitations. Although these data have been processed successfully on a computer system at the State of Connecticut, no warranty expressed or implied is made regarding the utility of the data on another system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. This disclaimer applies both to individual use of the data and aggregate use with other data.

Use Constraints No restrictions or legal prerequisites for using the data. The data is suitable for use at appropriate scale, and is not intended for maps printed at scales greater or more detailed than 1:24,000 scale (1 inch = 2,000 feet). Although this data set has been used by the State of Connecticut, The Connecticut Agricultural Experiment Station, no warranty, expressed or implied, is made by the State of Connecticut, Connecticut Agricultural Experiment Station as to the accuracy of the data and or related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the State of Connecticut, Connecticut Agricultural Experiment Station in the use of these data or related materials. The user assumes the entire risk related to the use of these data. Once the data is distributed to the user, modifications made to the data by the user should be noted in the metadata. When printing this data on a map or using it

in a software application, analysis, or report, please acknowledge the Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP) as the source for this information.

Credit Gregory J. Bugbee and Jennifer M. Fanzutti, The Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP)

Accuracy Report All aquatic plants noted in this feature were confirmed in the lab using a dichotomous key and, when possible, molecular techniques. Collection specimens of each plant can be found at The Connecticut Agricultural Experiment Station herbarium. Abundance determinations were made by the surveyor based on the abundance guidelines listed in the abstract of this metadata.

GPS Accuracy Positions were acquired by using a Trimble GeoXT® or a Trimble ProXT® with TerraSync 2.40 or 5.02 (WAAS enabled). Data was post-processed in the lab with Pathfinder Office 5.85 with data from local base stations. Therefore, the average accuracy of the data is less than 1m.

Process Position data was obtained in the field using a Trimble GeoXT® or a Trimble ProXT® with TerraSync 2.40 or 5.02 (WAAS enabled). Data was post-processed in the lab with Pathfinder Office 5.85 with data from local base stations and then imported into ESRI ArcMap 10.4.1 for display and analysis.

Metadata

Transects

Abstract Quantitative abundance information on native and invasive aquatic plants were obtained by using the CAES IAPP transect method. We positioned transects perpendicular to the shoreline and recorded GPS location and the abundance of each plant species found within a 2 m² area at 0.5, 5, 10, 20, 30, 40, 50, 60, 70 and 80 m from the shore (a total of 10 samples on each transect unless impaired by rocks, land etc.). Ten transects were established for lakes Candlewood, Lillinonah, and Zoar and five transects were established for Squantz Pond. Transects were positioned using a random-representative method to account for all bottom types and plant conditions in Lakes Lillinonah and Zoar. In Lake Candlewood, the random-representative method was not used. Instead, transects were chosen that included at least one occurrence of each native and invasive plant species found by a more thorough set of transects done by CAES IAPP in 2005. Candlewood Lake transects, T2, T22, T25, T57, T52, T58, T62, T74, T86, and T105, from the CAES IAPP 2005 survey were chosen and renamed T1 - T10 respectively. These transects do not represent the overall conditions of Candlewood Lake as the frequency of native species will be over-estimated. We used the same method when selecting transects on Squantz Pond by selecting 5 of the 14 transects established in 2011. Squantz Pond transects, T1, T11, T9, T8, and T5 were chosen and renamed T1 – T5 respectively. We ranked abundance of each species, at each transect point, on a scale of 1–5 (1 = rare, a single stem; 2 = uncommon, few stems; 3 = common; 4 = abundant; 5 = extremely abundant or dominant). Depth was measured at each transect point.

Purpose To document and assess the native and invasive aquatic plant community in Lakes Candlewood, Lillinonah, Zoar, and Squantz Pond during 2016. This data will also be available to compare with future aquatic plant survey data.

Access Constraints This data is public access data and can be freely distributed. The Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP) should be clearly cited as the author in any published works. The State of Connecticut shall not be held liable for improper or incorrect use of the data described and/or contained within this web site. These data and related graphics are not legal documents and are not intended to be used as such. The information contained in these data is dynamic and will change over time. The State of Connecticut gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of these data. It is the responsibility of the data user to use the data appropriately and consistent within these limitations. Although these data have been processed successfully on a computer system at the State of Connecticut, no warranty expressed or implied is made regarding the utility of the data on another system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. This disclaimer applies both to individual use of the data and aggregate use with other data.

Use Constraints No restrictions or legal prerequisites for using the data. The data is suitable for use at appropriate scale, and is not intended for maps printed at scales greater or more detailed than 1:24,000 scale (1 inch = 2,000 feet). Although this data set has been used

by the State of Connecticut, The Connecticut Agricultural Experiment Station, no warranty, expressed or implied, is made by the State of Connecticut, Connecticut Agricultural Experiment Station as to the accuracy of the data and or related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the State of Connecticut, Connecticut Agricultural Experiment Station in the use of these data or related materials. The user assumes the entire risk related to the use of these data. Once the data is distributed to the user, modifications made to the data by the user should be noted in the metadata. When printing this data on a map or using it in a software application, analysis, or report, please acknowledge the Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP) as the source for this information.

Credit Gregory J. Bugbee and Jennifer M. Fanzutti, The Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP)

Accuracy Report All aquatic plants noted in this feature were confirmed in the lab using a dichotomous key and, when possible, molecular techniques. Abundance determinations were made by the surveyor based on the abundance guidelines listed in the abstract of this metadata.

GPS Accuracy Positions were acquired by using a Trimble GeoXT® or a Trimble ProXT® with TerraSync 2.40 or 5.02 (WAAS enabled). Data was post-processed in the lab with Pathfinder Office 5.85 with data from local base stations. Therefore, the average accuracy of the data is less than 1m.

Process Position data was obtained in the field using a Trimble GeoXT® or a Trimble ProXT® with TerraSync 2.40 or 5.02 (WAAS enabled). Data was post-processed in the lab with Pathfinder Office 5.85 with data from local base stations and then imported into ESRI ArcMap 10.4.1 for display and analysis.

Metadata

Water Testing

Abstract Water data is taken by The Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP) in order to document and analyze the water conditions of surveyed aquatic plants in Lakes Candlewood, Lillinonah, Zoar, and Squantz Pond. Five sample locations were chosen in Candlewood Lake, three locations in Lakes Lillinonah and Zoar, and one location in Squantz Pond. At least one sample location is chosen in the deepest part of the lake and the other are spread out to account for diverse conditions. The depth (meters) and Secchi measurement (transparency; meters) are taken at each location, along with dissolved oxygen (mg/L) and temperature (◦C) at 0.5 meters from the surface and one-meter intervals to the bottom. Water samples are also taken at the sample location at 0.5-meter from the surface and near the water-body bottom. Water samples are assessed in the lab for conductivity (µs/cm), pH, alkalinity (expressed as mg/L $CaCO_3$) and phosphorous (µg/L).

Purpose Water data was taken by The Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP) in order to document and analyze the water conditions in Lakes Candlewood, Lillinonah, Zoar and Squantz Pond and correlate with surveyed aquatic plants.

Access Constraints This data is public access data and can be freely distributed. The Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP) should be clearly cited as the author in any published works. The State of Connecticut shall not be held liable for improper or incorrect use of the data described and/or contained within this web site. These data and related graphics are not legal documents and are not for use as such. The information contained in these data is dynamic and will change over time. The State of Connecticut gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of these data. It is the responsibility of the data user to use the data appropriately and consistent within these limitations. Although these data have been processed successfully on a computer system used by the State of Connecticut, no warranty expressed or implied is made regarding the utility of the data on another system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. This disclaimer applies both to individual use of the data and aggregate use with other data.

Use Constraints No restrictions or legal prerequisites for using the data. The data is suitable for use at appropriate scale, and is not intended for maps printed at scales greater or more detailed than 1:24,000 scale (1 inch = 2,000 feet). Although this data set has been used by the State of Connecticut, The Connecticut Agricultural Experiment Station, no warranty, expressed or implied, is made by the State of Connecticut, Connecticut Agricultural Experiment Station as to the accuracy of the data and or related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the State of Connecticut, Connecticut Agricultural Experiment Station in the use of these data or related materials. The user assumes the entire risk related to the use of these data. Once the data is distributed to the user, modifications made to the data by the user should be noted in the metadata. When printing this data on a map or using it

in a software application, analysis, or report, please acknowledge the Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP) as the source for this information.

Credit Gregory J. Bugbee and Jennifer M. Fanzutti, The Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP)

Accuracy Report Secchi measurements were taken in the field with a Secchi disk with measurement markers (meters), using the same method each time. Dissolved oxygen and temperature were taken in the field with a YSI 58 meter (YSI Incorporated, Yellow Springs, Ohio, USA) that was calibrated every time it was used. Water samples were stored at 3˚ C until analyzed for pH, alkalinity, conductivity and total phosphorus. Conductivity and pH were measured with a Fisher-Accumet AR20 meter (Fisher Scientific International Incorporated, Hampton, New Hampshire, USA), which was calibrated each time it was used. Alkalinity was quantified by titration and expressed as milligrams of $CaCO_3$ per liter (titrant was 0.08 mol/L H_2SO_4 with an end point of pH 4.5). The total phosphorus analysis was conducted on samples that were acidified with three drops of concentrated H_2SO_4, and consisted of the ascorbic acid method and potassium persulfate digestion outlined by the American Public Health Association (Standard Methods of the Examination of Water and Waste Water, 1995).

GPS Accuracy Positions were acquired by using a Trimble GeoXT® or a Trimble ProXT® with TerraSync 2.40 or 5.02 (WAAS enabled). Data was post-processed in the lab with Pathfinder Office 5.85 with data from local base stations. Therefore, the average accuracy of the data is less than 1m.

Process Description Position data was obtained in the field using a Trimble GeoXT® or a Trimble ProXT® with TerraSync 2.40 or 5.02 (WAAS enabled). Data was post-processed in the lab with Pathfinder Office 5.85 with data from local base stations and then imported into ESRI ArcMap 10.4.1 for display and analysis.

Invasive Aquatic Plant Location Data

Appendix Lake Candlewood Invasive Plant Location data (1 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
1	MyrSpi		Point	6/14/2016	41.46832	-73.42548	1-3	3	0.0002
2	MyrSpi		Point	6/14/2016	41.47843	-73.43458	1-3	3	0.0002
3	MyrSpi		Point	6/14/2016	41.47845	-73.43458	1-3	3	0.0002
4	PotCri	With MyrSpi 4	Patch	6/14/2016	41.48138	-73.43572	1-3	3	0.4086
5	PotCri		Point	6/16/2016	41.44828	-73.43079	1-3	3	0.0002
6	PotCri		Point	6/16/2016	41.44864	-73.43099	1-3	3	0.0002
7	PotCri		Patch	6/16/2016	41.44874	-73.43105	1-3	1	0.0648
8	PotCri		Point	6/16/2016	41.43843	-73.45442	1-3	3	0.0002
9	PotCri		Point	6/16/2016	41.43066	-73.45332	1-3	3	0.0002
10	PotCri		Point	6/16/2016	41.42838	-73.45293	1-3	3	0.0002
11	PotCri		Point	6/16/2016	41.42763	-73.45311	1-3	3	0.0002
12	PotCri		Point	6/16/2016	41.42631	-73.45191	1-3	3	0.0002
13	PotCri		Point	6/16/2016	41.42634	-73.45191	1-3	3	0.0002
14	PotCri		Point	6/16/2016	41.42638	-73.45191	1-3	3	0.0002
15	PotCri		Point	6/16/2016	41.42512	-73.45259	1-3	3	0.0002
16	PotCri		Point	6/16/2016	41.42414	-73.45270	1-3	1	0.0002
17	PotCri		Point	6/16/2016	41.46881	-73.45680	1-3	3	0.0002
18	PotCri		Point	6/16/2016	41.46888	-73.45673	1-3	3	0.0002
19	PotCri		Point	6/16/2016	41.46890	-73.45669	1-3	3	0.0002
20	PotCri		Point	6/16/2016	41.46890	-73.45663	1-3	3	0.0002
21	PotCri		Point	6/16/2016	41.48473	-73.45958	1-3	2	0.0002
22	PotCri		Point	6/17/2016	41.48630	-73.45998	0-1	3	0.0002
23	PotCri		Point	6/17/2016	41.49737	-73.46901	0-1	1	0.0002
24	PotCri		Point	6/17/2016	41.49975	-73.46855	0-1	2	0.0002
25	PotCri		Point	6/17/2016	41.50834	-73.46899	0-1	3	0.0002
26	PotCri		Point	6/17/2016	41.51013	-73.47075	0-1	3	0.0002
27	PotCri		Point	6/17/2016	41.51010	-73.47077	0-1	3	0.0002
28	PotCri		Point	6/17/2016	41.51011	-73.47072	0-1	5	0.0002
29	PotCri		Point	6/17/2016	41.51020	-73.47081	0-1	5	0.0002
30	PotCri		Point	6/17/2016	41.51456	-73.46265	0-1	1	0.0002
31	PotCri		Point	6/17/2016	41.51689	-73.46315	0-1	3	0.0002
32	PotCri		Point	6/17/2016	41.49713	-73.44652	0-1	1	0.0002
33	PotCri	With MyrSpi 5	Patch	6/17/2016	41.49693	-73.44659	0-1	2	0.4339
34	PotCri		Point	6/20/2016	41.52787	-73.44259	0-1	2	0.0002
35	PotCri		Point	6/20/2016	41.52788	-73.44244	0-1	3	0.0002
36	PotCri		Point	6/20/2016	41.52624	-73.44189	0-1	3	0.0002
37	MyrSpi		Point	8/4/2016	41.45542	-73.45078	0-2	2	0.0002
38	MyrSpi		Point	8/4/2016	41.45545	-73.45074	0-2	2	0.0002
39	MyrSpi		Patch	8/4/2016	41.44240	-73.45272	1-4	4	0.0228
40	MyrSpi		Patch	8/4/2016	41.43390	-73.45411	0-1	2	0.0350
41	MyrSpi		Patch	8/4/2016	41.44378	-73.45553	1-4	5	0.0356
42	MyrSpi		Patch	8/4/2016	41.45816	-73.44508	1-4	3	0.0358
43	MyrSpi		Patch	8/4/2016	41.44564	-73.45466	1-4	4	0.0494
44	MyrSpi		Patch	8/4/2016	41.45447	-73.45065	1-4	4	0.0501
45	MyrSpi		Patch	8/4/2016	41.42849	-73.45957	1-3	3	0.0593
46	MyrSpi		Patch	8/4/2016	41.45245	-73.44474	1-4	3	0.0649
47	MyrSpi		Patch	8/4/2016	41.44184	-73.45298	1-4	4	0.0652
48	MyrSpi		Patch	8/4/2016	41.44327	-73.45587	1-4	5	0.0816
49	MyrSpi		Patch	8/4/2016	41.44153	-73.45722	1-4	4	0.0827
50	MyrSpi		Patch	8/4/2016	41.45550	-73.44070	1-4	3	0.0980
51	MyrSpi		Patch	8/4/2016	41.44824	-73.45096	2-4	4	0.1365
52	MyrSpi		Patch	8/4/2016	41.44465	-73.45518	1-4	4	0.1697
53	MyrSpi		Patch	8/4/2016	41.42874	-73.45228	0-2	5	0.1846

Appendix Lake Candlewood Invasive Plant Location data (2 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
54	MyrSpi		Patch	8/4/2016	41.44811	-73.44971	2-4	4	0.4694
55	MyrSpi		Patch	8/4/2016	41.45117	-73.44545	1-4	3	0.4784
56	MyrSpi		Patch	8/4/2016	41.44581	-73.45114	2-4	4	0.4816
57	MyrSpi		Patch	8/4/2016	41.42852	-73.45271	1-3	5	0.5090
58	MyrSpi		Patch	8/4/2016	41.45446	-73.44423	1-4	4	0.5442
59	MyrSpi		Patch	8/4/2016	41.44283	-73.45164	1-4	4	0.5547
60	MyrSpi		Patch	8/4/2016	41.42693	-73.44936	0-2	5	0.6116
61	MyrSpi	Benthic Barrier By Beach	Patch	8/4/2016	41.45878	-73.44343	1-4	4	0.6967
62	MyrSpi		Patch	8/4/2016	41.44967	-73.45193	1-4	4	0.8517
63	MyrSpi		Patch	8/4/2016	41.42799	-73.45199	2-4	5	1.1616
64	MyrSpi		Patch	8/4/2016	41.43924	-73.45848	1-4	4	1.2134
65	MyrSpi		Patch	8/4/2016	41.42797	-73.45089	0-2	5	1.2306
66	MyrSpi		Patch	8/4/2016	41.43531	-73.45437	1-4	4	1.3840
67	MyrSpi		Patch	8/4/2016	41.43233	-73.45976	1-4	4	2.0360
68	MyrSpi		Patch	8/4/2016	41.42688	-73.45265	2-3	5	2.1838
69	MyrSpi		Patch	8/4/2016	41.45706	-73.45307	1-4	4	2.2720
70	MyrSpi		Patch	8/4/2016	41.42559	-73.45137	1-4	5	2.3434
71	MyrSpi	With NajMin=2	Patch	8/4/2016	41.43935	-73.45347	1-4	4	3.4575
72	MyrSpi		Patch	8/4/2016	41.44623	-73.44843	1-4	4	4.5045
73	MyrSpi		Patch	8/4/2016	41.45300	-73.43668	1-4	4	6.1193
74	MyrSpi	With NajMin=2	Patch	8/4/2016	41.42709	-73.45364	1-4	4	46.6372
75	MyrSpi		Point	8/5/2016	41.47440	-73.46045	1-3	2	0.0002
76	MyrSpi		Point	8/5/2016	41.47439	-73.46043	1-3	2	0.0002
77	MyrSpi		Patch	8/5/2016	41.47423	-73.46025	1-3	3	0.0126
78	MyrSpi		Patch	8/5/2016	41.46465	-73.46171	1-4	2	0.0139
79	MyrSpi		Patch	8/5/2016	41.46964	-73.45880	1-4	2	0.0186
80	MyrSpi		Patch	8/5/2016	41.46775	-73.45922	0-1	2	0.0292
81	MyrSpi		Patch	8/5/2016	41.47219	-73.45245	1-4	4	0.0314
82	MyrSpi		Patch	8/5/2016	41.46494	-73.46156	1-4	4	0.0357
83	MyrSpi		Patch	8/5/2016	41.47376	-73.45326	1-4	4	0.0432
84	MyrSpi		Patch	8/5/2016	41.46855	-73.45808	0-1	3	0.0436
85	MyrSpi		Patch	8/5/2016	41.46525	-73.46133	1-4	5	0.0809
86	MyrSpi		Patch	8/5/2016	41.46457	-73.45831	1-4	4	0.0836
87	MyrSpi		Patch	8/5/2016	41.46561	-73.46096	1-4	4	0.0901
88	MyrSpi	With NajMin=2	Patch	8/5/2016	41.46869	-73.45861	0-1	3	0.1052
89	MyrSpi		Patch	8/5/2016	41.47320	-73.45295	1-4	4	0.1288
90	MyrSpi		Patch	8/5/2016	41.47792	-73.45549	1-4	4	0.1321
91	MyrSpi		Patch	8/5/2016	41.46691	-73.45982	1-4	4	0.1581
92	MyrSpi		Patch	8/5/2016	41.47468	-73.45329	1-4	4	0.1929
93	MyrSpi		Patch	8/5/2016	41.46970	-73.45064	1-4	4	0.2103
94	MyrSpi		Patch	8/5/2016	41.46470	-73.46003	1-4	4	0.3516
95	MyrSpi		Patch	8/5/2016	41.48090	-73.45752	1-4	4	0.3837
96	MyrSpi		Patch	8/5/2016	41.46394	-73.45815	1-4	4	0.4365
97	MyrSpi		Patch	8/5/2016	41.48417	-73.45978	1-4	5	0.4697
98	MyrSpi		Patch	8/5/2016	41.47552	-73.46119	1-3	4	0.4848
99	MyrSpi		Patch	8/5/2016	41.46552	-73.45850	1-4	3	0.4913
100	MyrSpi		Patch	8/5/2016	41.45958	-73.43547	1-4	4	0.5294
101	MyrSpi		Patch	8/5/2016	41.46409	-73.46196	1-4	3	0.7440
102	MyrSpi		Patch	8/5/2016	41.47641	-73.45488	1-4	4	0.8276
103	MyrSpi		Patch	8/5/2016	41.48458	-73.45915	1-4	5	0.8322
104	MyrSpi		Patch	8/5/2016	41.47929	-73.45674	1-4	4	1.0123
105	MyrSpi		Patch	8/5/2016	41.45488	-73.43357	1-3	5	1.1452
106	MyrSpi		Patch	8/5/2016	41.46693	-73.44967	1-4	4	1.3444

Appendix Lake Candlewood Invasive Plant Location data (3 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
107	MyrSpi		Patch	8/5/2016	41.47081	-73.45133	1-4	4	1.4070
108	MyrSpi		Patch	8/5/2016	41.45081	-73.43144	1-4	4	1.4888
109	MyrSpi		Patch	8/5/2016	41.46624	-73.45062	1-4	4	1.9090
110	MyrSpi		Patch	8/5/2016	41.46255	-73.44615	1-4	4	3.4706
111	MyrSpi		Patch	8/5/2016	41.46643	-73.45534	1-4	4	4.3432
112	MyrSpi		Patch	8/5/2016	41.45569	-73.43426	1-4	4	5.1953
113	MyrSpi		Patch	8/5/2016	41.46922	-73.45689	1-4	4	5.5929
114	MyrSpi		Patch	8/5/2016	41.48199	-73.46044	1-4	4	8.3676
115	NajMin		Patch	08/05/16	41.46869	-73.45861	0-1	2	0.1052
116	MyrSpi		Patch	8/9/2016	41.46656	-73.44216	1-4	4	1.1942
117	MyrSpi		Patch	8/9/2016	41.46412	-73.42580	1-3	5	2.3267
118	MyrSpi		Patch	8/9/2016	41.47297	-73.43387	1-4	4	67.4212
119	MyrSpi		Point	8/10/2016	41.46193	-73.43315	0-1	2	0.0002
120	MyrSpi		Point	8/10/2016	41.46610	-73.43580	0-1	2	0.0002
121	MyrSpi		Point	8/10/2016	41.48538	-73.44293	0-1	2	0.0002
122	MyrSpi		Point	8/10/2016	41.48589	-73.43477	0-1	2	0.0002
123	MyrSpi		Point	8/10/2016	41.48996	-73.43718	0-1	2	0.0002
124	MyrSpi		Point	8/10/2016	41.48617	-73.43459	0-1	3	0.0002
125	MyrSpi		Point	8/10/2016	41.49414	-73.44116	0-1	3	0.0002
126	MyrSpi		Point	8/10/2016	41.48603	-73.43473	0-1	4	0.0002
127	MyrSpi		Patch	8/10/2016	41.48562	-73.44203	0-1	2	0.0279
128	MyrSpi		Patch	8/10/2016	41.48655	-73.43398	0-1	4	0.0404
129	MyrSpi		Patch	8/10/2016	41.46117	-73.42815	1-3	5	0.0536
130	MyrSpi	With NajMin=2	Patch	8/10/2016	41.46170	-73.43148	0-1	2	0.1247
131	MyrSpi		Patch	8/10/2016	41.46054	-73.42805	1-3	5	0.1312
132	MyrSpi		Patch	8/10/2016	41.45992	-73.42796	1-3	5	0.1581
133	MyrSpi		Patch	8/10/2016	41.46378	-73.42744	1-3	5	0.1904
134	MyrSpi		Patch	8/10/2016	41.46390	-73.42480	1-3	5	0.1946
135	MyrSpi		Patch	8/10/2016	41.47638	-73.44828	1-4	4	0.2365
136	MyrSpi		Patch	8/10/2016	41.49347	-73.44546	1-4	4	1.2899
137	MyrSpi		Patch	8/10/2016	41.47693	-73.44952	1-4	4	1.8881
138	NajMin		Point	08/10/16	41.46170	-73.43148	0-1	2	0.1247
139	MyrSpi		Point	8/12/2016	41.50287	-73.46126	1-3	2	0.0002
140	MyrSpi		Point	8/12/2016	41.47640	-73.45130	0-1	2	0.0002
141	MyrSpi		Point	8/12/2016	41.47729	-73.45168	0-1	2	0.0002
142	MyrSpi		Point	8/12/2016	41.48776	-73.45292	0-1	2	0.0002
143	MyrSpi		Point	8/12/2016	41.49067	-73.45839	0-1	2	0.0002
144	MyrSpi		Point	8/12/2016	41.49065	-73.45837	0-1	2	0.0002
145	MyrSpi		Point	8/12/2016	41.48737	-73.45910	0-1	2	0.0002
146	MyrSpi		Point	8/12/2016	41.48719	-73.45915	0-1	2	0.0002
147	MyrSpi	With NajMin=2	Point	8/12/2016	41.48688	-73.46041	0-1	2	0.0002
148	MyrSpi	With NajMin=2	Point	8/12/2016	41.48697	-73.46052	0-1	2	0.0002
149	MyrSpi		Point	8/12/2016	41.50632	-73.46382	0-1	2	0.0002
150	MyrSpi		Point	8/12/2016	41.50631	-73.46382	0-1	2	0.0002
151	MyrSpi		Patch	8/12/2016	41.50642	-73.46403	1-3	3	0.0179
152	MyrSpi		Patch	8/12/2016	41.47145	-73.45030	1-4	2	0.0181
153	MyrSpi		Patch	8/12/2016	41.50312	-73.46150	1-4	3	0.0419
154	MyrSpi		Patch	8/12/2016	41.49624	-73.46882	1-3	5	0.0960
155	MyrSpi		Patch	8/12/2016	41.50419	-73.46216	1-4	3	0.0990
156	MyrSpi		Patch	8/12/2016	41.50338	-73.46529	1-4	3	0.1034
157	MyrSpi		Patch	8/12/2016	41.50704	-73.46040	1-4	3	0.2509
158	MyrSpi	With NajMin=3	Patch	8/12/2016	41.49716	-73.46806	1-4	3	0.3532
159	MyrSpi		Patch	8/12/2016	41.51457	-73.45945	2-4	4	0.3879

Appendix Lake Candlewood Invasive Plant Location data (4 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
160	MyrSpi		Patch	8/12/2016	41.50537	-73.46323	1-4	3	0.4472
161	MyrSpi		Patch	8/12/2016	41.50849	-73.46054	1-4	3	0.5029
162	MyrSpi	With NajMin=4	Patch	8/12/2016	41.49671	-73.46343	1-4	3	0.5292
163	MyrSpi		Patch	8/12/2016	41.49763	-73.46898	1-3	5	0.5428
164	MyrSpi		Patch	8/12/2016	41.49183	-73.45838	1-4	4	0.6209
165	MyrSpi		Patch	8/12/2016	41.48612	-73.45978	1-3	5	0.8083
166	MyrSpi		Patch	8/12/2016	41.51384	-73.46165	1-4	4	0.9138
167	MyrSpi		Patch	8/12/2016	41.49175	-73.45520	1-4	4	1.5282
168	MyrSpi		Patch	8/12/2016	41.50821	-73.45907	1-4	4	1.9080
169	MyrSpi	With NajMin=2	Patch	8/12/2016	41.50874	-73.46732	1-4	3	2.0009
170	MyrSpi		Patch	8/12/2016	41.46830	-73.44760	1-4	4	2.1837
171	MyrSpi		Patch	8/12/2016	41.50240	-73.45985	1-4	4	2.7242
172	MyrSpi	With NajMin=3	Patch	8/12/2016	41.49872	-73.46878	1-4	4	3.7212
173	MyrSpi		Patch	8/12/2016	41.50711	-73.46783	1-4	3	3.8043
174	MyrSpi		Patch	8/12/2016	41.48866	-73.46208	1-4	4	6.9202
175	MyrSpi	With NajMin=2	Patch	8/12/2016	41.49788	-73.46419	1-4	3	7.0255
176	NajMin	With NajMin=4	Patch	08/12/16	41.49671	-73.46343	1-4	4	0.5292
177	MyrSpi		Point	8/15/2016	41.52430	-73.45848	1-3	2	0.0002
178	MyrSpi		Point	8/15/2016	41.55530	-73.48089	1-3	3	0.0002
179	MyrSpi		Point	8/15/2016	41.52232	-73.45810	0-1	2	0.0002
180	MyrSpi		Point	8/15/2016	41.52293	-73.45822	0-1	2	0.0002
181	MyrSpi		Point	8/15/2016	41.53001	-73.46427	0-1	2	0.0002
182	MyrSpi		Point	8/15/2016	41.53350	-73.46650	0-1	2	0.0002
183	MyrSpi		Point	8/15/2016	41.53713	-73.46906	0-1	2	0.0002
184	MyrSpi		Patch	8/15/2016	41.54879	-73.47517	0-1	3	0.0090
185	MyrSpi		Patch	8/15/2016	41.54931	-73.47579	0-1	3	0.0137
186	MyrSpi		Patch	8/15/2016	41.54857	-73.47506	0-1	3	0.0209
187	MyrSpi		Patch	8/15/2016	41.52501	-73.45868	1-4	3	0.0230
188	MyrSpi		Patch	8/15/2016	41.55502	-73.48078	1-4	3	0.0239
189	MyrSpi		Patch	8/15/2016	41.53151	-73.46605	0-1	3	0.0249
190	MyrSpi		Patch	8/15/2016	41.53342	-73.46649	1-4	4	0.0252
191	MyrSpi		Patch	8/15/2016	41.54989	-73.47616	0-1	3	0.0256
192	MyrSpi		Patch	8/15/2016	41.54771	-73.47436	0-1	3	0.0300
193	MyrSpi		Patch	8/15/2016	41.55711	-73.47412	0-1	3	0.0313
194	MyrSpi		Patch	8/15/2016	41.51333	-73.46248	2-3	3	0.0328
195	MyrSpi		Patch	8/15/2016	41.53093	-73.46537	0-1	2	0.0372
196	MyrSpi		Patch	8/15/2016	41.55473	-73.48063	1-3	3	0.0385
197	MyrSpi		Patch	8/15/2016	41.51074	-73.46230	2-3	3	0.0461
198	MyrSpi		Patch	8/15/2016	41.55558	-73.48098	1-4	3	0.0482
199	MyrSpi		Patch	8/15/2016	41.55402	-73.48014	1-3	3	0.0597
200	MyrSpi		Patch	8/15/2016	41.50969	-73.46153	1-4	3	0.0605
201	MyrSpi		Patch	8/15/2016	41.55685	-73.48121	1-4	3	0.0790
202	MyrSpi		Patch	8/15/2016	41.55645	-73.48170	1-4	3	0.1427
203	MyrSpi		Patch	8/15/2016	41.55976	-73.48090	2-4	4	0.2019
204	MyrSpi		Patch	8/15/2016	41.52547	-73.45887	1-4	3	0.2058
205	MyrSpi		Patch	8/15/2016	41.53259	-73.46616	1-4	4	0.4919
206	MyrSpi		Patch	8/15/2016	41.53105	-73.46530	1-4	3	0.5065
207	MyrSpi		Patch	8/15/2016	41.56272	-73.48342	2-4	4	0.5998
208	MyrSpi		Patch	8/15/2016	41.52117	-73.46570	1-3	5	0.6843
209	MyrSpi		Patch	8/15/2016	41.55837	-73.48161	1-3	5	0.8306
210	MyrSpi		Patch	8/15/2016	41.56375	-73.48304	2-4	4	1.4053
211	MyrSpi		Patch	8/15/2016	41.53692	-73.46886	1-4	4	2.6650
212	MyrSpi		Patch	8/15/2016	41.52884	-73.46191	1-4	3	2.9941

Appendix Lake Candlewood Invasive Plant Location data (5 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
213	MyrSpi		Patch	8/15/2016	41.55984	-73.47546	1-5	4	3.0407
214	MyrSpi	With NajMin=3	Patch	8/15/2016	41.55809	-73.48364	1-4	3	4.4330
215	MyrSpi		Patch	8/15/2016	41.54925	-73.47594	1-4	4	4.9436
216	MyrSpi		Patch	8/15/2016	41.55773	-73.48072	1-4	4	7.5103
217	MyrSpi		Patch	8/15/2016	41.52171	-73.46368	1-4	4	20.7541
218	NajMin		Point	8/15/2016	41.53143	-73.46605	0-1	2	0.0002
219	MyrSpi		Point	8/22/2016	41.56698	-73.48823	1-3	2	0.0002
220	MyrSpi		Point	8/22/2016	41.56691	-73.48819	1-3	2	0.0002
221	MyrSpi		Point	8/22/2016	41.56410	-73.47881	1-3	2	0.0002
222	MyrSpi		Patch	8/22/2016	41.56608	-73.48775	0-1	3	0.0077
223	MyrSpi		Patch	8/22/2016	41.56641	-73.48797	0-1	3	0.0182
224	MyrSpi		Patch	8/22/2016	41.56103	-73.48468	1-4	3	0.1726
225	MyrSpi		Patch	8/22/2016	41.56795	-73.48862	1-4	4	0.5444
226	MyrSpi		Patch	8/22/2016	41.56620	-73.48806	1-4	4	0.6496
227	MyrSpi		Patch	8/22/2016	41.56679	-73.48699	1-4	3	1.0395
228	MyrSpi		Patch	8/22/2016	41.56967	-73.48427	1-3	5	1.7809
229	MyrSpi	With NajMin=2	Patch	8/22/2016	41.57096	-73.49140	1-3	5	3.9588
230	MyrSpi		Patch	8/22/2016	41.56770	-73.48304	1-4	4	5.1979
231	MyrSpi	With NajMin=2	Patch	8/22/2016	41.56372	-73.48756	1-4	4	7.1602
232	MyrSpi	With NajMin=2 in cove	Patch	8/22/2016	41.57101	-73.49061	1-4	4	9.0085
233	MyrSpi		Point	8/23/2016	41.53841	-73.45674	1-3	2	0.0002
234	MyrSpi		Point	8/23/2016	41.55493	-73.47221	1-3	2	0.0002
235	MyrSpi		Point	8/23/2016	41.50171	-73.45175	0-1	2	0.0002
236	MyrSpi		Point	8/23/2016	41.50613	-73.45357	0-1	2	0.0002
237	MyrSpi		Point	8/23/2016	41.51349	-73.45547	0-1	2	0.0002
238	MyrSpi		Patch	8/23/2016	41.55298	-73.46651	1-3	3	0.0090
239	MyrSpi		Patch	8/23/2016	41.55056	-73.46513	1-4	3	0.0098
240	MyrSpi		Patch	8/23/2016	41.53913	-73.45690	1-4	4	0.0290
241	MyrSpi		Patch	8/23/2016	41.53952	-73.45710	1-4	3	0.0462
242	MyrSpi		Patch	8/23/2016	41.53998	-73.45721	1-4	3	0.0505
243	MyrSpi		Patch	8/23/2016	41.55457	-73.47208	1-4	4	0.0674
244	MyrSpi		Patch	8/23/2016	41.55221	-73.46617	1-4	3	0.0686
245	MyrSpi		Patch	8/23/2016	41.53475	-73.45551	1-4	4	0.0812
246	MyrSpi		Patch	8/23/2016	41.54541	-73.46364	1-4	3	0.0917
247	MyrSpi		Patch	8/23/2016	41.54324	-73.45889	1-4	3	0.0928
248	MyrSpi		Patch	8/23/2016	41.54411	-73.46004	1-4	3	0.1287
249	MyrSpi		Patch	8/23/2016	41.54242	-73.45839	1-4	3	0.1488
250	MyrSpi		Patch	8/23/2016	41.54518	-73.46256	1-4	4	0.1496
251	MyrSpi		Patch	8/23/2016	41.55134	-73.46568	1-4	3	0.1558
252	MyrSpi		Patch	8/23/2016	41.54678	-73.46644	1-4	4	0.1774
253	MyrSpi		Patch	8/23/2016	41.54071	-73.45753	1-4	3	0.1785
254	MyrSpi		Patch	8/23/2016	41.55418	-73.46758	1-3	4	0.1812
255	MyrSpi		Patch	8/23/2016	41.53682	-73.45615	1-4	4	0.2062
256	MyrSpi		Patch	8/23/2016	41.54506	-73.46612	1-4	4	0.2282
257	MyrSpi	With NajMin=2	Patch	8/23/2016	41.55373	-73.47118	1-4	4	0.2974
258	MyrSpi		Patch	8/23/2016	41.54469	-73.46123	1-4	4	0.4376
259	MyrSpi		Patch	8/23/2016	41.51418	-73.45340	0-2	5	0.5295
260	MyrSpi		Patch	8/23/2016	41.50107	-73.45443	1-4	4	0.6437
261	MyrSpi	With NajMin=2	Patch	8/23/2016	41.55403	-73.46934	1-4	4	0.6443
262	MyrSpi		Patch	8/23/2016	41.55536	-73.47333	1-4	4	0.8491
263	MyrSpi		Patch	8/23/2016	41.54756	-73.46384	1-4	4	1.0980
264	MyrSpi		Patch	8/23/2016	41.54969	-73.46850	1-4	4	1.3347
265	MyrSpi		Patch	8/23/2016	41.52446	-73.45331	1-4	4	7.3961

Appendix Lake Candlewood Invasive Plant Location data (6 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
266	MyrSpi		Patch	8/23/2016	41.50419	-73.45317	1-4	4	17.7462
267	MyrSpi		Point	8/24/2016	41.49902	-73.44535	1-3	2	0.0002
268	MyrSpi		Point	8/24/2016	41.49979	-73.44524	1-3	2	0.0002
269	MyrSpi		Point	8/24/2016	41.49766	-73.44839	1-3	3	0.0002
270	MyrSpi		Point	8/24/2016	41.49747	-73.44823	1-3	3	0.0002
271	MyrSpi		Point	8/24/2016	41.49738	-73.44812	1-3	3	0.0002
272	MyrSpi		Point	8/24/2016	41.54375	-73.46629	0-1	2	0.0002
273	MyrSpi		Point	8/24/2016	41.49889	-73.44545	0-1	2	0.0002
274	MyrSpi		Patch	8/24/2016	41.49698	-73.44216	0-1	3	0.0062
275	MyrSpi		Patch	8/24/2016	41.54458	-73.46729	1-4	4	0.0115
276	MyrSpi		Patch	8/24/2016	41.53653	-73.46236	0-2	3	0.0128
277	MyrSpi		Patch	8/24/2016	41.47399	-73.44646	1-4	2	0.0177
278	MyrSpi		Patch	8/24/2016	41.49957	-73.44527	1-3	3	0.0260
279	MyrSpi		Patch	8/24/2016	41.50044	-73.44512	1-3	3	0.0262
280	MyrSpi		Patch	8/24/2016	41.54369	-73.46635	1-4	4	0.0669
281	MyrSpi		Patch	8/24/2016	41.50434	-73.44509	1-4	4	0.0773
282	MyrSpi		Patch	8/24/2016	41.54386	-73.46589	1-4	4	0.0924
283	MyrSpi		Patch	8/24/2016	41.50339	-73.44560	1-4	4	0.1026
284	MyrSpi		Patch	8/24/2016	41.50398	-73.44554	1-4	4	0.1066
285	MyrSpi		Patch	8/24/2016	41.53244	-73.46304	0-2	5	0.1354
286	MyrSpi		Patch	8/24/2016	41.54485	-73.46762	1-4	3	0.1787
287	MyrSpi		Patch	8/24/2016	41.51262	-73.43925	1-4	4	0.2242
288	MyrSpi		Patch	8/24/2016	41.53525	-73.46213	0-2	5	0.2282
289	MyrSpi		Patch	8/24/2016	41.47211	-73.44716	1-4	4	0.2778
290	MyrSpi		Patch	8/24/2016	41.53597	-73.46209	1-4	4	0.3121
291	MyrSpi		Patch	8/24/2016	41.50211	-73.44505	1-4	4	0.3168
292	MyrSpi		Patch	8/24/2016	41.50535	-73.44475	1-4	4	0.3218
293	MyrSpi		Patch	8/24/2016	41.54678	-73.46917	1-4	3	0.5417
294	MyrSpi		Patch	8/24/2016	41.54289	-73.46644	1-4	4	0.6002
295	MyrSpi		Patch	8/24/2016	41.51028	-73.43896	1-4	4	0.6044
296	MyrSpi		Patch	8/24/2016	41.47364	-73.44846	1-4	4	0.7665
297	MyrSpi		Patch	8/24/2016	41.50728	-73.43851	1-4	4	0.8747
298	MyrSpi		Patch	8/24/2016	41.49820	-73.44241	1-4	4	1.2994
299	MyrSpi		Patch	8/24/2016	41.55010	-73.47155	1-4	4	1.4292
300	MyrSpi		Patch	8/24/2016	41.50448	-73.44219	1-3	5	1.5453
301	MyrSpi		Patch	8/24/2016	41.47163	-73.44524	1-4	4	1.6760
302	MyrSpi		Patch	8/24/2016	41.53373	-73.46222	0-2	3	1.8151
303	MyrSpi		Patch	8/24/2016	41.49647	-73.44627	1-4	4	2.2087
304	MyrSpi		Patch	8/24/2016	41.53390	-73.46547	1-4	4	3.1902
305	MyrSpi		Patch	8/24/2016	41.51517	-73.44044	1-4	4	4.5996
306	MyrSpi		Patch	8/24/2016	41.53862	-73.46524	1-4	4	4.8002
307	MyrSpi		Patch	8/24/2016	41.50439	-73.44158	1-4	4	8.3626
308	MyrSpi		Point	8/25/2016	41.52333	-73.43829	1-3	2	0.0002
309	MyrSpi		Point	8/25/2016	41.55428	-73.43967	1-3	2	0.0002
310	MyrSpi		Point	8/25/2016	41.55426	-73.43969	1-3	2	0.0002
311	MyrSpi		Point	8/25/2016	41.55802	-73.43980	1-3	2	0.0002
312	MyrSpi		Point	8/25/2016	41.51478	-73.44147	0-1	2	0.0002
313	MyrSpi		Point	8/25/2016	41.53395	-73.43869	0-1	2	0.0002
314	MyrSpi		Point	8/25/2016	41.53396	-73.43869	0-1	2	0.0002
315	MyrSpi		Patch	8/25/2016	41.52228	-73.43611	0-2	4	0.0025
316	MyrSpi		Patch	8/25/2016	41.55684	-73.43962	1-4	4	0.0067
317	MyrSpi		Patch	8/25/2016	41.54806	-73.44287	1-4	3	0.0117
318	MyrSpi		Patch	8/25/2016	41.55774	-73.43976	1-4	3	0.0137

Appendix Lake Candlewood Invasive Plant Location data (7 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
319	MyrSpi		Patch	8/25/2016	41.54739	-73.44250	1-4	4	0.0157
320	MyrSpi		Patch	8/25/2016	41.55746	-73.43974	1-4	4	0.0165
321	MyrSpi		Patch	8/25/2016	41.53688	-73.44160	1-4	4	0.0178
322	MyrSpi		Patch	8/25/2016	41.56616	-73.44136	0-1	3	0.0201
323	MyrSpi		Patch	8/25/2016	41.53482	-73.43876	1-4	3	0.0244
324	MyrSpi		Patch	8/25/2016	41.52281	-73.43802	1-4	4	0.0246
325	MyrSpi		Patch	8/25/2016	41.52274	-73.43620	0-2	5	0.0264
326	MyrSpi		Patch	8/25/2016	41.53920	-73.44300	1-4	4	0.0271
327	MyrSpi		Patch	8/25/2016	41.53889	-73.44299	1-4	4	0.0312
328	MyrSpi		Patch	8/25/2016	41.52376	-73.43733	1-4	4	0.0316
329	MyrSpi		Patch	8/25/2016	41.55604	-73.43961	1-4	4	0.0516
330	MyrSpi		Patch	8/25/2016	41.52769	-73.43705	0-2	5	0.0522
331	MyrSpi		Patch	8/25/2016	41.54693	-73.44229	1-4	4	0.0653
332	MyrSpi		Patch	8/25/2016	41.54933	-73.44358	1-4	3	0.0831
333	MyrSpi		Patch	8/25/2016	41.55131	-73.43984	1-4	3	0.0855
334	MyrSpi	With NajMin=2	Patch	8/25/2016	41.56941	-73.44286	1-4	4	0.0948
335	MyrSpi	With NajMin=2	Patch	8/25/2016	41.52224	-73.43567	1-3	5	0.1023
336	MyrSpi		Patch	8/25/2016	41.55307	-73.43957	1-4	3	0.1063
337	MyrSpi		Patch	8/25/2016	41.54854	-73.44316	1-4	3	0.1158
338	MyrSpi		Patch	8/25/2016	41.52394	-73.43835	1-4	3	0.1231
339	MyrSpi		Patch	8/25/2016	41.55084	-73.44082	1-4	2	0.1245
340	MyrSpi		Patch	8/25/2016	41.55083	-73.44026	1-4	2	0.1431
341	MyrSpi		Patch	8/25/2016	41.55377	-73.43972	1-4	4	0.2368
342	MyrSpi	With NajMin=2	Patch	8/25/2016	41.53539	-73.43890	1-4	3	0.3069
343	MyrSpi		Patch	8/25/2016	41.52497	-73.43788	1-4	4	0.3362
344	MyrSpi	With NajMin=2	Patch	8/25/2016	41.56862	-73.44278	1-4	4	0.4052
345	MyrSpi		Patch	8/25/2016	41.54581	-73.44253	1-4	4	0.4102
346	MyrSpi		Patch	8/25/2016	41.53779	-73.44236	1-4	4	0.4550
347	MyrSpi		Patch	8/25/2016	41.53590	-73.44063	1-4	4	0.5163
348	MyrSpi		Patch	8/25/2016	41.55120	-73.44403	1-4	4	0.5171
349	MyrSpi		Patch	8/25/2016	41.57118	-73.44301	1-3	5	0.5194
350	MyrSpi		Patch	8/25/2016	41.51941	-73.43537	1-4	5	0.5451
351	MyrSpi		Patch	8/25/2016	41.57252	-73.44427	1-3	5	0.5727
352	MyrSpi		Patch	8/25/2016	41.54462	-73.44296	1-4	4	0.5929
353	MyrSpi		Patch	8/25/2016	41.51147	-73.44113	2-4	4	0.6988
354	MyrSpi	With NajMin=2	Patch	8/25/2016	41.56712	-73.44218	1-4	4	0.7121
355	MyrSpi		Patch	8/25/2016	41.52218	-73.43760	1-4	4	0.8963
356	MyrSpi	With NajMin=2	Patch	8/25/2016	41.57121	-73.44302	1-4	4	1.0656
357	MyrSpi		Patch	8/25/2016	41.55983	-73.44039	1-4	4	1.1023
358	MyrSpi		Patch	8/25/2016	41.56255	-73.44053	1-4	4	1.1979
359	MyrSpi		Patch	8/25/2016	41.56536	-73.44106	1-4	4	1.2087
360	MyrSpi		Patch	8/25/2016	41.55255	-73.44254	1-4	4	1.3180
361	MyrSpi		Patch	8/25/2016	41.54216	-73.44349	1-4	4	1.9265
362	MyrSpi	With NajMin=2	Patch	8/25/2016	41.51960	-73.43611	1-4	4	2.5301
363	MyrSpi		Patch	8/25/2016	41.53025	-73.43857	1-4	4	3.7238
364	MyrSpi		Point	8/30/2016	41.57142	-73.44569	1-3	2	0.0002
365	MyrSpi		Point	8/30/2016	41.57143	-73.44575	1-3	2	0.0002
366	MyrSpi		Point	8/30/2016	41.51757	-73.44564	1-3	2	0.0002
367	MyrSpi		Point	8/30/2016	41.51756	-73.44559	1-3	2	0.0002
368	MyrSpi		Point	8/30/2016	41.51253	-73.44459	1-3	2	0.0002
369	MyrSpi		Point	8/30/2016	41.51238	-73.44468	1-3	2	0.0002
370	MyrSpi		Patch	8/30/2016	41.53615	-73.44726	1-4	2	0.0094
371	MyrSpi		Patch	8/30/2016	41.55906	-73.44372	1-4	4	0.0113

Appendix Lake Candlewood Invasive Plant Location data (8 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
372	MyrSpi		Patch	8/30/2016	41.53166	-73.44823	1-4	3	0.0118
373	MyrSpi		Patch	8/30/2016	41.52056	-73.44624	1-4	3	0.0309
374	MyrSpi		Patch	8/30/2016	41.53753	-73.44725	1-4	4	0.0323
375	MyrSpi		Patch	8/30/2016	41.54102	-73.44702	1-4	3	0.0346
376	MyrSpi		Patch	8/30/2016	41.53122	-73.44827	1-4	3	0.0423
377	MyrSpi		Patch	8/30/2016	41.54016	-73.44673	1-4	4	0.0625
378	MyrSpi		Patch	8/30/2016	41.53833	-73.44688	1-4	4	0.0737
379	MyrSpi		Patch	8/30/2016	41.50930	-73.44584	1-4	3	0.0803
380	MyrSpi		Patch	8/30/2016	41.51050	-73.44546	1-4	4	0.0844
381	MyrSpi		Patch	8/30/2016	41.52720	-73.44633	1-4	3	0.0897
382	MyrSpi		Patch	8/30/2016	41.52606	-73.44601	1-4	4	0.0990
383	MyrSpi		Patch	8/30/2016	41.53054	-73.44782	1-4	3	0.1005
384	MyrSpi		Patch	8/30/2016	41.51811	-73.44549	1-4	3	0.1066
385	MyrSpi		Patch	8/30/2016	41.53252	-73.44830	1-4	3	0.1238
386	MyrSpi		Patch	8/30/2016	41.56010	-73.44396	1-3	5	0.2233
387	MyrSpi		Patch	8/30/2016	41.51157	-73.44497	1-4	4	0.2552
388	MyrSpi		Patch	8/30/2016	41.55821	-73.44361	1-4	4	0.3099
389	MyrSpi		Patch	8/30/2016	41.56846	-73.44550	1-4	4	0.3457
390	MyrSpi		Patch	8/30/2016	41.52901	-73.44703	1-4	4	0.3706
391	MyrSpi		Patch	8/30/2016	41.53465	-73.44756	1-4	3	0.4044
392	MyrSpi		Patch	8/30/2016	41.50764	-73.44552	1-4	3	0.4250
393	MyrSpi		Patch	8/30/2016	41.52212	-73.44601	1-4	4	0.4671
394	MyrSpi		Patch	8/30/2016	41.56650	-73.44508	1-4	4	0.5600
395	MyrSpi		Patch	8/30/2016	41.55426	-73.44491	1-4	4	1.4972
396	MyrSpi		Patch	8/30/2016	41.52347	-73.44623	1-4	4	1.8547
397	MyrSpi		Patch	8/30/2016	41.54747	-73.44701	1-4	4	3.7716
398	MyrSpi		Patch	8/30/2016	41.56240	-73.44440	1-4	4	4.3014
399	MyrSpi		Patch	8/30/2016	41.52786	-73.44255	1-4	4	8.4996
400	MyrSpi		Patch	9/2/2016	41.44979	-73.43190	1-4	4	0.0695
401	MyrSpi	With NajMin=2	Patch	9/2/2016	41.44832	-73.43033	1-4	4	3.8841
402	MyrSpi		Patch	8/4/2016	41.45251	-73.43612	0-1	2	2.36611
403	MyrSpi		Patch	8/4/2016	41.45251	-73.43612	0-1	2	2.36611
404	MyrSpi		Patch	8/4/2016	41.44230	-73.45167	0-1	2	0.13093
405	NajMin		Patch	8/4/2016	41.43892	-73.45339	0-1	2	0.46684
406	NajMin		Patch	8/4/2016	41.42783	-73.45033	0-1	2	0.10415
407	NajMin		Patch	8/4/2016	41.42767	-73.44935	0-1	2	0.01636
408	NajMin		Patch	8/4/2016	41.42595	-73.44985	0-1	2	0.16129
409	NajMin		Patch	8/4/2016	41.42422	-73.45276	0-1	2	0.25853
410	NajMin		Patch	8/4/2016	41.42446	-73.45516	0-1	2	0.23577
411	NajMin		Patch	8/4/2016	41.42332	-73.45397	0-1	2	0.31753
412	MyrSpi		Patch	8/4/2016	41.43912	-73.45891	0-1	2	0.18562
413	MyrSpi		Patch	8/4/2016	41.45683	-73.45393	0-1	2	0.76118
414	MyrSpi		Patch	8/5/2016	41.46444	-73.45867	0-1	2	0.06982
415	MyrSpi		Patch	8/5/2016	41.46410	-73.46248	0-1	2	0.05395
416	MyrSpi		Patch	8/5/2016	41.47569	-73.46156	0-1	2	0.06038
417	MyrSpi		Patch	8/5/2016	41.48085	-73.45737	0-1	3	0.20032
418	MyrSpi		Patch	8/5/2016	41.47074	-73.45087	0-1	2	0.04319
419	MyrSpi		Patch	8/5/2016	41.47022	-73.45075	0-1	2	0.05882
420	MyrSpi		Patch	8/5/2016	41.47158	-73.45160	0-1	2	0.07479
421	MyrSpi		Patch	8/5/2016	41.46967	-73.45044	0-1	2	0.11900
422	MyrSpi		Patch	8/5/2016	41.45487	-73.43337	0-1	2	0.52306
423	MyrSpi		Patch	8/5/2016	41.44989	-73.43074	0-1	2	0.16468
424	MyrSpi		Patch	8/5/2016	41.45064	-73.43120	0-1	2	0.05989

Appendix Lake Candlewood Invasive Plant Location data (9 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
425	MyrSpi		Patch	8/30/2016	41.56682	-73.44527	0-1	3	0.03200
426	MyrSpi		Patch	8/30/2016	41.55972	-73.44416	0-1	3	0.12993
427	MyrSpi		Patch	8/30/2016	41.56136	-73.44437	0-1	3	0.14206
428	MyrSpi		Patch	8/30/2016	41.56531	-73.44509	0-1	3	0.06193
429	MyrSpi		Patch	8/30/2016	41.54460	-73.44810	0-1	2	0.19054
430	MyrSpi		Patch	8/30/2016	41.54574	-73.44736	0-1	2	0.09051
431	MyrSpi		Patch	8/30/2016	41.55034	-73.44595	0-1	2	0.40011
432	MyrSpi		Patch	9/2/2016	41.44968	-73.43190	0-1	3	0.01644
433	MyrSpi		Patch	9/2/2016	41.44642	-73.42933	0-1	2	4.28899
434	NajMin		Patch	8/22/2016	41.57205	-73.49069	0-1	2	3.91680
435	NajMin		Patch	8/22/2016	41.57217	-73.49189	0-1	2	0.04720
436	NajMin		Patch	8/22/2016	41.57069	-73.49169	0-1	2	0.24533
437	MyrSpi		Patch	8/22/2016	41.56751	-73.48830	0-1	2	0.03947
438	MyrSpi		Patch	8/22/2016	41.56709	-73.48681	0-1	2	0.47454
439	MyrSpi		Patch	8/22/2016	41.56669	-73.49017	0-1	2	0.06633
440	MyrSpi		Patch	8/22/2016	41.56333	-73.48778	0-1	2	0.75102
441	NajMin		Patch	8/22/2016	41.56333	-73.48778	0-1	2	0.75102
442	MyrSpi		Patch	8/23/2016	41.55428	-73.46755	0-1	3	0.14456
443	NajMin		Patch	8/23/2016	41.55402	-73.46987	0-1	2	0.09420
444	MyrSpi		Patch	8/23/2016	41.55402	-73.46987	0-1	3	0.09420
445	MyrSpi		Patch	8/23/2016	41.55396	-73.47131	0-1	3	0.05624
446	NajMin		Patch	8/23/2016	41.55396	-73.47131	0-1	2	0.05624
447	MyrSpi		Patch	8/23/2016	41.55523	-73.47337	0-1	2	0.04699
448	MyrSpi		Patch	8/23/2016	41.54877	-73.46703	0-1	3	0.00428
449	MyrSpi		Patch	8/23/2016	41.54917	-73.46770	0-1	3	0.08331
450	MyrSpi		Patch	8/23/2016	41.54945	-73.46844	0-1	3	0.04638
451	MyrSpi		Patch	8/23/2016	41.55068	-73.46996	0-1	3	0.24793
452	MyrSpi		Patch	8/24/2016	41.54691	-73.46647	0-1	3	0.11690
453	MyrSpi		Patch	8/24/2016	41.47211	-73.44687	0-1	2	0.34152
454	MyrSpi		Patch	8/24/2016	41.47355	-73.44830	0-1	2	0.64162
455	MyrSpi		Patch	8/24/2016	41.50409	-73.44543	0-1	3	0.04519
456	MyrSpi		Patch	8/25/2016	41.52235	-73.43570	0-1	4	0.03985
457	NajMin		Patch	8/25/2016	41.52235	-73.43570	0-1	2	0.03985
458	MyrSpi		Patch	8/25/2016	41.52229	-73.43608	0-1	2	0.00780
459	MyrSpi		Patch	8/25/2016	41.52280	-73.43611	0-1	2	0.03848
460	NajMin		Patch	8/25/2016	41.53556	-73.43880	0-1	2	0.00569
461	NajMin		Patch	8/25/2016	41.53554	-73.43911	0-1	2	0.00840
462	MyrSpi		Patch	8/25/2016	41.55077	-73.44096	0-1	2	0.06973
463	MyrSpi		Patch	8/25/2016	41.56937	-73.44264	0-1	4	0.05630
464	NajMin		Patch	8/25/2016	41.56937	-73.44264	0-1	2	0.05630
465	NajMin		Patch	8/25/2016	41.56852	-73.44264	0-1	2	0.20398
466	MyrSpi		Patch	8/25/2016	41.56852	-73.44264	0-1	2	0.20398
467	NajMin		Patch	8/25/2016	41.56715	-73.44202	0-1	2	0.36861
468	MyrSpi		Patch	8/25/2016	41.56715	-73.44202	0-1	3	0.36861
469	MyrSpi		Patch	8/25/2016	41.55061	-73.44028	0-1	2	0.40724
470	MyrSpi		Patch	8/12/2016	41.49970	-73.46917	0-1	3	0.83055
471	NajMin		Patch	8/12/2016	41.49972	-73.46917	0-1	3	0.84740
472	MyrSpi		Patch	8/12/2016	41.49726	-73.46801	0-1	3	0.27198
473	NajMin		Patch	8/12/2016	41.49726	-73.46801	0-1	3	0.27198
474	MyrSpi		Patch	8/12/2016	41.51026	-73.46918	0-1	3	0.19811
475	MyrSpi		Patch	8/12/2016	41.50710	-73.46501	0-1	3	0.32313
476	NajMin		Patch	8/12/2016	41.50710	-73.46501	0-1	2	0.32313
477	NajMin		Patch	8/12/2016	41.51026	-73.46918	0-1	2	0.19811

Appendix Lake Candlewood Invasive Plant Location data (10 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
478	MyrSpi		Patch	8/15/2016	41.55856	-73.48475	0-1	3	0.79201
479	NajMin		Patch	8/15/2016	41.55856	-73.48475	0-1	3	0.79201
480	MyrSpi		Patch	8/4/2016	41.44562	-73.44823	0-1	2	0.99261
481	NajMin		Patch	8/12/2016	41.48607	-73.45962	0-1	4	0.68296
482	MyrSpi		Patch	8/12/2016	41.48607	-73.45962	0-1	4	0.68296
483	MyrSpi		Patch	8/12/2016	41.48745	-73.46271	0-1	2	1.01495
484	NajMin		Patch	8/12/2016	41.48745	-73.46271	0-1	2	1.01495
485	MyrSpi		Patch	8/12/2016	41.48849	-73.46425	0-1	2	0.05499
486	MyrSpi		Patch	8/12/2016	41.49121	-73.46613	0-1	2	0.05354
487	NajMin		Patch	8/12/2016	41.50803	-73.46870	0-1	4	1.36511
488	MyrSpi		Patch	8/12/2016	41.51006	-73.47066	0-1	4	0.07650
489	MyrSpi		Patch	8/12/2016	41.50738	-73.46820	0-1	2	0.34163
490	NajMin		Patch	8/15/2016	41.51486	-73.46268	0-1	2	0.19561
491	MyrSpi		Patch	8/15/2016	41.51500	-73.46268	0-1	2	0.14423
492	MyrSpi		Patch	8/15/2016	41.51758	-73.46372	0-1	2	0.70704
493	NajMin		Patch	8/15/2016	41.51798	-73.46400	0-1	2	1.19201
494	NajMin		Patch	8/15/2016	41.52131	-73.46601	0-1	2	0.24911
495	NajMin		Patch	8/15/2016	41.52198	-73.46513	0-1	2	0.17430
496	MyrSpi		Patch	8/15/2016	41.52131	-73.46601	0-1	4	0.24911
497	NajMin		Patch	8/15/2016	41.52214	-73.46404	0-1	4	0.16967
498	MyrSpi		Patch	8/15/2016	41.52202	-73.46509	0-1	2	0.13218
499	MyrSpi		Patch	8/15/2016	41.52351	-73.46558	0-1	4	0.99977
500	NajMin		Patch	8/15/2016	41.52484	-73.46524	0-1	3	6.49991
501	MyrSpi		Patch	8/15/2016	41.52487	-73.46598	0-1	3	1.54153
502	MyrSpi		Patch	8/15/2016	41.52588	-73.46502	0-1	2	2.80121
503	MyrSpi		Patch	8/15/2016	41.52388	-73.46440	0-1	3	1.22704
504	MyrSpi		Patch	8/15/2016	41.52260	-73.46417	0-1	2	0.15447
505	MyrSpi		Patch	8/15/2016	41.52214	-73.46404	0-1	4	0.17050
506	MyrSpi		Patch	8/15/2016	41.52135	-73.46225	0-1	2	1.93014
507	MyrSpi		Patch	8/15/2016	41.52276	-73.46028	0-1	2	0.16844
508	NajMin		Patch	8/15/2016	41.52272	-73.46031	0-1	3	0.17011
509	NajMin		Patch	8/15/2016	41.52138	-73.46218	0-1	2	2.00863
510	NajMin		Patch	8/22/2016	41.56706	-73.48429	0-1	2	0.13947
511	MyrSpi		Patch	8/15/2016	41.52233	-73.45953	0-1	4	0.06719
512	MyrSpi		Patch	8/15/2016	41.52183	-73.45927	0-1	4	0.02369
513	MyrSpi		Patch	8/15/2016	41.52165	-73.45920	0-1	2	0.03634
514	MyrSpi		Patch	8/15/2016	41.52114	-73.45868	0-1	2	0.03578
515	MyrSpi		Patch	8/15/2016	41.52944	-73.46381	0-1	2	0.13359
516	MyrSpi		Patch	8/15/2016	41.55111	-73.47780	0-1	2	0.47301
517	NajMin		Patch	8/15/2016	41.55219	-73.47955	0-1	2	0.09146
518	MyrSpi		Patch	8/15/2016	41.55668	-73.48034	0-1	3	0.11742
519	MyrSpi		Patch	8/15/2016	41.55862	-73.48213	0-1	3	0.03128
520	MyrSpi		Patch	8/15/2016	41.55787	-73.48123	0-1	3	0.02495
521	MyrSpi		Patch	8/22/2016	41.56717	-73.48351	0-1	2	0.10746
522	MyrSpi		Patch	8/22/2016	41.56706	-73.48429	0-1	3	0.13947
523	NajMin		Patch	8/22/2016	41.56952	-73.48393	0-1	2	6.48636
524	MyrSpi		Patch	8/22/2016	41.57011	-73.48377	0-1	4	2.71954
525	NajMin		Patch	8/23/2016	41.50109	-73.45129	0-1	3	0.46001
526	MyrSpi		Patch	8/23/2016	41.50109	-73.45129	0-1	2	0.46001
527	NajMin		Patch	8/23/2016	41.49733	-73.45350	0-1	2	0.07564
528	NajMin		Patch	8/22/2016	41.56847	-73.48247	0-1	2	1.03651
529	MyrSpi		Patch	8/22/2016	41.56846	-73.48229	0-1	4	0.71580
530	MyrSpi		Patch	8/22/2016	41.56857	-73.48262	0-1	5	0.67574

Appendix Lake Candlewood Invasive Plant Location data (11 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
531	NajMin		Patch	8/24/2016	41.53557	-73.46568	0-1	2	0.63745
532	MyrSpi		Patch	8/24/2016	41.53557	-73.46568	0-1	2	0.63745
533	MyrSpi		Patch	8/24/2016	41.50288	-73.45179	0-1	2	0.72316
534	MyrSpi		Patch	8/24/2016	41.53562	-73.46201	0-1	3	0.16779
535	MyrSpi		Patch	8/23/2016	41.54610	-73.46346	0-1	3	0.05189
536	MyrSpi		Patch	8/23/2016	41.53257	-73.45439	0-1	2	0.20190
537	MyrSpi		Patch	8/23/2016	41.53126	-73.45438	0-1	2	0.42137
538	MyrSpi		Patch	8/23/2016	41.52981	-73.45362	0-1	2	0.13204
539	MyrSpi		Patch	8/23/2016	41.51865	-73.45178	0-1	2	0.09839
540	MyrSpi		Patch	8/23/2016	41.51740	-73.45213	0-1	2	0.13661
541	NajMin		Patch	8/24/2016	41.53559	-73.46201	0-1	3	0.20011
542	NajMin		Patch	8/24/2016	41.49681	-73.44659	0-1	3	0.23510
543	MyrSpi		Patch	8/24/2016	41.49681	-73.44659	0-1	3	0.23676
544	MyrSpi		Patch	8/24/2016	41.53983	-73.46394	0-1	2	0.04416
545	NajMin		Patch	8/24/2016	41.49710	-73.44651	0-1	3	0.31056
546	MyrSpi		Patch	8/24/2016	41.49710	-73.44651	0-1	3	0.31056
547	NajMin		Patch	8/24/2016	41.49734	-73.44753	0-1	2	0.01293
548	MyrSpi		Patch	8/24/2016	41.49734	-73.44753	0-1	2	0.01293
549	MyrSpi		Patch	8/24/2016	41.51380	-73.43970	0-1	3	0.24939
550	NajMin		Patch	8/25/2016	41.51380	-73.43970	0-1	3	0.24939
551	NajMin		Patch	8/24/2016	41.50307	-73.43949	0-1	2	1.21627
552	MyrSpi		Patch	8/25/2016	41.51584	-73.44080	0-1	3	0.47194
553	NajMin		Patch	8/25/2016	41.51584	-73.44080	0-1	2	0.47194
554	NajMin		Patch	8/25/2016	41.54340	-73.44285	0-1	2	0.00697
555	MyrSpi		Patch	8/25/2016	41.53447	-73.43878	0-1	3	0.02632
556	MyrSpi		Patch	8/24/2016	41.51716	-73.43907	0-1	2	0.53848
557	MyrSpi		Patch	8/25/2016	41.54340	-73.44285	0-1	3	0.00697
558	MyrSpi		Patch	8/30/2016	41.52798	-73.44236	0-1	3	0.01378
559	MyrSpi		Patch	8/30/2016	41.52874	-73.44283	0-1	2	0.34004
560	NajMin		Patch	8/30/2016	41.52886	-73.44292	0-1	2	0.13656
561	MyrSpi		Patch	8/9/2016	41.46047	-73.42964	0-1	2	0.47779
562	NajMin		Patch	8/9/2016	41.46047	-73.42964	0-1	2	0.47779
563	NajMin		Patch	8/9/2016	41.45964	-73.42807	0-1	3	0.65228
564	MyrSpi		Patch	8/9/2016	41.45964	-73.42807	0-1	3	0.65228
565	NajMin		Patch	8/9/2016	41.46079	-73.42797	0-1	2	0.32406
566	MyrSpi		Patch	8/9/2016	41.46079	-73.42797	0-1	2	0.32406
567	MyrSpi		Patch	8/9/2016	41.46591	-73.42528	0-1	2	4.32171
568	NajMin		Patch	8/9/2016	41.46591	-73.42528	0-1	2	4.32171
569	NajMin		Patch	8/9/2016	41.46897	-73.43114	0-1	2	0.23722
570	MyrSpi		Patch	8/9/2016	41.46897	-73.43114	0-1	2	0.23722
571	NajMin		Patch	8/9/2016	41.46986	-73.42997	0-1	2	0.03640
572	MyrSpi		Patch	8/9/2016	41.47172	-73.43346	0-1	2	0.75365
573	NajMin		Patch	8/9/2016	41.47207	-73.43409	0-1	2	0.35946
574	NajMin		Patch	8/9/2016	41.47140	-73.43288	0-1	3	0.39419
575	NajMin		Patch	8/9/2016	41.47237	-73.43557	0-1	3	0.03232
576	MyrSpi		Patch	8/9/2016	41.47237	-73.43557	0-1	3	0.03232
577	NajMin		Patch	8/9/2016	41.47287	-73.43739	0-1	3	1.31670
578	MyrSpi		Patch	8/9/2016	41.47287	-73.43739	0-1	3	1.31670
579	NajMin		Patch	8/9/2016	41.46760	-73.43513	0-1	2	0.64155
580	MyrSpi		Patch	8/9/2016	41.46838	-73.43512	0-1	2	0.99601
581	MyrSpi		Patch	8/9/2016	41.47750	-73.43365	0-1	3	3.62752
582	NajMin		Patch	8/9/2016	41.48314	-73.43729	0-1	2	0.30626
583	MyrSpi		Patch	8/9/2016	41.48411	-73.43875	0-1	2	1.13900

Appendix Lake Candlewood Invasive Plant Location data (12 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
584	MyrSpi		Patch	8/9/2016	41.47019	-73.44068	0-1	2	0.35770
585	NajMin		Patch	8/9/2016	41.47799	-73.43383	0-1	2	4.24360
586	MyrSpi		Patch	8/9/2016	41.48073	-73.43490	0-1	3	0.71875
587	NajMin		Patch	8/9/2016	41.48311	-73.43532	0-1	2	0.57036
588	MyrSpi		Patch	8/9/2016	41.48311	-73.43532	0-1	2	0.57036
589	MyrSpi		Patch	8/4/2016	41.44287	-73.45628	0-2	2	0.06064
590	MyrSpi		Patch	8/4/2016	41.44269	-73.45643	1-3	2	0.07651
591	MyrSpi		Patch	8/4/2016	41.44325	-73.45607	0-2	2	0.02614
592	MyrSpi		Patch	8/9/2016	41.44648	-73.45419	0-2	4	0.08961
593	MyrSpi		Patch	8/9/2016	41.46983	-73.42981	0-1	2	0.07351
594	MyrSpi		Patch	8/9/2016	41.47896	-73.44316	0-1	3	0.16129
595	MyrSpi		Patch	8/9/2016	41.47838	-73.44403	0-1	2	0.11243
596	MyrSpi		Patch	8/25/2016	41.57172	-73.44572	1-3	3	0.03266
597	MyrSpi		Patch	8/9/2016	41.48762	-73.43518	0-1	2	0.09564
598	MyrSpi		Patch	8/9/2016	41.48627	-73.43424	0-1	3	0.03184
599	MyrSpi		Patch	8/9/2016	41.48633	-73.43404	0-1	2	0.01155
600	MyrSpi		Patch	8/9/2016	41.48532	-73.43481	0-1	2	0.01599
601	MyrSpi		Patch	8/30/2016	41.51489	-73.44424	1-3	2	0.03659
602	MyrSpi		Patch	8/30/2016	41.51324	-73.44438	1-3	2	0.01179
603	MyrSpi		Patch	8/22/2016	41.56346	-73.47834	1-3	2	0.04845
604	MyrSpi		Patch	8/23/2016	41.51496	-73.45407	1-3	2	0.00234
605	MyrSpi		Patch	8/23/2016	41.54527	-73.46280	0-1	2	0.01920
606	MyrSpi		Patch	8/23/2016	41.54522	-73.46317	1-3	2	0.00768
607	NajMin		Patch	8/12/2016	41.53220	-73.46607	0-1	2	0.00685
608	MyrSpi		Patch	8/12/2016	41.52371	-73.45835	0-1	2	0.02500
609	MyrSpi		Patch	8/12/2016	41.52731	-73.43741	0-1	2	0.04524
610	MyrSpi		Patch	8/12/2016	41.51009	-73.46181	0-1	2	0.03552
611	MyrSpi		Patch	8/12/2016	41.50521	-73.46058	0-1	2	0.01514
612	MyrSpi		Patch	8/12/2016	41.50558	-73.46050	0-1	2	0.00529
613	MyrSpi		Patch	8/12/2016	41.50596	-73.46053	0-1	2	0.00919
614	NajMin		Patch	8/12/2016	41.48689	-73.46045	0-1	2	0.06022
615	MyrSpi		Patch	8/12/2016	41.53220	-73.46607	0-1	2	0.00685
616	NajMin		Patch	9/2/2016	41.44614	-73.42910	0-1	2	3.49409
617	NajMin		Patch	9/2/2016	41.44781	-73.43048	0-1	2	0.61267
618	MyrSpi		Patch	8/25/2016	41.57149	-73.44277	0-1	2	0.01929
619	MyrSpi		Patch	8/22/2016	41.57034	-73.48887	0-1	3	2.13981
620	MyrSpi		Patch	8/22/2016	41.57103	-73.48843	0-1	2	0.00526
621	MyrSpi		Patch	8/22/2016	41.57055	-73.48869	0-1	2	0.03839
622	MyrSpi		Patch	8/24/2016	41.51288	-73.44116	0-1	3	0.00828
623	MyrSpi		Patch	8/24/2016	41.51222	-73.44125	0-1	3	0.00548
624	NajMin		Patch	8/24/2016	41.51295	-73.44116	0-1	2	0.02788
625	MyrSpi		Patch	8/23/2016	41.51394	-73.45336	0-1	3	0.09313
626	MyrSpi		Patch	8/23/2016	41.51383	-73.45336	0-1	2	0.11985
627	MyrSpi		Patch	8/23/2016	41.50194	-73.45219	1-3	3	0.05464
628	NajMin		Patch	8/9/2016	41.47024	-73.43523	0-1	2	0.00656
629	MyrSpi		Patch	8/9/2016	41.48036	-73.43463	0-1	2	0.07414
630	MyrSpi		Patch	8/9/2016	41.48039	-73.43488	1-3	5	0.14412
631	MyrSpi		Patch	8/9/2016	41.48018	-73.43546	1-3	5	0.03292
632	NajMin		Patch	8/9/2016	41.48016	-73.43566	0-1	3	0.17093
633	MyrSpi		Patch	8/9/2016	41.48028	-73.43547	1-3	3	3.19354
634	MyrSpi		Patch	8/4/2016	41.42400	-73.45264	0-1	3	0.13547
635	MyrSpi		Patch	8/4/2016	41.42437	-73.45284	1-3	5	0.07405
636	NajMin		Patch	8/4/2016	41.42394	-73.45259	0-1	2	0.00059

Appendix Lake Candlewood Invasive Plant Location data (13 of 13)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
637	MyrSpi		Patch	8/4/2016	41.42747	-73.44912	0-1	2	0.27109
638	MyrSpi		Patch	8/4/2016	41.42731	-73.45001	1-3	3	0.34107
639	MyrSpi		Patch	8/4/2016	41.42741	-73.44973	1-3	2	0.05206

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (1 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
1	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:02:31pm	41.42749	-73.44957
2	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:02:37pm	41.42757	-73.44968
3	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:02:43pm	41.42759	-73.44981
4	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:02:45pm	41.42759	-73.44989
5	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:02:53pm	41.42769	-73.44992
6	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:03:10pm	41.42761	-73.45012
7	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:03:35pm	41.42768	-73.45023
8	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:03:45pm	41.42754	-73.45017
9	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:11:06pm	41.42751	-73.45057
10	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:11:46pm	41.42778	-73.45142
11	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:23:59pm	41.42484	-73.45472
12	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:24:34pm	41.42478	-73.45494
13	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:24:49pm	41.42477	-73.45502
14	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:25:19pm	41.42475	-73.45517
15	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:25:25pm	41.42475	-73.45516
16	Greg Bugbee	MyrSpi	Point	Depth = 0-2 meters	8/4/2016	01:25:32pm	41.42474	-73.45516
17	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/4/2016	01:27:34pm	41.42461	-73.45443
18	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/4/2016	01:28:53pm	41.42439	-73.45418
19	Greg Bugbee	MyrSpi	Point	Depth = 2 meters	8/4/2016	01:54:29pm	41.43014	-73.46028
20	Greg Bugbee	MyrSpi	Point	Depth = 2 meters	8/4/2016	01:56:37pm	41.43108	-73.46027
21	Greg Bugbee	MyrSpi	Point	Depth = 2 meters	8/4/2016	01:57:10pm	41.43140	-73.46012
22	Greg Bugbee	MyrSpi	Point	Depth = 2 meters	8/4/2016	01:57:52pm	41.43207	-73.46002
23	Greg Bugbee	MyrSpi	Point	Depth = 2 meters	8/4/2016	01:58:06pm	41.43227	-73.46005
24	Greg Bugbee	MyrSpi	Point	Depth = 2 meters	8/4/2016	01:58:41pm	41.43236	-73.45997
25	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/4/2016	02:08:17pm	41.43231	-73.46003
26	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/4/2016	02:09:47pm	41.43238	-73.45995
27	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/4/2016	02:10:04pm	41.43240	-73.45995
28	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/4/2016	02:11:28pm	41.43273	-73.45973
29	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/4/2016	02:11:49pm	41.43293	-73.45978
30	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/4/2016	02:25:49pm	41.43871	-73.45888
31	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/4/2016	02:26:16pm	41.43885	-73.45881
32	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/4/2016	02:26:28pm	41.43895	-73.45876
33	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/4/2016	02:26:31pm	41.43900	-73.45875
34	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/4/2016	02:26:41pm	41.43905	-73.45878
35	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/4/2016	02:28:06pm	41.43963	-73.45826
36	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/4/2016	02:29:19pm	41.44091	-73.45739
37	Greg Bugbee	MyrSpi	Point	Depth = 2 meters	8/4/2016	03:09:44pm	41.45614	-73.45071
38	Greg Bugbee	MyrSpi	Point	Depth = 2 meters	8/4/2016	03:11:31pm	41.45708	-73.45375
39	Greg Bugbee	MyrSpi	Point	Depth = 2 meters	8/4/2016	03:11:52pm	41.45685	-73.45396
40	Greg Bugbee	MyrSpi	Point	Depth = 1.5 meters	8/4/2016	03:12:11pm	41.45671	-73.45419
41	Greg Bugbee	MyrSpi	Point	Depth = 1 meter	8/4/2016	03:12:41pm	41.45661	-73.45410
42	Greg Bugbee	MyrSpi	Point	Depth = 0.5 meters	8/4/2016	03:13:25pm	41.45657	-73.45398
43	Greg Bugbee	MyrSpi	Point	Depth = 0.5-2 meters	8/4/2016	11:01:05am	41.44077	-73.45225
44	Greg Bugbee	MyrSpi	Point	Depth = 0.5-2 meters	8/4/2016	11:02:24am	41.44073	-73.45228
45	Greg Bugbee	MyrSpi	Point	Depth = 0.5-2 meters	8/4/2016	11:02:37am	41.44057	-73.45235
46	Greg Bugbee	MyrSpi	Point	Depth = 2 meters	8/4/2016	11:03:17am	41.44025	-73.45263
47	Greg Bugbee	MyrSpi	Point	Depth = 2 meters	8/4/2016	11:05:09am	41.43919	-73.45319
48	Greg Bugbee	MyrSpi	Point	Depth = 0.5 meters	8/4/2016	11:06:28am	41.43866	-73.45403
49	Greg Bugbee	MyrSpi	Point	Depth = 0.5 meters	8/4/2016	11:06:46am	41.43870	-73.45406
50	Greg Bugbee	MyrSpi	Point	Depth = 3 meters	8/4/2016	11:16:14am	41.43512	-73.45424
51	Greg Bugbee	MyrSpi	Point	Depth = 3 meters	8/4/2016	11:16:52am	41.43464	-73.45419

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (5 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
205	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:33:29pm	41.48106	-73.43595
206	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:33:37pm	41.48117	-73.43601
207	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:33:41pm	41.48126	-73.43606
208	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:33:46pm	41.48135	-73.43610
209	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:33:49pm	41.48141	-73.43613
210	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:33:53pm	41.48148	-73.43616
211	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:33:57pm	41.48156	-73.43621
212	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:34:01pm	41.48163	-73.43625
213	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:34:05pm	41.48169	-73.43627
214	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:34:08pm	41.48176	-73.43627
215	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:34:18pm	41.48194	-73.43634
216	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:34:23pm	41.48200	-73.43641
217	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:34:27pm	41.48207	-73.43645
218	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:34:30pm	41.48212	-73.43647
219	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:34:34pm	41.48219	-73.43648
220	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:34:38pm	41.48228	-73.43649
221	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:34:44pm	41.48235	-73.43655
222	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:34:57pm	41.48251	-73.43670
223	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:35:40pm	41.48215	-73.43658
224	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:36:06pm	41.48201	-73.43648
225	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:36:09pm	41.48198	-73.43645
226	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:36:39pm	41.48145	-73.43616
227	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:36:43pm	41.48137	-73.43618
228	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:36:45pm	41.48134	-73.43615
229	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:37:20pm	41.48084	-73.43588
230	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:37:45pm	41.48054	-73.43592
231	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:38:15pm	41.48041	-73.43579
232	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:38:40pm	41.48031	-73.43580
233	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:39:07pm	41.48011	-73.43559
234	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:39:21pm	41.47993	-73.43544
235	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:39:40pm	41.47976	-73.43544
236	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:40:11pm	41.47976	-73.43539
237	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:40:32pm	41.47960	-73.43530
238	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:40:56pm	41.47955	-73.43527
239	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	01:41:37pm	41.47939	-73.43514
240	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:55:37pm	41.48279	-73.43688
241	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:56:21pm	41.48311	-73.43706
242	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:56:26pm	41.48314	-73.43716
243	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:56:37pm	41.48333	-73.43724
244	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:58:46pm	41.48260	-73.43550
245	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:58:56pm	41.48259	-73.43554
246	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:59:26pm	41.48235	-73.43552
247	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	01:59:39pm	41.48239	-73.43552
248	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:03:24pm	41.48421	-73.43533
249	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	02:09:56pm	41.48657	-73.43394
250	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:11:43pm	41.48703	-73.43468
251	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:12:06pm	41.48716	-73.43471
252	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:12:38pm	41.48719	-73.43493
253	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:12:41pm	41.48724	-73.43495
254	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:13:16pm	41.48747	-73.43510
255	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:15:04pm	41.48818	-73.43574

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (6 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
256	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:15:16pm	41.48820	-73.43575
257	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:15:34pm	41.48835	-73.43596
258	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:15:53pm	41.48846	-73.43607
259	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:16:13pm	41.48882	-73.43642
260	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:17:04pm	41.48985	-73.43718
261	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:18:18pm	41.49015	-73.43741
262	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:18:26pm	41.49020	-73.43748
263	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:18:49pm	41.49041	-73.43761
264	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:19:06pm	41.49046	-73.43769
265	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:19:22pm	41.49072	-73.43794
266	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:20:16pm	41.49128	-73.43856
267	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:20:20pm	41.49137	-73.43861
268	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:20:36pm	41.49164	-73.43886
269	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:20:40pm	41.49172	-73.43892
270	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:20:49pm	41.49185	-73.43911
271	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:20:54pm	41.49193	-73.43917
272	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:21:12pm	41.49217	-73.43943
273	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:21:17pm	41.49218	-73.43949
274	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:21:35pm	41.49240	-73.43992
275	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:22:03pm	41.49281	-73.44039
276	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:22:22pm	41.49313	-73.44065
277	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:22:25pm	41.49318	-73.44068
278	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:22:39pm	41.49342	-73.44082
279	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:22:44pm	41.49350	-73.44084
280	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:22:50pm	41.49361	-73.44093
281	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:22:55pm	41.49372	-73.44098
282	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:22:59pm	41.49378	-73.44102
283	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:23:13pm	41.49396	-73.44113
284	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:23:30pm	41.49403	-73.44120
285	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:24:51pm	41.49440	-73.44146
286	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:24:54pm	41.49446	-73.44150
287	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:25:07pm	41.49470	-73.44163
288	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:25:21pm	41.49492	-73.44172
289	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:25:24pm	41.49497	-73.44173
290	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:25:38pm	41.49520	-73.44176
291	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:25:47pm	41.49532	-73.44180
292	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:26:04pm	41.49553	-73.44190
293	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	02:36:11pm	41.49341	-73.44547
294	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	02:36:27pm	41.49325	-73.44537
295	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	02:36:44pm	41.49330	-73.44524
296	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	02:36:53pm	41.49338	-73.44517
297	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	02:36:57pm	41.49344	-73.44511
298	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	10:30:11am	41.46016	-73.42908
299	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	10:30:36am	41.46021	-73.42901
300	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	10:31:00am	41.46022	-73.42912
301	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	10:38:54am	41.45951	-73.42787
302	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	10:47:13am	41.46227	-73.42801
303	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	10:48:54am	41.46280	-73.42765
304	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	10:49:24am	41.46301	-73.42778
305	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	10:49:36am	41.46312	-73.42784
306	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:09:48am	41.46430	-73.42453

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (7 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
307	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:10:05am	41.46443	-73.42443
308	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	11:10:20am	41.46432	-73.42428
309	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	11:36:39am	41.46858	-73.42785
310	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:36:58am	41.46853	-73.42730
311	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:37:23am	41.46857	-73.42702
312	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:37:55am	41.46857	-73.42681
313	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:38:08am	41.46855	-73.42678
314	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:41:03am	41.46971	-73.42957
315	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:46:18am	41.46896	-73.43078
316	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:46:28am	41.46891	-73.43081
317	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:49:36am	41.47079	-73.43279
318	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:52:45am	41.47196	-73.43329
319	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:52:50am	41.47192	-73.43320
320	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:52:55am	41.47185	-73.43313
321	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:53:29am	41.47201	-73.43331
322	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	11:53:39am	41.47207	-73.43323
323	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:54:15am	41.47206	-73.43353
324	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:57:49am	41.47215	-73.43537
325	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:57:58am	41.47220	-73.43549
326	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:58:01am	41.47227	-73.43558
327	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:58:34am	41.47208	-73.43539
328	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:58:38am	41.47205	-73.43526
329	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:58:44am	41.47198	-73.43511
330	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:59:05am	41.47186	-73.43453
331	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	11:59:09am	41.47187	-73.43444
332	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:04:33pm	41.47283	-73.43663
333	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:04:59pm	41.47276	-73.43650
334	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:11:18pm	41.47107	-73.43547
335	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	12:11:30pm	41.47110	-73.43563
336	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:12:15pm	41.47127	-73.43570
337	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:13:25pm	41.47207	-73.43652
338	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:13:29pm	41.47211	-73.43660
339	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:13:33pm	41.47217	-73.43668
340	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	12:13:43pm	41.47223	-73.43689
341	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	12:14:04pm	41.47228	-73.43694
342	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	12:14:07pm	41.47232	-73.43702
343	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	12:14:12pm	41.47239	-73.43709
344	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:14:18pm	41.47244	-73.43716
345	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:14:39pm	41.47239	-73.43705
346	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:15:07pm	41.47259	-73.43723
347	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:15:11pm	41.47259	-73.43736
348	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:15:31pm	41.47259	-73.43743
349	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:15:36pm	41.47269	-73.43742
350	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:15:46pm	41.47280	-73.43756
351	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:15:51pm	41.47287	-73.43766
352	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:15:56pm	41.47289	-73.43777
353	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:16:02pm	41.47295	-73.43783
354	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:16:25pm	41.47321	-73.43813
355	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:16:29pm	41.47327	-73.43816
356	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:16:33pm	41.47334	-73.43818
357	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:16:38pm	41.47341	-73.43824

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (8 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
358	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	12:17:01pm	41.47367	-73.43848
359	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	12:17:17pm	41.47359	-73.43852
360	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	12:17:48pm	41.47323	-73.43835
361	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	12:17:54pm	41.47317	-73.43827
362	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	12:18:32pm	41.47287	-73.43778
363	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:19:15pm	41.47305	-73.43714
364	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:19:38pm	41.47318	-73.43734
365	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:20:04pm	41.47331	-73.43753
366	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:20:33pm	41.47345	-73.43766
367	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:20:55pm	41.47354	-73.43782
368	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:24:32pm	41.47021	-73.43517
369	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:28:46pm	41.46730	-73.43497
370	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:28:58pm	41.46719	-73.43499
371	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:29:02pm	41.46716	-73.43507
372	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:29:06pm	41.46708	-73.43513
373	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:29:23pm	41.46683	-73.43525
374	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:29:29pm	41.46676	-73.43532
375	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:29:39pm	41.46666	-73.43540
376	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:29:47pm	41.46658	-73.43542
377	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:33:12pm	41.46592	-73.43596
378	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:33:22pm	41.46585	-73.43608
379	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:33:25pm	41.46585	-73.43617
380	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:34:08pm	41.46555	-73.43674
381	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:34:39pm	41.46533	-73.43710
382	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/10/2016	12:34:43pm	41.46531	-73.43719
383	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:35:54pm	41.46630	-73.43804
384	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:36:19pm	41.46656	-73.43819
385	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:38:22pm	41.46832	-73.43964
386	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:38:49pm	41.46846	-73.43963
387	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:39:06pm	41.46880	-73.43983
388	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:39:12pm	41.46893	-73.43983
389	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:39:16pm	41.46898	-73.43989
390	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:39:36pm	41.46931	-73.43999
391	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:40:07pm	41.46975	-73.44020
392	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:44:54pm	41.47148	-73.44260
393	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:45:00pm	41.47161	-73.44263
394	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:45:16pm	41.47185	-73.44277
395	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:49:46pm	41.47738	-73.44461
396	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:50:07pm	41.47750	-73.44461
397	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:50:20pm	41.47780	-73.44456
398	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:50:25pm	41.47790	-73.44459
399	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/10/2016	12:50:37pm	41.47812	-73.44450
400	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/10/2016	12:51:53pm	41.47842	-73.44391
401	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:53:58pm	41.47893	-73.44343
402	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:56:01pm	41.47933	-73.44324
403	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:56:50pm	41.47962	-73.44326
404	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:57:19pm	41.47998	-73.44340
405	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:57:22pm	41.48006	-73.44338
406	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:57:28pm	41.48020	-73.44341
407	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:57:33pm	41.48031	-73.44348
408	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:58:04pm	41.48049	-73.44355

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (9 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
409	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:58:10pm	41.48056	-73.44356
410	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:58:56pm	41.48097	-73.44369
411	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:59:04pm	41.48115	-73.44364
412	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:59:08pm	41.48126	-73.44357
413	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:59:20pm	41.48152	-73.44352
414	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:59:27pm	41.48167	-73.44352
415	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/10/2016	12:59:41pm	41.48200	-73.44347
416	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:00:16pm	41.50635	-73.46703
417	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:00:40pm	41.50653	-73.46715
418	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:00:49pm	41.50666	-73.46736
419	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:00:57pm	41.50681	-73.46749
420	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:01:02pm	41.50689	-73.46759
421	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:01:09pm	41.50699	-73.46770
422	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:01:19pm	41.50708	-73.46786
423	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:02:05pm	41.50723	-73.46802
424	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:02:30pm	41.50742	-73.46809
425	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	01:02:44pm	41.50743	-73.46823
426	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	01:05:49pm	41.50830	-73.46901
427	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	01:06:11pm	41.50826	-73.46895
428	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:22:55pm	41.51095	-73.47033
429	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:23:36pm	41.51078	-73.47004
430	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:24:04pm	41.51054	-73.46986
431	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:24:13pm	41.51049	-73.46978
432	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:24:16pm	41.51049	-73.46973
433	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:24:50pm	41.51036	-73.46950
434	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:24:55pm	41.51033	-73.46941
435	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:24:59pm	41.51028	-73.46934
436	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:25:03pm	41.51021	-73.46927
437	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:25:08pm	41.51016	-73.46918
438	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:25:21pm	41.51003	-73.46899
439	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:25:26pm	41.51000	-73.46890
440	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:25:31pm	41.50994	-73.46882
441	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:25:39pm	41.50986	-73.46869
442	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:26:22pm	41.50947	-73.46838
443	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:26:25pm	41.50943	-73.46829
444	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:26:28pm	41.50939	-73.46823
445	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:26:32pm	41.50932	-73.46812
446	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:26:34pm	41.50929	-73.46803
447	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:26:54pm	41.50896	-73.46755
448	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:26:59pm	41.50888	-73.46742
449	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:27:11pm	41.50873	-73.46707
450	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:27:36pm	41.50849	-73.46643
451	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:27:51pm	41.50851	-73.46652
452	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:29:00pm	41.50798	-73.46606
453	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:30:08pm	41.50732	-73.46569
454	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:30:31pm	41.50723	-73.46552
455	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	01:30:45pm	41.50713	-73.46519
456	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	09:35:28am	41.46743	-73.44652
457	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	09:35:58am	41.46746	-73.44652
458	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	09:36:32am	41.46792	-73.44674
459	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	09:36:57am	41.46813	-73.44701

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (10 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
460	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	09:38:02am	41.46936	-73.44836
461	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	10:04:30am	41.49110	-73.45401
462	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	10:04:47am	41.49132	-73.45430
463	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	10:04:53am	41.49138	-73.45439
464	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	10:05:09am	41.49159	-73.45454
465	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	10:05:16am	41.49168	-73.45471
466	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:02:16am	41.48999	-73.45850
467	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:02:44am	41.48948	-73.45854
468	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:03:51am	41.48854	-73.45938
469	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:04:15am	41.48839	-73.45941
470	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:04:42am	41.48781	-73.45933
471	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:05:18am	41.48737	-73.45916
472	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:07:09am	41.48654	-73.45903
473	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:13:20am	41.48640	-73.45908
474	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:14:14am	41.48575	-73.45925
475	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:14:32am	41.48576	-73.45931
476	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:14:36am	41.48571	-73.45935
477	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:14:41am	41.48567	-73.45944
478	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:14:45am	41.48566	-73.45954
479	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:14:53am	41.48571	-73.45963
480	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:15:18am	41.48583	-73.45990
481	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:16:19am	41.48646	-73.46041
482	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:16:48am	41.48690	-73.46034
483	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:22:39am	41.48734	-73.46103
484	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:22:46am	41.48734	-73.46125
485	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:22:55am	41.48736	-73.46155
486	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:23:05am	41.48740	-73.46188
487	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:23:08am	41.48744	-73.46201
488	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:23:22am	41.48754	-73.46247
489	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:23:35am	41.48758	-73.46292
490	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:23:51am	41.48777	-73.46337
491	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:23:59am	41.48792	-73.46361
492	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:24:10am	41.48811	-73.46380
493	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:24:20am	41.48830	-73.46396
494	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:24:30am	41.48850	-73.46406
495	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:27:10am	41.48889	-73.46435
496	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:27:14am	41.48899	-73.46443
497	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:27:19am	41.48909	-73.46449
498	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:27:39am	41.48945	-73.46478
499	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:29:26am	41.49102	-73.46604
500	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:29:32am	41.49110	-73.46611
501	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:29:36am	41.49116	-73.46611
502	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:32:09am	41.49218	-73.46655
503	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:32:20am	41.49225	-73.46673
504	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:55:40am	41.49748	-73.46909
505	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:55:59am	41.49763	-73.46909
506	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:56:15am	41.49788	-73.46912
507	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:56:20am	41.49794	-73.46914
508	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:56:33am	41.49814	-73.46914
509	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:56:38am	41.49820	-73.46918
510	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:56:42am	41.49824	-73.46918

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (11 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
511	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:57:30am	41.49873	-73.46906
512	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	11:57:36am	41.49878	-73.46909
513	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:59:12am	41.49911	-73.46835
514	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	11:59:33am	41.49880	-73.46820
515	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/12/2016	12:05:44pm	41.49780	-73.46811
516	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/12/2016	12:07:07pm	41.49686	-73.46799
517	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:07:51pm	41.49660	-73.46795
518	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:08:34pm	41.49647	-73.46787
519	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:08:58pm	41.49639	-73.46778
520	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:28:03pm	41.49717	-73.46317
521	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:28:31pm	41.49778	-73.46331
522	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:28:36pm	41.49789	-73.46336
523	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:28:45pm	41.49808	-73.46338
524	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:28:52pm	41.49857	-73.46345
525	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:29:25pm	41.49883	-73.46363
526	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:33:48pm	41.49924	-73.46367
527	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:34:43pm	41.49995	-73.46382
528	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:35:09pm	41.50015	-73.46388
529	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:35:26pm	41.50043	-73.46405
530	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:35:29pm	41.50049	-73.46409
531	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:35:32pm	41.50055	-73.46412
532	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:36:06pm	41.50129	-73.46432
533	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:36:10pm	41.50136	-73.46437
534	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:36:17pm	41.50147	-73.46437
535	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:36:28pm	41.50161	-73.46441
536	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:37:29pm	41.50211	-73.46462
537	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/12/2016	12:38:04pm	41.50255	-73.46487
538	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:04:29pm	41.54943	-73.47584
539	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:04:35pm	41.54948	-73.47584
540	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:05:19pm	41.54972	-73.47601
541	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:05:39pm	41.54993	-73.47617
542	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:07:55pm	41.55043	-73.47674
543	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:08:00pm	41.55036	-73.47670
544	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:08:05pm	41.55029	-73.47660
545	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:08:11pm	41.55021	-73.47648
546	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:08:15pm	41.55014	-73.47642
547	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:08:20pm	41.55007	-73.47634
548	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:08:26pm	41.55001	-73.47624
549	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:09:24pm	41.55066	-73.47704
550	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:09:28pm	41.55070	-73.47715
551	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:09:54pm	41.55115	-73.47757
552	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:10:00pm	41.55125	-73.47764
553	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:10:15pm	41.55146	-73.47789
554	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:10:26pm	41.55162	-73.47805
555	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:10:41pm	41.55179	-73.47820
556	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:10:45pm	41.55181	-73.47831
557	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:10:50pm	41.55185	-73.47841
558	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:11:18pm	41.55215	-73.47891
559	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:11:24pm	41.55217	-73.47904
560	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:11:30pm	41.55221	-73.47918
561	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:11:42pm	41.55223	-73.47945

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (12 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
562	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:11:47pm	41.55228	-73.47954
563	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:12:03pm	41.55242	-73.47985
564	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:39:56pm	41.55680	-73.48212
565	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:40:01pm	41.55686	-73.48219
566	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:40:04pm	41.55691	-73.48225
567	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:40:07pm	41.55695	-73.48230
568	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:40:10pm	41.55701	-73.48236
569	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:40:13pm	41.55705	-73.48243
570	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:40:15pm	41.55707	-73.48247
571	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:40:49pm	41.55752	-73.48335
572	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:40:53pm	41.55756	-73.48345
573	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:40:56pm	41.55760	-73.48354
574	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:40:58pm	41.55762	-73.48361
575	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:41:01pm	41.55766	-73.48371
576	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:41:05pm	41.55769	-73.48380
577	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:41:09pm	41.55772	-73.48391
578	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:41:18pm	41.55778	-73.48417
579	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:41:22pm	41.55781	-73.48426
580	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:41:25pm	41.55784	-73.48433
581	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:41:29pm	41.55787	-73.48442
582	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:41:32pm	41.55791	-73.48449
583	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:41:35pm	41.55794	-73.48457
584	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:41:38pm	41.55797	-73.48465
585	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:41:41pm	41.55799	-73.48473
586	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:41:45pm	41.55803	-73.48487
587	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:42:10pm	41.55807	-73.48495
588	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:42:15pm	41.55807	-73.48488
589	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:42:19pm	41.55805	-73.48478
590	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:42:24pm	41.55804	-73.48464
591	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:42:27pm	41.55803	-73.48455
592	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:42:30pm	41.55806	-73.48448
593	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:42:47pm	41.55837	-73.48465
594	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:43:43pm	41.55876	-73.48352
595	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:43:46pm	41.55875	-73.48344
596	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:43:58pm	41.55855	-73.48326
597	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:44:29pm	41.55824	-73.48247
598	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:44:33pm	41.55818	-73.48241
599	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:44:37pm	41.55811	-73.48238
600	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:44:40pm	41.55804	-73.48237
601	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:44:43pm	41.55796	-73.48235
602	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:44:49pm	41.55788	-73.48229
603	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	01:46:10pm	41.55832	-73.48235
604	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	01:46:21pm	41.55828	-73.48227
605	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	01:46:24pm	41.55823	-73.48225
606	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	01:46:28pm	41.55813	-73.48224
607	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	01:49:15pm	41.55676	-73.48105
608	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:05:36pm	41.55648	-73.48070
609	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:05:54pm	41.55646	-73.48073
610	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:06:06pm	41.55632	-73.48067
611	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:06:09pm	41.55630	-73.48060
612	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:07:52pm	41.55603	-73.48004

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (13 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
613	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:07:54pm	41.55606	-73.48007
614	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:07:57pm	41.55611	-73.48012
615	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:08:01pm	41.55616	-73.48018
616	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:08:04pm	41.55620	-73.48023
617	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:08:18pm	41.55641	-73.48032
618	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:08:20pm	41.55645	-73.48032
619	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:08:24pm	41.55651	-73.48032
620	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:08:31pm	41.55659	-73.48023
621	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:08:37pm	41.55659	-73.48012
622	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:08:41pm	41.55658	-73.48005
623	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:08:56pm	41.55669	-73.47995
624	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	02:10:20pm	41.55658	-73.48039
625	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	02:10:46pm	41.55656	-73.48045
626	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:45:17pm	41.56213	-73.47656
627	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:45:52pm	41.56212	-73.47653
628	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:45:58pm	41.56206	-73.47637
629	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:46:16pm	41.56181	-73.47608
630	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	02:46:19pm	41.56184	-73.47598
631	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	02:46:56pm	41.56157	-73.47570
632	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	02:47:04pm	41.56155	-73.47572
633	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:47:10pm	41.56153	-73.47578
634	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:47:51pm	41.56097	-73.47554
635	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:47:56pm	41.56091	-73.47550
636	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:49:40pm	41.55770	-73.47461
637	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:49:45pm	41.55757	-73.47455
638	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:49:49pm	41.55747	-73.47453
639	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:49:55pm	41.55730	-73.47446
640	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:50:03pm	41.55714	-73.47437
641	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:50:06pm	41.55712	-73.47431
642	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	02:51:55pm	41.55675	-73.47410
643	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:34:19am	41.51553	-73.46272
644	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:34:35am	41.51545	-73.46267
645	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:34:44am	41.51530	-73.46254
646	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:34:58am	41.51497	-73.46252
647	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:35:03am	41.51488	-73.46252
648	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:35:08am	41.51481	-73.46254
649	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:35:11am	41.51475	-73.46256
650	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:35:18am	41.51465	-73.46261
651	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:35:25am	41.51456	-73.46265
652	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:35:30am	41.51451	-73.46267
653	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:35:38am	41.51443	-73.46268
654	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:37:19am	41.51565	-73.46277
655	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:37:21am	41.51570	-73.46279
656	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:37:39am	41.51592	-73.46280
657	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:38:01am	41.51603	-73.46282
658	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:38:05am	41.51610	-73.46286
659	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:38:09am	41.51617	-73.46288
660	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:38:14am	41.51625	-73.46290
661	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:38:22am	41.51637	-73.46294
662	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:38:27am	41.51643	-73.46299
663	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:38:32am	41.51650	-73.46302

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (14 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
664	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:38:36am	41.51657	-73.46304
665	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:38:53am	41.51686	-73.46319
666	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:39:11am	41.51698	-73.46324
667	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:39:15am	41.51705	-73.46326
668	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:39:21am	41.51717	-73.46326
669	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:39:26am	41.51726	-73.46331
670	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:39:32am	41.51733	-73.46338
671	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:39:35am	41.51739	-73.46341
672	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:39:58am	41.51782	-73.46355
673	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:40:01am	41.51788	-73.46360
674	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:40:07am	41.51800	-73.46367
675	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:40:13am	41.51813	-73.46377
676	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:40:19am	41.51825	-73.46388
677	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:40:30am	41.51849	-73.46402
678	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:40:38am	41.51864	-73.46414
679	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:40:46am	41.51877	-73.46432
680	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:40:49am	41.51882	-73.46440
681	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:40:55am	41.51892	-73.46452
682	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:40:58am	41.51896	-73.46458
683	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:00am	41.51899	-73.46464
684	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:03am	41.51903	-73.46470
685	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:06am	41.51908	-73.46477
686	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:08am	41.51911	-73.46481
687	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:11am	41.51917	-73.46487
688	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:14am	41.51922	-73.46494
689	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:16am	41.51926	-73.46498
690	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:19am	41.51932	-73.46503
691	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:21am	41.51936	-73.46506
692	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:23am	41.51940	-73.46508
693	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:25am	41.51946	-73.46511
694	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:28am	41.51952	-73.46514
695	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:30am	41.51956	-73.46516
696	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:32am	41.51961	-73.46518
697	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:35am	41.51967	-73.46520
698	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:37am	41.51972	-73.46521
699	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:40am	41.51980	-73.46523
700	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:43am	41.51985	-73.46523
701	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	10:41:46am	41.51992	-73.46523
702	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	10:53:57am	41.52158	-73.46612
703	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	10:54:29am	41.52143	-73.46603
704	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	10:54:36am	41.52133	-73.46603
705	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	10:54:41am	41.52126	-73.46602
706	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	10:54:47am	41.52118	-73.46601
707	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	10:54:55am	41.52111	-73.46597
708	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	10:55:10am	41.52096	-73.46584
709	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	10:55:14am	41.52091	-73.46584
710	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	10:55:20am	41.52084	-73.46580
711	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	10:55:26am	41.52078	-73.46575
712	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	10:55:44am	41.52066	-73.46558
713	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/15/2016	10:56:51am	41.52173	-73.46554
714	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/15/2016	10:57:07am	41.52179	-73.46555

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (15 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
715	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/15/2016	11:00:55am	41.52379	-73.46606
716	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	11:01:02am	41.52366	-73.46590
717	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	11:01:18am	41.52357	-73.46572
718	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	11:01:23am	41.52352	-73.46564
719	Greg Bugbee	MyrSpi	Point	Depth = 1 meter	8/15/2016	11:01:41am	41.52353	-73.46523
720	Greg Bugbee	MyrSpi	Point	Depth = 1 meter	8/15/2016	11:06:43am	41.52534	-73.46433
721	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	11:06:49am	41.52539	-73.46425
722	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	11:11:21am	41.52207	-73.46406
723	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	11:11:38am	41.52216	-73.46408
724	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	11:12:07am	41.52233	-73.46418
725	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:16:43am	41.52154	-73.46024
726	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:17:06am	41.52128	-73.46017
727	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:17:10am	41.52119	-73.46012
728	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:17:45am	41.52088	-73.46069
729	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:17:53am	41.52095	-73.46083
730	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:17:56am	41.52097	-73.46090
731	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:17:59am	41.52099	-73.46098
732	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:02am	41.52100	-73.46105
733	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:05am	41.52100	-73.46112
734	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:15am	41.52101	-73.46132
735	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:17am	41.52103	-73.46136
736	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:20am	41.52106	-73.46141
737	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:23am	41.52109	-73.46147
738	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:26am	41.52111	-73.46154
739	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:28am	41.52112	-73.46158
740	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:30am	41.52113	-73.46163
741	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:34am	41.52113	-73.46171
742	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:36am	41.52113	-73.46176
743	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:40am	41.52113	-73.46183
744	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:45am	41.52110	-73.46191
745	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:47am	41.52109	-73.46197
746	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:52am	41.52107	-73.46204
747	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:18:55am	41.52105	-73.46212
748	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:19:05am	41.52110	-73.46234
749	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:19:14am	41.52111	-73.46252
750	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:19:33am	41.52124	-73.46285
751	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:19:39am	41.52128	-73.46295
752	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:19:42am	41.52131	-73.46301
753	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:19:50am	41.52133	-73.46310
754	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:20:18am	41.52127	-73.46323
755	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:20:20am	41.52124	-73.46314
756	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:20:25am	41.52121	-73.46298
757	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:20:48am	41.52099	-73.46221
758	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:20:53am	41.52099	-73.46203
759	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:20:58am	41.52103	-73.46179
760	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:21:04am	41.52105	-73.46165
761	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:21:12am	41.52103	-73.46141
762	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:21:19am	41.52098	-73.46122
763	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:21:25am	41.52090	-73.46106
764	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:23:18am	41.52262	-73.45986
765	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:23:21am	41.52268	-73.45988

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (16 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
766	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:23:28am	41.52279	-73.46009
767	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:23:33am	41.52276	-73.46022
768	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:23:36am	41.52274	-73.46030
769	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:23:41am	41.52270	-73.46043
770	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:23:48am	41.52262	-73.46056
771	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	11:23:52am	41.52255	-73.46059
772	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	11:24:38am	41.52272	-73.46061
773	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	11:24:52am	41.52277	-73.46051
774	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	11:25:02am	41.52284	-73.46030
775	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	11:25:09am	41.52286	-73.46016
776	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	11:25:24am	41.52271	-73.46002
777	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	12:14:01pm	41.53238	-73.46599
778	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	12:14:08pm	41.53245	-73.46604
779	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/15/2016	12:14:12pm	41.53252	-73.46608
780	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:14:38pm	41.53296	-73.46626
781	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:14:43pm	41.53302	-73.46632
782	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:14:47pm	41.53310	-73.46636
783	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:15:14pm	41.53342	-73.46646
784	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:27:44pm	41.53403	-73.46670
785	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:27:48pm	41.53411	-73.46679
786	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:27:54pm	41.53423	-73.46683
787	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:27:58pm	41.53430	-73.46688
788	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:28:02pm	41.53440	-73.46695
789	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:28:34pm	41.53510	-73.46739
790	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:28:37pm	41.53515	-73.46741
791	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:28:41pm	41.53524	-73.46746
792	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/15/2016	12:33:56pm	41.53880	-73.47087
793	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:37:43pm	41.56908	-73.48899
794	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:46:47pm	41.57267	-73.49169
795	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:48:54pm	41.57283	-73.49099
796	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:49:15pm	41.57280	-73.49099
797	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:49:50pm	41.57265	-73.49098
798	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:50:04pm	41.57269	-73.49086
799	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:50:27pm	41.57257	-73.49079
800	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:50:59pm	41.57248	-73.49075
801	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:51:21pm	41.57241	-73.49075
802	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:51:38pm	41.57238	-73.49070
803	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:52:08pm	41.57227	-73.49068
804	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:52:12pm	41.57223	-73.49063
805	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:52:16pm	41.57219	-73.49059
806	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:52:43pm	41.57216	-73.49070
807	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:52:51pm	41.57210	-73.49073
808	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:52:58pm	41.57199	-73.49070
809	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:53:01pm	41.57195	-73.49069
810	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:53:04pm	41.57190	-73.49067
811	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:53:14pm	41.57176	-73.49067
812	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:53:16pm	41.57173	-73.49068
813	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:53:19pm	41.57167	-73.49071
814	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:53:21pm	41.57164	-73.49074
815	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:53:24pm	41.57160	-73.49078
816	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:53:43pm	41.57135	-73.49090

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (17 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
817	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:53:47pm	41.57129	-73.49085
818	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:53:52pm	41.57121	-73.49082
819	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:53:55pm	41.57115	-73.49081
820	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:53:57pm	41.57110	-73.49079
821	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:54:01pm	41.57105	-73.49075
822	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:54:04pm	41.57103	-73.49072
823	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:54:07pm	41.57101	-73.49068
824	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:54:10pm	41.57098	-73.49065
825	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:54:23pm	41.57082	-73.49058
826	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:54:37pm	41.57069	-73.49038
827	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:54:40pm	41.57066	-73.49034
828	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:54:44pm	41.57064	-73.49027
829	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:54:48pm	41.57057	-73.49020
830	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	01:54:52pm	41.57047	-73.49020
831	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:55:17pm	41.57052	-73.49024
832	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:55:26pm	41.57064	-73.49023
833	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:55:30pm	41.57070	-73.49026
834	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:55:47pm	41.57080	-73.49048
835	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:56:14pm	41.57090	-73.49065
836	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:56:34pm	41.57127	-73.49074
837	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:56:38pm	41.57132	-73.49072
838	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:56:43pm	41.57134	-73.49071
839	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:57:30pm	41.57156	-73.49068
840	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:57:41pm	41.57170	-73.49060
841	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:58:20pm	41.57185	-73.49054
842	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	01:58:24pm	41.57191	-73.49050
843	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:01:23pm	41.56989	-73.48946
844	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:01:33pm	41.57000	-73.48931
845	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:01:40pm	41.57011	-73.48923
846	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:01:45pm	41.57022	-73.48917
847	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:01:51pm	41.57029	-73.48913
848	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:02:21pm	41.57049	-73.48902
849	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:03:09pm	41.57079	-73.48859
850	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:03:14pm	41.57084	-73.48852
851	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:03:21pm	41.57095	-73.48852
852	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:04:10pm	41.57083	-73.48843
853	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:05:00pm	41.57048	-73.48835
854	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:05:15pm	41.57041	-73.48839
855	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:05:20pm	41.57037	-73.48847
856	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:05:35pm	41.57020	-73.48867
857	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/22/2016	02:05:41pm	41.57010	-73.48878
858	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/22/2016	02:06:16pm	41.56996	-73.48896
859	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:06:52pm	41.56997	-73.48884
860	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:07:16pm	41.57003	-73.48877
861	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:07:24pm	41.57002	-73.48867
862	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:07:28pm	41.57004	-73.48859
863	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	02:07:59pm	41.57028	-73.48842
864	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	02:08:51pm	41.57007	-73.48857
865	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	02:08:58pm	41.57002	-73.48862
866	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:09:36pm	41.56977	-73.48924
867	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:10:03pm	41.56941	-73.48912

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (18 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
868	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:17:45pm	41.56841	-73.48871
869	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:17:49pm	41.56831	-73.48875
870	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:17:57pm	41.56819	-73.48868
871	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:18:17pm	41.56827	-73.48861
872	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:19:03pm	41.56792	-73.48861
873	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:19:08pm	41.56788	-73.48858
874	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:19:13pm	41.56785	-73.48855
875	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:20:04pm	41.56742	-73.48835
876	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:26:29pm	41.56607	-73.48778
877	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:26:41pm	41.56605	-73.48782
878	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:26:46pm	41.56602	-73.48787
879	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:26:49pm	41.56604	-73.48794
880	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:26:53pm	41.56608	-73.48799
881	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:26:56pm	41.56616	-73.48801
882	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:27:03pm	41.56629	-73.48800
883	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:27:08pm	41.56639	-73.48799
884	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:27:12pm	41.56646	-73.48805
885	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:28:07pm	41.56602	-73.48788
886	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:28:13pm	41.56597	-73.48781
887	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:28:15pm	41.56592	-73.48779
888	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:28:18pm	41.56586	-73.48778
889	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:36:46pm	41.56623	-73.48739
890	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:37:03pm	41.56646	-73.48741
891	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:37:32pm	41.56670	-73.48735
892	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:37:37pm	41.56672	-73.48737
893	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:38:21pm	41.56688	-73.48702
894	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:38:25pm	41.56693	-73.48704
895	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:38:32pm	41.56701	-73.48695
896	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:38:35pm	41.56706	-73.48689
897	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	02:38:55pm	41.56741	-73.48657
898	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:01:23pm	41.56715	-73.48524
899	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:01:31pm	41.56713	-73.48514
900	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:01:40pm	41.56703	-73.48503
901	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:02:10pm	41.56699	-73.48461
902	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:02:33pm	41.56699	-73.48433
903	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:02:53pm	41.56690	-73.48384
904	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:03:02pm	41.56694	-73.48363
905	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:03:07pm	41.56698	-73.48350
906	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:09:11pm	41.56758	-73.48351
907	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:09:15pm	41.56762	-73.48354
908	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:09:18pm	41.56767	-73.48355
909	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:09:38pm	41.56803	-73.48367
910	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:10:07pm	41.56787	-73.48361
911	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:10:51pm	41.56843	-73.48374
912	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:11:16pm	41.56861	-73.48384
913	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:18:45pm	41.57034	-73.48396
914	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:18:57pm	41.57013	-73.48391
915	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:19:04pm	41.57002	-73.48390
916	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:19:07pm	41.56996	-73.48390
917	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:19:10pm	41.56986	-73.48390
918	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:19:18pm	41.56976	-73.48392

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (19 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
919	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:19:23pm	41.56968	-73.48393
920	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:19:30pm	41.56953	-73.48393
921	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:19:34pm	41.56947	-73.48391
922	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:19:40pm	41.56936	-73.48387
923	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:20:21pm	41.56897	-73.48437
924	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:20:38pm	41.56900	-73.48441
925	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:21:13pm	41.56918	-73.48456
926	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:21:28pm	41.56923	-73.48463
927	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:21:36pm	41.56928	-73.48465
928	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:22:21pm	41.56945	-73.48469
929	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:22:28pm	41.56951	-73.48470
930	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:22:32pm	41.56957	-73.48468
931	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	03:31:25pm	41.56842	-73.48311
932	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:31:44pm	41.56841	-73.48325
933	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:32:15pm	41.56837	-73.48311
934	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:32:33pm	41.56834	-73.48313
935	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:33:50pm	41.56809	-73.48297
936	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:33:54pm	41.56809	-73.48287
937	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:34:03pm	41.56803	-73.48265
938	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:34:06pm	41.56800	-73.48255
939	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:34:12pm	41.56797	-73.48239
940	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:34:15pm	41.56795	-73.48230
941	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:34:18pm	41.56793	-73.48222
942	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:34:22pm	41.56789	-73.48212
943	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:34:26pm	41.56783	-73.48205
944	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:36:56pm	41.56749	-73.48186
945	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:37:47pm	41.56645	-73.48105
946	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:37:55pm	41.56631	-73.48094
947	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:38:02pm	41.56619	-73.48087
948	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:38:07pm	41.56610	-73.48078
949	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:38:13pm	41.56602	-73.48065
950	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:38:18pm	41.56590	-73.48049
951	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:38:28pm	41.56579	-73.48033
952	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:38:35pm	41.56571	-73.48022
953	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:38:39pm	41.56559	-73.48004
954	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:38:53pm	41.56548	-73.47989
955	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	03:39:08pm	41.56533	-73.47970
956	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:08:54pm	41.56200	-73.48737
957	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:09:00pm	41.56199	-73.48744
958	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:09:35pm	41.56227	-73.48756
959	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	04:09:51pm	41.56228	-73.48761
960	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	04:10:14pm	41.56230	-73.48763
961	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	04:10:18pm	41.56235	-73.48758
962	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	04:10:27pm	41.56236	-73.48753
963	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:10:35pm	41.56235	-73.48741
964	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:10:42pm	41.56236	-73.48731
965	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:10:45pm	41.56238	-73.48726
966	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:10:52pm	41.56242	-73.48720
967	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:10:56pm	41.56247	-73.48717
968	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:11:02pm	41.56253	-73.48719
969	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:11:17pm	41.56253	-73.48716

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (20 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
970	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:11:20pm	41.56257	-73.48710
971	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:11:58pm	41.56311	-73.48715
972	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:12:01pm	41.56316	-73.48720
973	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:12:04pm	41.56320	-73.48725
974	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:12:07pm	41.56325	-73.48729
975	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:12:13pm	41.56330	-73.48734
976	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:12:14pm	41.56332	-73.48736
977	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:12:18pm	41.56337	-73.48742
978	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/22/2016	04:12:45pm	41.56355	-73.48780
979	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:13:18pm	41.56370	-73.48765
980	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:13:50pm	41.56390	-73.48785
981	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:13:54pm	41.56395	-73.48792
982	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:13:57pm	41.56399	-73.48795
983	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:00pm	41.56402	-73.48797
984	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:03pm	41.56407	-73.48799
985	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:08pm	41.56413	-73.48800
986	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:14pm	41.56421	-73.48806
987	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:18pm	41.56423	-73.48812
988	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:21pm	41.56425	-73.48817
989	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:28pm	41.56432	-73.48822
990	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:30pm	41.56436	-73.48823
991	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:34pm	41.56441	-73.48824
992	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:36pm	41.56445	-73.48824
993	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:39pm	41.56449	-73.48825
994	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:41pm	41.56452	-73.48826
995	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:43pm	41.56455	-73.48828
996	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:46pm	41.56459	-73.48831
997	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:49pm	41.56461	-73.48835
998	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:53pm	41.56465	-73.48842
999	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:14:58pm	41.56466	-73.48848
1000	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:15:01pm	41.56468	-73.48854
1001	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:15:05pm	41.56471	-73.48860
1002	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:15:09pm	41.56473	-73.48866
1003	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:15:13pm	41.56474	-73.48875
1004	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:15:21pm	41.56472	-73.48885
1005	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:25:39pm	41.56570	-73.48946
1006	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:26:21pm	41.56656	-73.49012
1007	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:26:24pm	41.56661	-73.49016
1008	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:26:28pm	41.56664	-73.49015
1009	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:26:31pm	41.56667	-73.49011
1010	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/22/2016	04:27:07pm	41.56680	-73.49000
1011	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:10:34pm	41.54576	-73.46386
1012	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:10:37pm	41.54573	-73.46384
1013	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:11:04pm	41.54586	-73.46400
1014	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:11:08pm	41.54592	-73.46391
1015	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:11:12pm	41.54594	-73.46382
1016	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:11:16pm	41.54597	-73.46374
1017	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:11:30pm	41.54612	-73.46354
1018	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:12:11pm	41.54644	-73.46360
1019	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:12:14pm	41.54651	-73.46359
1020	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:12:18pm	41.54660	-73.46359

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (21 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
1021	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:12:21pm	41.54667	-73.46362
1022	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:12:29pm	41.54684	-73.46369
1023	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:12:47pm	41.54723	-73.46373
1024	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:14:26pm	41.54974	-73.46442
1025	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:15:00pm	41.54995	-73.46456
1026	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:15:21pm	41.55007	-73.46465
1027	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:15:30pm	41.54999	-73.46465
1028	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:15:48pm	41.54996	-73.46461
1029	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:16:17pm	41.55015	-73.46481
1030	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:25:51pm	41.55420	-73.46729
1031	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:26:08pm	41.55418	-73.46727
1032	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:26:13pm	41.55414	-73.46717
1033	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:26:18pm	41.55410	-73.46712
1034	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:26:24pm	41.55409	-73.46709
1035	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:26:39pm	41.55414	-73.46710
1036	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:28:05pm	41.55426	-73.46735
1037	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:29:31pm	41.55427	-73.46745
1038	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:29:56pm	41.55422	-73.46750
1039	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:30:13pm	41.55422	-73.46758
1040	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:30:29pm	41.55426	-73.46787
1041	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:30:45pm	41.55431	-73.46792
1042	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:37:47pm	41.55420	-73.46885
1043	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:38:18pm	41.55418	-73.46884
1044	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:40:02pm	41.55414	-73.46898
1045	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:40:18pm	41.55411	-73.46901
1046	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:40:37pm	41.55412	-73.46890
1047	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:40:42pm	41.55415	-73.46888
1048	Greg Bugbee	MyrSpi	Point	Depth = 2-3 meters	8/23/2016	01:41:05pm	41.55404	-73.46878
1049	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:41:39pm	41.55403	-73.46911
1050	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:41:45pm	41.55404	-73.46922
1051	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:42:49pm	41.55419	-73.46856
1052	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:42:54pm	41.55425	-73.46862
1053	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:43:18pm	41.55425	-73.46864
1054	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:43:38pm	41.55421	-73.46856
1055	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:45:04pm	41.55390	-73.46998
1056	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:45:07pm	41.55393	-73.46997
1057	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:45:13pm	41.55396	-73.46994
1058	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:45:30pm	41.55385	-73.47003
1059	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:46:28pm	41.55395	-73.46957
1060	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:46:31pm	41.55400	-73.46965
1061	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:46:35pm	41.55399	-73.46972
1062	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	01:46:39pm	41.55394	-73.46975
1063	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:46:54pm	41.55399	-73.46980
1064	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	01:47:14pm	41.55405	-73.46977
1065	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/23/2016	01:53:35pm	41.55369	-73.47107
1066	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/23/2016	01:53:47pm	41.55376	-73.47118
1067	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/23/2016	01:53:50pm	41.55380	-73.47124
1068	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/23/2016	01:53:54pm	41.55383	-73.47131
1069	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/23/2016	01:53:59pm	41.55384	-73.47135
1070	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/23/2016	01:54:04pm	41.55382	-73.47142
1071	Greg Bugbee	MyrSpi	Point	Depth = 1-3 meters	8/23/2016	01:54:07pm	41.55379	-73.47146

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (22 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
1072	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	02:01:49pm	41.55516	-73.47242
1073	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:02:15pm	41.55509	-73.47245
1074	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:02:37pm	41.55503	-73.47250
1075	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:02:59pm	41.55497	-73.47254
1076	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:03:23pm	41.55498	-73.47263
1077	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:06:35pm	41.55505	-73.47282
1078	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:11:47pm	41.55498	-73.47276
1079	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:11:59pm	41.55502	-73.47291
1080	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:26:51pm	41.55146	-73.47067
1081	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:26:54pm	41.55142	-73.47062
1082	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:26:57pm	41.55139	-73.47055
1083	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:26:59pm	41.55137	-73.47050
1084	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:27:36pm	41.55082	-73.47007
1085	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:27:39pm	41.55077	-73.47006
1086	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:27:45pm	41.55067	-73.46999
1087	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:27:48pm	41.55063	-73.46994
1088	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:27:51pm	41.55059	-73.46989
1089	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:27:54pm	41.55055	-73.46983
1090	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:27:58pm	41.55052	-73.46977
1091	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:28:01pm	41.55050	-73.46972
1092	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:28:13pm	41.55036	-73.46958
1093	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:28:16pm	41.55032	-73.46954
1094	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:28:20pm	41.55027	-73.46949
1095	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:28:25pm	41.55024	-73.46943
1096	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:28:28pm	41.55021	-73.46939
1097	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:28:31pm	41.55018	-73.46935
1098	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:28:34pm	41.55015	-73.46930
1099	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:28:40pm	41.55010	-73.46923
1100	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:28:46pm	41.55004	-73.46914
1101	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:28:51pm	41.55000	-73.46908
1102	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:29:02pm	41.54990	-73.46894
1103	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:29:10pm	41.54982	-73.46882
1104	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:29:17pm	41.54976	-73.46872
1105	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:29:46pm	41.54960	-73.46849
1106	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:29:49pm	41.54954	-73.46846
1107	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:29:52pm	41.54948	-73.46840
1108	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:29:56pm	41.54943	-73.46832
1109	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:30:00pm	41.54938	-73.46823
1110	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:30:04pm	41.54935	-73.46815
1111	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:30:08pm	41.54932	-73.46808
1112	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:30:16pm	41.54927	-73.46793
1113	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:30:19pm	41.54926	-73.46784
1114	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:30:24pm	41.54925	-73.46774
1115	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:30:32pm	41.54922	-73.46757
1116	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:30:41pm	41.54917	-73.46740
1117	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:31:32pm	41.54865	-73.46691
1118	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:31:44pm	41.54851	-73.46681
1119	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:31:49pm	41.54842	-73.46677
1120	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:32:22pm	41.54795	-73.46644
1121	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:35:24pm	41.54721	-73.46632
1122	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:35:34pm	41.54710	-73.46641

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (23 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
1123	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:35:43pm	41.54696	-73.46649
1124	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:35:48pm	41.54688	-73.46649
1125	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:35:54pm	41.54678	-73.46648
1126	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:35:59pm	41.54670	-73.46646
1127	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:36:05pm	41.54657	-73.46644
1128	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	02:36:16pm	41.54644	-73.46647
1129	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	10:48:50am	41.49893	-73.44965
1130	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	10:49:51am	41.49951	-73.45017
1131	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	10:50:48am	41.50064	-73.45060
1132	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	10:58:43am	41.50545	-73.45344
1133	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:00:26am	41.50629	-73.45363
1134	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:00:48am	41.50664	-73.45375
1135	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:01:00am	41.50688	-73.45385
1136	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:01:24am	41.50732	-73.45397
1137	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:01:27am	41.50737	-73.45397
1138	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:01:30am	41.50743	-73.45400
1139	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:02:21am	41.50854	-73.45447
1140	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:03:57am	41.51081	-73.45472
1141	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:04:35am	41.51172	-73.45507
1142	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:05:05am	41.51216	-73.45517
1143	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:05:13am	41.51227	-73.45517
1144	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:05:16am	41.51231	-73.45520
1145	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:07:59am	41.51372	-73.45526
1146	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:49:11am	41.51546	-73.45291
1147	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:49:18am	41.51553	-73.45286
1148	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:49:58am	41.51620	-73.45278
1149	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:50:17am	41.51652	-73.45262
1150	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:50:38am	41.51690	-73.45243
1151	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:50:41am	41.51702	-73.45236
1152	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:52:14am	41.51800	-73.45215
1153	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:52:18am	41.51807	-73.45212
1154	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:53:27am	41.51874	-73.45184
1155	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:53:44am	41.51908	-73.45183
1156	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:54:09am	41.51962	-73.45173
1157	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:55:49am	41.52216	-73.45234
1158	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:56:03am	41.52250	-73.45246
1159	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:56:25am	41.52292	-73.45258
1160	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:56:49am	41.52313	-73.45267
1161	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:57:16am	41.52344	-73.45277
1162	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:57:36am	41.52385	-73.45295
1163	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:58:21am	41.52490	-73.45321
1164	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:58:24am	41.52495	-73.45317
1165	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:58:26am	41.52499	-73.45314
1166	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:58:30am	41.52504	-73.45312
1167	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:59:11am	41.52593	-73.45339
1168	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:59:15am	41.52602	-73.45337
1169	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:59:29am	41.52635	-73.45347
1170	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:59:32am	41.52643	-73.45346
1171	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:59:49am	41.52682	-73.45344
1172	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	11:59:54am	41.52692	-73.45347
1173	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:00:01pm	41.52708	-73.45351

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (24 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
1174	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:01:01pm	41.52840	-73.45376
1175	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:01:03pm	41.52845	-73.45375
1176	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:01:05pm	41.52851	-73.45373
1177	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:01:39pm	41.52941	-73.45377
1178	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:01:42pm	41.52949	-73.45374
1179	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:01:45pm	41.52955	-73.45373
1180	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:01:47pm	41.52961	-73.45372
1181	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:01:50pm	41.52968	-73.45373
1182	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:01:54pm	41.52975	-73.45375
1183	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:01:58pm	41.52982	-73.45377
1184	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	12:02:46pm	41.52959	-73.45357
1185	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	12:03:16pm	41.52967	-73.45360
1186	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	12:03:29pm	41.52969	-73.45361
1187	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	12:07:26pm	41.53191	-73.45482
1188	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	12:07:43pm	41.53193	-73.45478
1189	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:09:45pm	41.53256	-73.45461
1190	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:09:58pm	41.53248	-73.45470
1191	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:10:20pm	41.53249	-73.45455
1192	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:10:24pm	41.53254	-73.45451
1193	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:10:26pm	41.53257	-73.45448
1194	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:10:29pm	41.53261	-73.45444
1195	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:10:31pm	41.53260	-73.45439
1196	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:10:35pm	41.53258	-73.45434
1197	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:10:39pm	41.53253	-73.45435
1198	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:10:43pm	41.53249	-73.45439
1199	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	12:10:52pm	41.53237	-73.45452
1200	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	12:11:31pm	41.53248	-73.45430
1201	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:12:23pm	41.53322	-73.45471
1202	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:12:37pm	41.53333	-73.45474
1203	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:48:59pm	41.54469	-73.46133
1204	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:49:16pm	41.54473	-73.46138
1205	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:49:47pm	41.54491	-73.46156
1206	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:50:11pm	41.54507	-73.46177
1207	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	12:50:19pm	41.54511	-73.46175
1208	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/23/2016	12:51:11pm	41.54513	-73.46182
1209	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:51:43pm	41.54513	-73.46181
1210	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:55:01pm	41.54526	-73.46274
1211	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/23/2016	12:55:14pm	41.54524	-73.46277
1212	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:27:33pm	41.50228	-73.44268
1213	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:28:16pm	41.50321	-73.44265
1214	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:28:19pm	41.50327	-73.44262
1215	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:28:30pm	41.50351	-73.44260
1216	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:28:33pm	41.50358	-73.44261
1217	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:36:13pm	41.50400	-73.44129
1218	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:36:16pm	41.50394	-73.44126
1219	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:36:19pm	41.50388	-73.44121
1220	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:36:22pm	41.50382	-73.44116
1221	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:36:26pm	41.50376	-73.44108
1222	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:36:29pm	41.50371	-73.44099
1223	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:36:32pm	41.50368	-73.44090
1224	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:36:36pm	41.50365	-73.44078

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (25 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
1225	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:36:57pm	41.50336	-73.44047
1226	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:37:05pm	41.50334	-73.44047
1227	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:37:30pm	41.50317	-73.44025
1228	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:37:38pm	41.50316	-73.44021
1229	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:37:59pm	41.50285	-73.43986
1230	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:38:14pm	41.50279	-73.43983
1231	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:38:47pm	41.50274	-73.43943
1232	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:39:30pm	41.50271	-73.43869
1233	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:39:33pm	41.50270	-73.43860
1234	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:39:37pm	41.50273	-73.43849
1235	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:39:40pm	41.50276	-73.43842
1236	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:39:43pm	41.50279	-73.43834
1237	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:39:47pm	41.50283	-73.43825
1238	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:39:51pm	41.50286	-73.43815
1239	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:39:54pm	41.50289	-73.43811
1240	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:40:02pm	41.50300	-73.43801
1241	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:40:06pm	41.50305	-73.43794
1242	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:40:13pm	41.50314	-73.43786
1243	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:40:19pm	41.50326	-73.43783
1244	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:40:29pm	41.50343	-73.43779
1245	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/24/2016	01:41:11pm	41.50304	-73.43790
1246	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/24/2016	01:41:43pm	41.50285	-73.43806
1247	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/24/2016	01:42:08pm	41.50272	-73.43829
1248	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/24/2016	01:42:44pm	41.50260	-73.43861
1249	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:54:09pm	41.50647	-73.43822
1250	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:54:36pm	41.50665	-73.43829
1251	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:54:39pm	41.50671	-73.43826
1252	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:54:42pm	41.50678	-73.43827
1253	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:54:45pm	41.50685	-73.43832
1254	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:54:48pm	41.50690	-73.43834
1255	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:55:54pm	41.50836	-73.43871
1256	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	01:55:59pm	41.50846	-73.43871
1257	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:03:38pm	41.51274	-73.43928
1258	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:03:48pm	41.51263	-73.43923
1259	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:03:54pm	41.51251	-73.43928
1260	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:04:20pm	41.51200	-73.43915
1261	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:04:38pm	41.51204	-73.43917
1262	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:04:41pm	41.51208	-73.43912
1263	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/24/2016	02:27:57pm	41.51378	-73.43964
1264	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:28:21pm	41.51367	-73.43970
1265	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:28:36pm	41.51365	-73.43981
1266	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:28:38pm	41.51366	-73.43985
1267	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:28:41pm	41.51368	-73.43992
1268	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:28:46pm	41.51370	-73.44004
1269	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:28:48pm	41.51369	-73.44009
1270	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:28:50pm	41.51368	-73.44014
1271	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:28:53pm	41.51366	-73.44022
1272	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:28:58pm	41.51365	-73.44034
1273	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/24/2016	02:29:08pm	41.51365	-73.44046
1274	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/24/2016	02:29:55pm	41.51363	-73.44059
1275	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/24/2016	02:30:07pm	41.51362	-73.44062

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (26 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
1276	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	02:30:17pm	41.51356	-73.44071
1277	Greg Bugbee	MyrSpi	Point	DDepth = 1-3 meters	8/24/2016	08:48:52am	41.47039	-73.44530
1278	Greg Bugbee	MyrSpi	Point	DDepth = 1-3 meters	8/24/2016	08:49:29am	41.47038	-73.44540
1279	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	08:57:19am	41.47209	-73.44689
1280	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	08:57:39am	41.47211	-73.44686
1281	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	08:57:45am	41.47210	-73.44679
1282	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	09:40:22am	41.54374	-73.46629
1283	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	09:40:35am	41.54374	-73.46633
1284	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	09:54:35am	41.54604	-73.46824
1285	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	09:54:40am	41.54610	-73.46835
1286	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	09:55:21am	41.54671	-73.46920
1287	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	09:56:01am	41.54745	-73.46976
1288	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	09:56:05am	41.54755	-73.46978
1289	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	09:56:08am	41.54760	-73.46984
1290	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:05:47am	41.54825	-73.47076
1291	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:05:49am	41.54830	-73.47083
1292	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:05:57am	41.54840	-73.47109
1293	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:34:39am	41.53292	-73.46412
1294	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:34:50am	41.53289	-73.46405
1295	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:35:12am	41.53265	-73.46372
1296	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:35:24am	41.53253	-73.46355
1297	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:38:19am	41.53223	-73.46281
1298	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:39:00am	41.53229	-73.46239
1299	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:39:12am	41.53253	-73.46235
1300	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:39:14am	41.53257	-73.46233
1301	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:39:17am	41.53262	-73.46225
1302	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:39:41am	41.53303	-73.46191
1303	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:39:45am	41.53311	-73.46185
1304	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:40:17am	41.53358	-73.46168
1305	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:40:23am	41.53371	-73.46168
1306	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:45:54am	41.53584	-73.46210
1307	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:46:03am	41.53589	-73.46204
1308	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	10:46:05am	41.53589	-73.46198
1309	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:14:52am	41.53694	-73.46209
1310	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:14:55am	41.53700	-73.46214
1311	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:14:58am	41.53709	-73.46215
1312	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:15:01am	41.53719	-73.46215
1313	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:15:04am	41.53727	-73.46216
1314	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:15:23am	41.53775	-73.46232
1315	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:15:27am	41.53783	-73.46238
1316	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:15:31am	41.53792	-73.46243
1317	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:15:34am	41.53799	-73.46246
1318	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:15:37am	41.53805	-73.46250
1319	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:15:40am	41.53811	-73.46256
1320	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:15:43am	41.53816	-73.46263
1321	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:15:49am	41.53830	-73.46277
1322	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:16:19am	41.53899	-73.46305
1323	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:19:06am	41.54057	-73.46469
1324	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:19:30am	41.54053	-73.46455
1325	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:21:31am	41.53952	-73.46730
1326	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:21:50am	41.53904	-73.46708

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (27 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
1327	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:21:54am	41.53895	-73.46705
1328	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:21:58am	41.53885	-73.46701
1329	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:22:47am	41.53755	-73.46689
1330	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:22:51am	41.53741	-73.46688
1331	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:23:28am	41.53668	-73.46671
1332	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:23:30am	41.53652	-73.46666
1333	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:37:34am	41.53572	-73.46591
1334	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:37:43am	41.53559	-73.46579
1335	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:37:58am	41.53561	-73.46554
1336	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:38:11am	41.53562	-73.46549
1337	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:38:27am	41.53538	-73.46534
1338	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:38:31am	41.53536	-73.46532
1339	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:38:35am	41.53529	-73.46526
1340	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:38:41am	41.53523	-73.46524
1341	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	11:38:50am	41.53508	-73.46533
1342	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:18:24pm	41.49726	-73.44758
1343	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:18:55pm	41.49720	-73.44703
1344	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:18:59pm	41.49722	-73.44693
1345	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:19:03pm	41.49722	-73.44683
1346	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:19:08pm	41.49721	-73.44673
1347	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:19:15pm	41.49716	-73.44663
1348	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:19:18pm	41.49712	-73.44657
1349	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:19:36pm	41.49693	-73.44654
1350	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:19:39pm	41.49688	-73.44657
1351	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:19:44pm	41.49683	-73.44656
1352	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:19:56pm	41.49675	-73.44635
1353	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:20:01pm	41.49680	-73.44633
1354	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:20:04pm	41.49684	-73.44635
1355	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/24/2016	12:20:23pm	41.49715	-73.44649
1356	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/24/2016	12:20:40pm	41.49723	-73.44657
1357	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/24/2016	12:20:44pm	41.49728	-73.44666
1358	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/24/2016	12:20:59pm	41.49733	-73.44680
1359	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:39:28pm	41.50400	-73.44557
1360	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:39:37pm	41.50395	-73.44561
1361	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:39:54pm	41.50396	-73.44554
1362	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:57:29pm	41.49696	-73.44234
1363	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/24/2016	12:57:34pm	41.49698	-73.44228
1364	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:20:18pm	41.55257	-73.44233
1365	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:20:22pm	41.55256	-73.44223
1366	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:20:36pm	41.55243	-73.44210
1367	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:20:44pm	41.55233	-73.44202
1368	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:21:14pm	41.55205	-73.44166
1369	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:21:34pm	41.55181	-73.44145
1370	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:21:43pm	41.55180	-73.44138
1371	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:40:08pm	41.55684	-73.43960
1372	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:50:38pm	41.55892	-73.43997
1373	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:51:16pm	41.55916	-73.44007
1374	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:51:50pm	41.55936	-73.44019
1375	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:52:22pm	41.55966	-73.44041
1376	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:52:25pm	41.55972	-73.44038
1377	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:52:29pm	41.55978	-73.44040

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (28 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
1378	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:52:46pm	41.56002	-73.44054
1379	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:52:50pm	41.56000	-73.44043
1380	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:53:14pm	41.56018	-73.44054
1381	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:53:18pm	41.56025	-73.44055
1382	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:53:29pm	41.56046	-73.44060
1383	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	01:53:32pm	41.56051	-73.44056
1384	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:01:49pm	41.56348	-73.44053
1385	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:02:02pm	41.56353	-73.44054
1386	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:07:45pm	41.56460	-73.44056
1387	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:07:51pm	41.56471	-73.44059
1388	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:03pm	41.56490	-73.44074
1389	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:06pm	41.56497	-73.44072
1390	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:18pm	41.56515	-73.44092
1391	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:21pm	41.56522	-73.44093
1392	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:24pm	41.56529	-73.44094
1393	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:29pm	41.56537	-73.44100
1394	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:37pm	41.56552	-73.44113
1395	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:41pm	41.56560	-73.44116
1396	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:48pm	41.56575	-73.44126
1397	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:51pm	41.56581	-73.44130
1398	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:54pm	41.56587	-73.44133
1399	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:56pm	41.56592	-73.44136
1400	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:08:59pm	41.56596	-73.44139
1401	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:09:02pm	41.56601	-73.44144
1402	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:09:04pm	41.56606	-73.44147
1403	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:09:07pm	41.56610	-73.44148
1404	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/25/2016	02:09:19pm	41.56622	-73.44139
1405	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:15:54pm	41.56703	-73.44213
1406	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:15:59pm	41.56699	-73.44205
1407	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:16:04pm	41.56690	-73.44197
1408	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:16:14pm	41.56682	-73.44191
1409	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:16:18pm	41.56677	-73.44189
1410	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:17:39pm	41.56758	-73.44245
1411	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:18:01pm	41.56784	-73.44258
1412	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:18:24pm	41.56805	-73.44269
1413	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/25/2016	02:25:57pm	41.56943	-73.44265
1414	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:26:22pm	41.56941	-73.44279
1415	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	02:26:53pm	41.56934	-73.44284
1416	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/25/2016	02:31:04pm	41.57190	-73.44279
1417	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/25/2016	02:31:32pm	41.57199	-73.44270
1418	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/25/2016	02:31:49pm	41.57206	-73.44265
1419	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	09:56:39am	41.51366	-73.44155
1420	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	09:56:52am	41.51383	-73.44147
1421	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	09:56:57am	41.51394	-73.44148
1422	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	09:59:29am	41.51532	-73.44155
1423	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	09:59:33am	41.51533	-73.44148
1424	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:03:01am	41.51646	-73.44021
1425	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:03:07am	41.51641	-73.44015
1426	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:03:10am	41.51634	-73.44016
1427	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:03:14am	41.51626	-73.44019
1428	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:04:12am	41.51669	-73.43993

Appendix Lake Candlewood Eurasian watermilfoil to surface locations (29 of 29)

FID	Surveyor	Invasive Plant Name	Type	Notes	Date	Time	Latitude	Longitude
1429	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:04:36am	41.51700	-73.43940
1430	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:11:21am	41.51791	-73.43856
1431	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:11:39am	41.51790	-73.43859
1432	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:11:43am	41.51785	-73.43857
1433	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:12:51am	41.51765	-73.43864
1434	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:12:56am	41.51760	-73.43859
1435	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:12:59am	41.51757	-73.43862
1436	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:31:24am	41.51884	-73.43717
1437	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:31:27am	41.51890	-73.43724
1438	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:31:32am	41.51897	-73.43733
1439	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:31:35am	41.51903	-73.43738
1440	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:31:39am	41.51911	-73.43741
1441	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:32:29am	41.51870	-73.43705
1442	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:32:37am	41.51868	-73.43697
1443	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:32:54am	41.51858	-73.43680
1444	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/25/2016	10:33:01am	41.51849	-73.43679
1445	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:33:37am	41.51857	-73.43661
1446	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:36:09am	41.51866	-73.43630
1447	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	10:40:20am	41.51983	-73.43523
1448	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/25/2016	10:40:28am	41.51994	-73.43523
1449	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/25/2016	11:59:20am	41.53372	-73.43869
1450	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/25/2016	11:59:59am	41.53392	-73.43877
1451	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/25/2016	12:01:09pm	41.53436	-73.43890
1452	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/25/2016	12:01:12pm	41.53442	-73.43883
1453	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:13:06pm	41.53587	-73.44062
1454	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:13:16pm	41.53593	-73.44067
1455	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:13:31pm	41.53605	-73.44086
1456	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:33:13pm	41.54349	-73.44322
1457	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:33:19pm	41.54348	-73.44314
1458	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:33:24pm	41.54346	-73.44305
1459	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:33:28pm	41.54344	-73.44300
1460	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:33:33pm	41.54342	-73.44293
1461	Greg Bugbee	MyrSpi	Point	Depth = 0-1 meter	8/25/2016	12:33:45pm	41.54339	-73.44285
1462	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:35:10pm	41.54378	-73.44282
1463	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:35:51pm	41.54407	-73.44303
1464	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:35:55pm	41.54410	-73.44298
1465	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:59:30pm	41.55091	-73.44400
1466	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:59:33pm	41.55096	-73.44396
1467	Greg Bugbee	MyrSpi	Point	Depth = 1-2 meters	8/25/2016	12:59:55pm	41.55154	-73.44406

Appendix Squantz Pond Invasive Plant Location Data (1 of 3)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
1	MyrSpi	To surface 0-3	Patch	7/27/2016	41.51058	-73.47217	1-3	4	0.5231
2	NajMin		Patch	7/27/2016	41.51142	-73.47400	0-1	3	1.9547
3	MyrSpi	To surface flowering and algae	Patch	7/27/2016	41.51056	-73.47208	1-3	5	0.3502
4	MyrSpi		Patch	7/27/2016	41.51164	-73.47437	1-3	2	0.4690
5	MyrSpi		Patch	7/27/2016	41.51132	-73.47083	1-3	4	0.0968
6	MyrSpi		Point	7/27/2016	41.51147	-73.47101	0-1	3	0.0002
7	MyrSpi		Point	7/27/2016	41.51149	-73.47105	0-1	3	0.0002
8	MyrSpi		Point	7/27/2016	41.51150	-73.47107	0-1	3	0.0002
9	MyrSpi		Point	7/27/2016	41.51150	-73.47113	0-1	3	0.0002
10	MyrSpi		Point	7/27/2016	41.51150	-73.47117	1-3	3	0.0002
11	MyrSpi		Point	7/27/2016	41.51152	-73.47120	1-3	3	0.0002
12	MyrSpi		Point	7/27/2016	41.51164	-73.47130	1-3	3	0.0002
13	MyrSpi		Point	7/27/2016	41.51166	-73.47130	1-3	3	0.0002
14	MyrSpi		Point	7/27/2016	41.51165	-73.47134	1-3	3	0.0002
15	MyrSpi		Point	7/27/2016	41.51168	-73.47135	1-3	3	0.0002
16	MyrSpi		Point	7/27/2016	41.51171	-73.47138	1-3	3	0.0002
17	MyrSpi		Point	7/27/2016	41.51186	-73.47162	1-3	3	0.0002
18	MyrSpi		Point	7/27/2016	41.51191	-73.47165	1-3	3	0.0002
19	MyrSpi		Patch	7/27/2016	41.51219	-73.47219	1-3	4	0.0291
20	MyrSpi		Patch	7/27/2016	41.51219	-73.47205	1-3	3	0.1127
21	MyrSpi		Patch	7/27/2016	41.51239	-73.47244	1-3	4	0.1384
22	MyrSpi		Patch	7/27/2016	41.51456	-73.47410	1-3	3	0.3784
23	MyrSpi		Patch	7/27/2016	41.51483	-73.47464	1-3	2	0.0281
24	MyrSpi	With NajMin = 3	Patch	7/27/2016	41.51547	-73.47519	1-3	4	1.0063
25	MyrSpi		Patch	7/27/2016	41.51605	-73.47557	1-3	2	0.0896
26	MyrSpi	With NajMin = 3	Patch	7/27/2016	41.51646	-73.47617	1-3	4	0.5397
27	MyrSpi		Patch	7/27/2016	41.51692	-73.47676	1-3	1	0.0681
28	MyrSpi		Patch	7/27/2016	41.51725	-73.47682	1-3	4	0.1727
29	MyrSpi	With NajMin = 3	Patch	7/27/2016	41.51767	-73.47731	1-3	3	0.1862
30	MyrSpi		Patch	7/27/2016	41.51901	-73.47835	1-3	4	1.0013
31	MyrSpi	With NajMin = 2	Patch	7/27/2016	41.52134	-73.47978	1-3	3	0.3326
32	MyrSpi	With NajMin = 3	Patch	7/27/2016	41.52518	-73.48222	1-3	4	4.7143
33	MyrSpi		Patch	7/27/2016	41.52356	-73.48144	0-1	2	0.0085
34	MyrSpi		Patch	7/27/2016	41.52326	-73.48121	1-3	2	0.0163
35	MyrSpi		Patch	7/27/2016	41.52083	-73.47946	0-1	2	0.0190
36	NajMin		Patch	7/27/2016	41.52177	-73.47997	0-1	2	0.0589
37	NajMin		Patch	7/27/2016	41.52116	-73.47957	0-1	3	0.0606
38	MyrSpi		Patch	7/27/2016	41.51679	-73.47628	1-3	5	0.0702
39	MyrSpi		Patch	7/27/2016	41.52279	-73.48084	1-3	2	0.1045
40	NajMin		Patch	7/27/2016	41.51771	-73.47716	0-1	3	0.1066
41	NajMin		Patch	7/27/2016	41.51548	-73.47497	0-1	3	0.1516
42	MyrSpi		Patch	7/27/2016	41.51079	-73.47223	3-5	3	0.1525
43	MyrSpi		Patch	7/27/2016	41.52365	-73.48154	1-3	3	0.1987
44	MyrSpi		Patch	7/27/2016	41.51046	-73.47176	1-3	2	0.3087

Appendix Squantz Pond Invasive Plant Location Data (2 of 3)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
45	MyrSpi		Patch	7/27/2016	41.51037	-73.47163	0-1	1	0.4995
46	NajMin		Patch	7/27/2016	41.51037	-73.47179	0-1	4	0.5056
47	NajMin		Patch	7/27/2016	41.51940	-73.47847	0-1	2	0.6867
48	MyrSpi		Patch	7/27/2016	41.51116	-73.47365	1-3	3	0.8329
49	NajMin		Patch	7/27/2016	41.52487	-73.48182	0-1	3	1.6439
50	MyrSpi	With NajMin = 3	Patch	7/28/2016	41.51182	-73.47754	1-3	4	2.4998
51	MyrSpi	Flowering	Patch	7/28/2016	41.51085	-73.47946	1-3	5	0.1596
52	MyrSpi	With NajMin = 3	Patch	7/28/2016	41.51254	-73.47590	1-3	2	0.3862
53	PotCri		Point	7/28/2016	41.53673	-73.48351	0-1	2	0.0002
54	PotCri		Point	7/28/2016	41.53793	-73.48341	0-1	2	0.0002
55	MyrSpi	With NajMin = 4	Patch	7/28/2016	41.53918	-73.48346	0-1	2	0.6821
56	NajMin		Patch	7/28/2016	41.53723	-73.48323	0-1	1	1.4983
57	MyrSpi	Flowering lots of algae	Patch	7/28/2016	41.53524	-73.48418	1-3	5	3.9210
58	MyrSpi	Flowering lots of algae. With NajMin = 3	Patch	7/28/2016	41.53327	-73.48354	1-3	3	11.9233
59	Myrspi		Point	7/28/2016	41.53723	-73.48308	1-3	1	0.0002
60	MyrSpi		Point	7/28/2016	41.53708	-73.48336	1-3	1	0.0002
61	MyrSpi		Point	7/28/2016	41.53719	-73.48330	1-3	1	0.0002
62	MyrSpi		Point	7/28/2016	41.53730	-73.48338	1-3	1	0.0002
63	MyrSpi		Point	7/28/2016	41.53742	-73.48326	1-3	1	0.0002
64	MyrSpi		Point	7/28/2016	41.53754	-73.48336	1-3	1	0.0002
65	MyrSpi		Point	7/28/2016	41.53768	-73.48324	1-3	1	0.0002
66	MyrSpi		Point	7/28/2016	41.53776	-73.48337	1-3	1	0.0002
67	MyrSpi		Point	7/28/2016	41.53781	-73.48329	1-3	1	0.0002
68	MyrSpi		Point	7/28/2016	41.53732	-73.48319	1-3	1	0.0002
69	NajMin		Patch	7/28/2016	41.53386	-73.48319	0-1	3	0.0941
70	MyrSpi		Patch	7/28/2016	41.53538	-73.48367	1-3	2	0.1149
71	NajMin		Patch	7/28/2016	41.53260	-73.48282	0-1	3	0.1528
72	NajMin		Patch	7/28/2016	41.53897	-73.48360	0-1	5	0.2018
73	NajMin		Patch	7/28/2016	41.53379	-73.48309	0-1	4	0.2758
74	NajMin		Patch	7/28/2016	41.52861	-73.48279	0-1	1	0.4697
75	NajMin		Patch	7/28/2016	41.51144	-73.47778	0-1	3	0.8870
76	NajMin		Patch	7/28/2016	41.53574	-73.48316	0-1	2	0.9534
77	NajMin		Patch	7/28/2016	41.53898	-73.48338	0-1	4	2.0211
78	MyrSpi	Flowering	Patch	8/2/2016	41.53065	-73.48512	1-3	5	2.0608
79	MyrSpi		Patch	8/2/2016	41.53095	-73.48481	1-3	4	0.3224
80	NajMin		Patch	8/2/2016	41.52978	-73.48527	0-1	1	0.0704
81	MyrSpi		Patch	8/2/2016	41.53065	-73.48345	3-5	4	1.4161
82	MyrSpi	Flowering	Patch	8/2/2016	41.52916	-73.48496	1-3	4	0.1621
83	MyrSpi		Point	8/2/2016	41.52867	-73.48506	1-3	3	0.0002
84	MyrSpi		Point	8/2/2016	41.52868	-73.48506	1-3	3	0.0002
85	MyrSpi		Point	8/2/2016	41.52872	-73.48505	1-3	3	0.0002
86	MyrSpi		Point	8/2/2016	41.52874	-73.48502	1-3	3	0.0002
87	MyrSpi		Point	8/2/2016	41.52876	-73.48501	1-3	3	0.0002
88	MyrSpi		Point	8/2/2016	41.52853	-73.48514	1-3	3	0.0002

Appendix Squantz Pond Invasive Plant Location Data (3 of 3)

FID	Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
89	MyrSpi		Point	8/2/2016	41.52856	-73.48516	1-3	3	0.0002
90	MyrSpi		Point	8/2/2016	41.52858	-73.48515	1-3	3	0.0002
91	MyrSpi	Flowering	Patch	8/2/2016	41.52803	-73.48581	1-3	3	0.1542
92	MyrSpi		Point	8/2/2016	41.52742	-73.48593	1-3	3	0.0002
93	MyrSpi		Point	8/2/2016	41.52738	-73.48593	1-3	3	0.0002
94	MyrSpi		Point	8/2/2016	41.52732	-73.48597	1-3	3	0.0002
95	MyrSpi		Point	8/2/2016	41.52730	-73.48600	1-3	3	0.0002
96	MyrSpi		Patch	8/2/2016	41.52715	-73.48599	1-3	2	0.0818
97	MyrSpi	Flowering	Patch	8/2/2016	41.52631	-73.48596	1-3	3	0.4876
98	MyrSpi		Patch	8/2/2016	41.52568	-73.48589	1-3	4	0.7997
99	MyrSpi		Point	8/2/2016	41.52423	-73.48544	1-3	3	0.0002
100	MyrSpi		Point	8/2/2016	41.52421	-73.48547	1-3	2	0.0002
101	MyrSpi		Point	8/2/2016	41.52417	-73.48547	1-3	2	0.0002
102	MyrSpi		Point	8/2/2016	41.52162	-73.48482	1-3	1	0.0002
103	MyrSpi		Point	8/2/2016	41.52157	-73.48487	1-3	1	0.0002
104	MyrSpi		Point	8/2/2016	41.52020	-73.48474	1-3	1	0.0002
105	MyrSpi		Point	8/2/2016	41.52012	-73.48481	1-3	1	0.0002
106	MyrSpi		Point	8/2/2016	41.51716	-73.48306	1-3	1	0.0002
107	MyrSpi		Point	8/2/2016	41.51716	-73.48310	1-3	3	0.0002
108	MyrSpi		Point	8/2/2016	41.51714	-73.48310	1-3	1	0.0002
109	MyrSpi		Point	8/2/2016	41.51694	-73.48304	1-3	1	0.0002
110	MyrSpi		Point	8/2/2016	41.51692	-73.48307	1-3	2	0.0002
111	MyrSpi		Point	8/2/2016	41.51691	-73.48307	1-3	1	0.0002
112	MyrSpi		Patch	8/2/2016	41.51658	-73.48293	1-3	1	0.1040
113	MyrSpi		Point	8/2/2016	41.51579	-73.48241	1-3	2	0.0002
114	MyrSpi		Patch	8/2/2016	41.52695	-73.48605	1-3	3	0.0268
115	MyrSpi		Patch	8/2/2016	41.52768	-73.48593	0-1	2	0.0307
116	MyrSpi		Patch	8/2/2016	41.52846	-73.48587	1-3	2	0.0971
117	MyrSpi		Patch	8/2/2016	41.52809	-73.48587	1-3	5	0.0980
118	MyrSpi		Patch	8/2/2016	41.52806	-73.48554	1-3	4	0.1088
119	MyrSpi		Patch	8/2/2016	41.53093	-73.48293	0-1	2	0.2593
120	NajMin		Patch	8/2/2016	41.53121	-73.48282	0-1	3	0.3482
121	NajMin		Patch	8/2/2016	41.53096	-73.48289	0-1	4	0.4370
122	MyrSpi		Patch	8/2/2016	41.53087	-73.48316	1-3	5	0.8395

Appendix Lake Zoar Invasive Plant Location Data (1 of 7)

FID	Invasive Plant Name	Notes	Type	Date	Longitude	Latitude	Depth (m)	Abundance	Area (acres)
1	NajMin		Patch	8/17/2016	-73.22744	41.43185	0-1	2	0.07388
2	NajMin	full cove area mixed w cerdem elonut valame	Patch	8/17/2016	-73.22713	41.43130	0-1	4	0.65865
3	MyrSpi	ı 3 top of cove points of potcri on NE portion center not	Patch	8/17/2016	-73.20673	41.42437	0-1	2	0.66253
4	MyrSpi		Patch	8/17/2016	-73.20654	41.42108	1-3	3	0.09325
5	MyrSpi		Patch	8/17/2016	-73.20607	41.42048	0-1	2	0.03407
6	MyrSpi		Patch	8/17/2016	-73.19371	41.41144	1-3	2	0.06718
7	NajMin		Patch	8/17/2016	-73.19231	41.41131	1-3	2	0.10624
8	MyrSpi		Patch	8/17/2016	-73.19201	41.41120	1-3	3	0.15907
9	NajMin		Patch	8/17/2016	-73.18808	41.41080	1-3	3	0.07547
10	MyrSpi		Patch	8/17/2016	-73.18836	41.41062	1-3	3	0.10669
11	MyrSpi		Patch	8/17/2016	-73.18787	41.41038	1-3	4	0.25391
12	MyrSpi	najmin 1	Patch	8/17/2016	-73.18587	41.39606	1-3	2	0.01688
13	NajMin		Patch	8/18/2016	-73.18650	41.39057	0-1	2	0.00318
14	MyrSpi	connect less abundant SW side	Patch	8/18/2016	-73.18607	41.38964	0-1	2	0.53935
15	MyrSpi		Patch	8/18/2016	-73.18467	41.38996	0-1	1	0.04010
16	MyrSpi		Patch	8/18/2016	-73.18124	41.38800	1-3	2	0.12256
17	NajMin		Patch	8/18/2016	-73.18148	41.38817	0-1	3	0.15795
18	MyrSpi		Patch	8/18/2016	-73.17871	41.38501	1-3	3	0.07542
19	NajMin		Patch	8/18/2016	-73.17761	41.38368	0-1	2	0.01494
20	NajMin		Patch	8/18/2016	-73.17725	41.38317	0-1	2	0.01152
21	NajMin		Patch	8/18/2016	-73.17729	41.38192	0-1	2	0.20676
22	MyrSpi		Patch	8/18/2016	-73.17715	41.38173	1-3	2	0.12671
23	NajMin		Patch	8/18/2016	-73.17622	41.38159	0-1	2	0.21262
24	MyrSpi	major fix 0-3 depth	Patch	8/23/2016	-73.17531	41.38184	1-3	3	1.76844
25	NajMin	make inner lime to shore	Patch	8/23/2016	-73.17513	41.38168	0-1	4	0.27909
26	NajMin	fix	Patch	8/23/2016	-73.17426	41.38204	0-1	3	0.01925
27	MyrSpi	fix	Patch	8/23/2016	-73.17219	41.38493	0-1	2	0.02631
28	MyrSpi	fix	Patch	8/23/2016	-73.17295	41.38547	1-3	2	0.02907
29	MyrSpi	fix	Patch	8/23/2016	-73.17374	41.38610	1-3	1	0.00636
30	MyrSpi		Patch	8/23/2016	-73.17537	41.38876	1-3	2	0.15506
31	NajMin	to shore	Patch	8/23/2016	-73.17530	41.38872	1-3	3	0.14744
32	MyrSpi	to shore	Patch	8/23/2016	-73.17500	41.38976	1-3	2	0.07194
33	MyrSpi		Patch	8/23/2016	-73.17398	41.39132	1-3	2	0.09302
34	MyrSpi	najmin 4 nothing in center shallow area	Patch	8/23/2016	-73.17459	41.39174	1-3	2	0.18770
35	NajMin		Patch	8/23/2016	-73.17574	41.39037	0-1	1	0.00408
36	MyrSpi	valame 5 potsp 3 draw milfoil to 5m away from shore	Patch	8/8/2016	-73.26892	41.44739	0-1	2	1.45841
37	NajMin		Patch	8/8/2016	-73.26877	41.44732	0-1	4	1.25862
38	MyrSpi		Patch	8/8/2016	-73.27297	41.45172	1-3	3	0.24970
39	MyrSpi		Patch	8/8/2016	-73.27535	41.45289	0-1	3	0.16884
40	MyrSpi	potcri 3 najmin in cove 2	Patch	8/8/2016	-73.28041	41.45319	1-3	4	1.70069
41	MyrSpi		Patch	8/8/2016	-73.28633	41.45160	1-3	2	0.03972
42	MyrSpi	fix outside line	Patch	8/8/2016	-73.28895	41.45020	1-3	2	0.55797
43	PotCri		Patch	8/8/2016	-73.28974	41.44980	0-1	4	0.07497
44	MyrSpi	pot cri at 2	Patch	8/8/2016	-73.29122	41.44814	0-1	2	0.16631
45	PotCri	najmin at a 2	Patch	8/8/2016	-73.28826	41.44962	0-1	4	0.00636
46	MyrSpi		Patch	8/8/2016	-73.28608	41.45068	1-3	2	1.72819
47	MyrSpi	ɐ back S side contin thinner patch at abd3/ draw in potcr	Patch	8/9/2016	-73.28531	41.45116	0-1	1	3.75898

Appendix Lake Zoar Invasive Plant Location Data (2 of 7)

FID	Invasive Plant Name	Notes	Type	Date	Longitude	Latitude	Depth (m)	Abundance	Area (acres)
48	NajMin	nake points of potcri and myrspi throughout maybe 12-1	Patch	8/9/2016	-73.27034	41.44586	0-1	4	6.32856
49	MyrSpi	min 3 along shore extend E only by houses potcri 2 poin	Patch	8/9/2016	-73.26724	41.44108	0-1	1	1.11774
50	MyrSpi	najmin 3 pot cri 2	Patch	8/9/2016	-73.26678	41.43880	0-1	2	0.25854
51	NajMin	potcri 2	Patch	8/9/2016	-73.26671	41.43826	0-1	3	0.31158
52	NajMin		Patch	8/9/2016	-73.26578	41.43645	0-1	2	0.08623
53	MyrSpi	to shore	Patch	8/10/2016	-73.27772	41.45215	1-3	3	0.82630
54	NajMin	to shore	Patch	8/10/2016	-73.24435	41.42929	0-1	2	0.01966
55	MyrSpi	covered in algae najmin 4	Patch	8/11/2016	-73.20238	41.41402	1-3	3	0.48604
56	NajMin		Patch	8/11/2016	-73.20253	41.41403	0-1	5	0.27374
57	NajMin	myrspi 2	Patch	8/11/2016	-73.20168	41.41317	0-1	4	0.64688
58	MyrSpi		Patch	8/11/2016	-73.20133	41.41274	1-3	2	1.21348
59	MyrSpi		Patch	8/11/2016	-73.18883	41.40035	1-3	3	0.31966
60	NajMin	spotty satellite to shore	Patch	8/11/2016	-73.18911	41.40025	1-3	2	0.02359
61	MyrSpi		Patch	8/11/2016	-73.19011	41.39866	0-1	2	0.37332
62	NajMin		Patch	8/11/2016	-73.19046	41.39859	0-1	3	0.09935
63	MyrSpi	to shore	Patch	8/11/2016	-73.18661	41.38956	0-1	3	0.33295
64	NajMin	to shore	Patch	8/11/2016	-73.18689	41.38940	0-1	2	0.02241
65	NajMin	to shore najmin 2	Patch	8/11/2016	-73.18631	41.38930	0-1	2	0.12376
66	MarQua		Patch	8/9/2016	-73.27164	41.44675	0-1	4	0.19029
67	MarQua		Patch	8/9/2016	-73.26854	41.43908	0-1	3	0.14220
68	MarQua		Patch	8/9/2016	-73.26932	41.43878	0-1	3	0.01090
69	MarQua		Patch	8/9/2016	-73.26930	41.43852	0-1	3	0.00313
70	MyrSpi		Patch	8/9/2016	-73.26646	41.43773	0-1	1	0.00788
71	MyrSpi		Patch	8/9/2016	-73.26652	41.43789	0-1	2	0.16013
72	MyrSpi		Patch	8/9/2016	-73.26636	41.43751	0-1	2	0.02150
73	MyrSpi		Patch	8/9/2016	-73.26638	41.43744	0-1	3	0.01752
74	NajMin		Patch	8/9/2016	-73.26747	41.43804	0-1	3	5.07537
75	MyrSpi		Patch	8/9/2016	-73.26920	41.43861	0-1	4	0.31981
76	NajMin		Patch	8/9/2016	-73.26948	41.43861	0-1	4	0.29283
77	PotCri		Patch	8/9/2016	-73.26929	41.43860	0-1	4	0.58555
78	NajMin		Patch	8/9/2016	-73.26908	41.43860	0-1	2	0.39455
79	NajMin		Patch	8/9/2016	-73.26852	41.43903	0-1	2	0.32560
80	NajMin		Patch	8/9/2016	-73.26720	41.44048	0-1	3	1.05540
81	NajMin		Patch	8/11/2016	-73.19058	41.39803	0-1	2	0.05130
82	MyrSpi		Patch	8/8/2016	-73.28344	41.45232	0-1	2	0.03171
83	MyrSpi		Patch	8/8/2016	-73.28407	41.45218	0-1	1	0.01464
84	MyrSpi		Patch	8/9/2016	-73.27068	41.44716	0-1	2	0.89048
85	PotCri		Patch	8/8/2016	-73.26899	41.44756	0-1	3	0.92902
86	NajMin		Patch	8/17/2016	-73.20608	41.42051	0-1	3	0.03760
87	NajMin		Patch	8/11/2016	-73.20124	41.41292	0-2	3	0.33890
88	MyrSpi		Patch	8/11/2016	-73.20118	41.41283	0-2	3	0.22495
89	NajMin		Patch	8/11/2016	-73.20174	41.41272	0-1	2	0.01230
90	PotCri		Patch	8/9/2016	-73.27138	41.44630	0-1	2	1.24718
91	MyrSpi		Patch	8/9/2016	-73.27117	41.44610	0-1	1	1.67644
92	PotCri		Patch	8/9/2016	-73.28557	41.45087	0-1	2	1.47134
93	NajMin		Patch	8/9/2016	-73.28531	41.45094	0-2	2	3.01754
94	MyrSpi		Patch	8/9/2016	-73.28258	41.45163	0-1	3	0.40451

Appendix Lake Zoar Invasive Plant Location Data (3 of 7)

FID	Invasive Plant Name	Notes	Type	Date	Longitude	Latitude	Depth (m)	Abundance	Area (acres)
95	NajMin		Patch	8/9/2016	-73.28824	41.44962	0-1	2	0.00658
96	PotCri		Patch	8/8/2016	-73.29126	41.44817	1-2	2	0.11449
97	PotCri		Patch	8/8/2016	-73.28075	41.45330	0-1	3	0.51280
98	NajMin		Patch	8/8/2016	-73.28146	41.45306	0-2	4	0.19764
99	NajMin		Patch	8/8/2016	-73.28088	41.45330	0-1	3	0.62488
100	NajMin		Patch	8/23/2016	-73.17446	41.39177	0-2	5	0.07347
101	NajMin		Patch	8/17/2016	-73.18582	41.39604	0-1	1	0.02593
102	NajMin		Patch	8/23/2016	-73.17446	41.39178	0-1	4	0.02460
103	NajMin		Patch	8/23/2016	-73.17458	41.39165	1-2	1	0.04755
104	MyrSpi		Patch	8/23/2016	-73.17447	41.39169	1-2	1	0.06165
105	NajMin		Patch	8/23/2016	-73.17523	41.38177	1-2	3	0.06101
106	NajMin		Patch	8/23/2016	-73.17523	41.38154	0-1	2	0.08243
107	NajMin		Patch	8/17/2016	-73.21963	41.43043	0-1	2	0.09681
108	NajMin		Patch	8/17/2016	-73.22209	41.43084	0-1	2	0.16540
109	NajMin		Patch	8/17/2016	-73.22271	41.43091	0-1	1	0.09942
110	NajMin		Patch	8/17/2016	-73.22563	41.43093	0-1	2	0.32079
111	NajMin		Patch	8/17/2016	-73.20635	41.42461	0-1	3	0.09064
112	MyrSpi		Patch	8/17/2016	-73.20657	41.42422	1-2	3	0.02722
113	MyrSpi		Patch	8/17/2016	-73.20638	41.42452	0-1	3	0.06361
114	PotCri		Patch	8/9/2016	-73.26757	41.43842	0-1	2	0.01443
115	PotCri		Patch	8/9/2016	-73.26810	41.43818	0-1	2	0.03227
116	PotCri		Patch	8/9/2016	-73.26690	41.43770	0-1	2	0.01108
117	PotCri		Patch	8/9/2016	-73.26748	41.43802	0-1	2	0.01079
118	PotCri		Patch	8/9/2016	-73.26720	41.43821	0-1	2	0.01906
119	PotCri		Patch	8/9/2016	-73.26707	41.43793	0-1	2	0.01176
120	PotCri		Patch	8/9/2016	-73.26681	41.43823	0-1	2	0.18038
121	PotCri		Patch	8/9/2016	-73.26644	41.43753	0-1	3	0.11340
122	PotCri		Patch	8/9/2016	-73.26751	41.43756	0-1	2	0.02482
123	PotCri		Patch	8/9/2016	-73.26798	41.43852	0-1	2	0.00638
124	PotCri		Patch	8/9/2016	-73.26737	41.43781	0-1	2	0.01049
125	PotCri		Patch	8/9/2016	-73.26788	41.43779	0-1	2	0.00785
126	PotCri		Patch	8/9/2016	-73.26773	41.44276	0-1	2	0.01085
127	MyrSpi		Point	8/17/2016	-73.23596	41.42787	0-1	2	0.0002
128	PotCri		Point	8/17/2016	-73.22747	41.43183	0-1	1	0.0002
129	NajMin		Point	8/17/2016	-73.22727	41.43164	0-1	1	0.0002
130	NajMin		Point	8/17/2016	-73.22724	41.43164	0-1	1	0.0002
131	MyrSpi		Point	8/17/2016	-73.21971	41.43045	1-3	2	0.0002
132	MyrSpi		Point	8/17/2016	-73.20771	41.42197	1-3	1	0.0002
133	MyrSpi		Point	8/17/2016	-73.20739	41.42395	0-1	1	0.0002
134	MyrSpi		Point	8/17/2016	-73.20729	41.42410	0-1	2	0.0002
135	MyrSpi		Point	8/17/2016	-73.20727	41.42411	0-1	2	0.0002
136	PotCri		Point	8/17/2016	-73.20725	41.42414	0-1	1	0.0002
137	PotCri		Point	8/17/2016	-73.20602	41.42051	0-1	2	0.0002
138	MyrSpi		Point	8/17/2016	-73.19512	41.41164	0-1	3	0.0002
139	MyrSpi		Point	8/17/2016	-73.19461	41.41180	0-1	3	0.0002
140	NajMin		Point	8/17/2016	-73.19372	41.41153	0-1	2	0.0002
141	MyrSpi		Point	8/17/2016	-73.19258	41.41138	0-1	2	0.0002

Appendix Lake Zoar Invasive Plant Location Data (4 of 7)

FID	Invasive Plant Name	Notes	Type	Date	Longitude	Latitude	Depth (m)	Abundance	Area (acres)
142	MyrSpi		Point	8/17/2016	-73.19248	41.41136	0-1	1	0.0002
143	NajMin		Point	8/17/2016	-73.19090	41.41156	0-1	2	0.0002
144	NajMin		Point	8/17/2016	-73.18357	41.40817	0-1	2	0.0002
145	NajMin		Point	8/17/2016	-73.18361	41.40816	0-1	3	0.0002
146	MyrSpi		Point	8/17/2016	-73.18477	41.39530	1-3	3	0.0002
147	MyrSpi		Point	8/17/2016	-73.18441	41.39503	1-3	3	0.0002
148	MyrSpi		Point	8/17/2016	-73.18440	41.39504	1-3	3	0.0002
149	MyrSpi		Point	8/17/2016	-73.18439	41.39504	1-3	3	0.0002
150	MyrSpi		Point	8/17/2016	-73.18423	41.39496	1-3	3	0.0002
151	NajMin		Point	8/17/2016	-73.18284	41.39424	1-3	3	0.0002
152	MyrSpi		Point	8/18/2016	-73.18674	41.39079	0-1	1	0.0002
153	NajMin		Point	8/18/2016	-73.18670	41.39078	0-1	1	0.0002
154	NajMin		Point	8/18/2016	-73.18669	41.39072	0-1	1	0.0002
155	NajMin		Point	8/18/2016	-73.18674	41.39082	0-1	1	0.0002
156	NajMin		Point	8/18/2016	-73.18677	41.39085	0-1	1	0.0002
157	NajMin		Point	8/18/2016	-73.18678	41.39091	0-1	1	0.0002
158	NajMin		Point	8/18/2016	-73.18703	41.39195	0-1	1	0.0002
159	PotCri		Point	8/18/2016	-73.18614	41.38942	0-1	2	0.0002
160	NajMin		Point	8/18/2016	-73.18575	41.38996	0-1	3	0.0002
161	NajMin		Point	8/18/2016	-73.18362	41.38975	1-3	2	0.0002
162	NajMin		Point	8/18/2016	-73.18361	41.38971	0-1	2	0.0002
163	NajMin		Point	8/18/2016	-73.18250	41.38907	1-3	3	0.0002
164	MyrSpi		Point	8/18/2016	-73.18220	41.38885	1-3	3	0.0002
165	NajMin		Point	8/18/2016	-73.18222	41.38883	1-3	3	0.0002
166	NajMin		Point	8/18/2016	-73.18217	41.38882	1-3	4	0.0002
167	NajMin		Point	8/18/2016	-73.18215	41.38882	1-3	4	0.0002
168	NajMin		Point	8/18/2016	-73.18197	41.38865	1-3	3	0.0002
169	NajMin		Point	8/18/2016	-73.18194	41.38861	1-3	3	0.0002
170	NajMin		Point	8/18/2016	-73.17908	41.38494	0-1	1	0.0002
171	NajMin		Point	8/18/2016	-73.17896	41.38489	0-1	1	0.0002
172	NajMin		Point	8/18/2016	-73.17889	41.38487	0-1	1	0.0002
173	NajMin		Point	8/18/2016	-73.17891	41.38486	0-1	1	0.0002
174	NajMin		Point	8/18/2016	-73.17890	41.38487	0-1	1	0.0002
175	NajMin		Point	8/18/2016	-73.17825	41.38448	1-3	2	0.0002
176	NajMin		Point	8/18/2016	-73.17734	41.38240	0-1	3	0.0002
177	PotCri		Point	8/18/2016	-73.17600	41.38158	0-1	2	0.0002
178	PotCri		Point	8/18/2016	-73.17498	41.38168	0-1	1	0.0002
179	PotCri		Point	8/23/2016	-73.17436	41.38203	0-1	2	0.0002
180	PotCri		Point	8/23/2016	-73.17436	41.38201	0-1	2	0.0002
181	NajMin		Point	8/23/2016	-73.17274	41.38549	0-1	2	0.0002
182	NajMin		Point	8/23/2016	-73.17276	41.38550	0-1	2	0.0002
183	MyrSpi		Point	8/23/2016	-73.17292	41.38552	1-3	2	0.0002
184	NajMin		Point	8/23/2016	-73.17314	41.38549	0-1	2	0.0002
185	NajMin		Point	8/23/2016	-73.17379	41.38608	1-3	2	0.0002
186	MyrSpi		Point	8/23/2016	-73.17455	41.38740	1-3	1	0.0002
187	MyrSpi		Point	8/23/2016	-73.17472	41.39022	0-1	1	0.0002
188	MyrSpi		Point	8/23/2016	-73.17399	41.39160	0-1	2	0.0002

Appendix Lake Zoar Invasive Plant Location Data (5 of 7)

FID	Invasive Plant Name	Notes	Type	Date	Longitude	Latitude	Depth (m)	Abundance	Area (acres)
189	MyrSpi		Point	8/23/2016	-73.17569	41.39039	0-1	2	0.0002
190	NajMin		Point	8/23/2016	-73.17566	41.39039	0-1	2	0.0002
191	MyrSpi		Point	8/23/2016	-73.17567	41.39041	0-1	1	0.0002
192	NajMin		Point	8/23/2016	-73.17611	41.38987	0-1	1	0.0002
193	NajMin		Point	8/23/2016	-73.17615	41.38983	0-1	1	0.0002
194	MyrSpi		Point	8/23/2016	-73.17892	41.39008	0-1	1	0.0002
195	MyrSpi		Point	8/8/2016	-73.27218	41.45083	0-1	3	0.0002
196	NajMin		Point	8/8/2016	-73.27262	41.45156	0-1	1	0.0002
197	NajMin		Point	8/8/2016	-73.27273	41.45161	0-1	3	0.0002
198	PotCri		Point	8/8/2016	-73.27280	41.45168	0-1	3	0.0002
199	PotCri		Point	8/8/2016	-73.27305	41.45184	0-1	1	0.0002
200	MyrSpi		Point	8/8/2016	-73.28502	41.45202	1-3	1	0.0002
201	MyrSpi		Point	8/8/2016	-73.28508	41.45204	1-3	4	0.0002
202	MyrSpi		Point	8/8/2016	-73.28582	41.45179	1-3	4	0.0002
203	PotCri		Point	8/8/2016	-73.28613	41.45171	1-3	3	0.0002
204	MyrSpi		Point	8/8/2016	-73.28671	41.45134	1-3	1	0.0002
205	MyrSpi		Point	8/8/2016	-73.28690	41.45127	0-1	3	0.0002
206	MyrSpi		Point	8/8/2016	-73.28687	41.45132	0-1	3	0.0002
207	PotCri		Point	8/8/2016	-73.28950	41.44987	0-1	1	0.0002
208	NajMin		Point	8/8/2016	-73.28987	41.44977	0-1	1	0.0002
209	MyrSpi		Point	8/8/2016	-73.29056	41.44842	1-3	1	0.0002
210	MyrSpi		Point	8/8/2016	-73.28868	41.44947	1-3	1	0.0002
211	MyrSpi		Point	8/8/2016	-73.28879	41.44943	1-3	1	0.0002
212	MyrSpi		Point	8/8/2016	-73.28866	41.44945	1-3	1	0.0002
213	MyrSpi		Point	8/8/2016	-73.28825	41.44964	1-3	1	0.0002
214	MyrSpi		Point	8/8/2016	-73.28825	41.44969	1-3	1	0.0002
215	MyrSpi		Point	8/8/2016	-73.28806	41.44973	1-3	1	0.0002
216	MyrSpi		Point	8/8/2016	-73.28699	41.45014	1-3	1	0.0002
217	MyrSpi		Point	8/8/2016	-73.28705	41.45014	0-1	1	0.0002
218	MarQua		Point	8/9/2016	-73.27119	41.44628	0-1	4	0.0002
219	MarQua	with myrspi	Point	8/9/2016	-73.27119	41.44629	0-1	4	0.0002
220	MarQua		Point	8/9/2016	-73.27127	41.44633	0-1	2	0.0002
221	MarQua	whole shoreline of cove abd 4	Point	8/9/2016	-73.27133	41.44647	0-1	4	0.0002
222	MarQua		Point	8/9/2016	-73.27147	41.44658	0-1	2	0.0002
223	MyrSpi	valame 5	Point	8/9/2016	-73.27026	41.44527	0-1	2	0.0002
224	PotCri		Point	8/9/2016	-73.26828	41.43902	0-1	3	0.0002
225	MyrSpi		Point	8/9/2016	-73.26866	41.43884	0-1	3	0.0002
226	PotCri		Point	8/9/2016	-73.26878	41.43882	0-1	3	0.0002
227	PotCri		Point	8/9/2016	-73.26889	41.43882	0-1	5	0.0002
228	MarQua	g shore by typha in shallow area patch 3m wide najm in	Point	8/9/2016	-73.26894	41.43882	0-1	5	0.0002
229	MyrSpi		Point	8/9/2016	-73.26647	41.43805	0-1	4	0.0002
230	MyrSpi		Point	8/9/2016	-73.26649	41.43808	0-1	4	0.0002
231	MyrSpi		Point	8/9/2016	-73.26629	41.43785	0-1	4	0.0002
232	NajMin	along shore in front of house	Point	8/9/2016	-73.25923	41.43302	0-1	2	0.0002
233	NajMin		Point	8/10/2016	-73.28529	41.45090	0-1	1	0.0002
234	NajMin		Point	8/10/2016	-73.28517	41.45093	0-1	3	0.0002
235	NajMin		Point	8/10/2016	-73.28500	41.45101	0-1	4	0.0002

Appendix Lake Zoar Invasive Plant Location Data (6 of 7)

FID	Invasive Plant Name	Notes	Type	Date	Longitude	Latitude	Depth (m)	Abundance	Area (acres)
236	NajMin		Point	8/10/2016	-73.28492	41.45103	0-1	2	0.0002
237	PotCri		Point	8/10/2016	-73.28485	41.45106	0-1	2	0.0002
238	PotCri		Point	8/10/2016	-73.27889	41.45218	0-1	1	0.0002
239	PotCri		Point	8/10/2016	-73.27887	41.45222	0-1	1	0.0002
240	NajMin		Point	8/10/2016	-73.27798	41.45220	0-1	1	0.0002
241	MyrSpi		Point	8/10/2016	-73.27370	41.45116	0-1	1	0.0002
242	PotCri		Point	8/11/2016	-73.20240	41.41388	0-1	2	0.0002
243	PotCri		Point	8/11/2016	-73.20205	41.41354	0-1	2	0.0002
244	PotCri		Point	8/11/2016	-73.20205	41.41388	0-1	1	0.0002
245	PotCri		Point	8/11/2016	-73.20173	41.41291	0-1	1	0.0002
246	PotCri		Point	8/11/2016	-73.20149	41.41279	0-1	1	0.0002
247	PotCri		Point	8/11/2016	-73.20153	41.41279	0-1	3	0.0002
248	MyrSpi		Point	8/11/2016	-73.20051	41.41150	0-1	2	0.0002
249	MyrSpi		Point	8/11/2016	-73.20034	41.41136	0-1	1	0.0002
250	MyrSpi		Point	8/11/2016	-73.20014	41.41127	0-1	2	0.0002
251	MyrSpi		Point	8/11/2016	-73.19892	41.41049	0-1	1	0.0002
252	MyrSpi		Point	8/11/2016	-73.19079	41.40919	0-1	1	0.0002
253	NajMin		Point	8/11/2016	-73.18726	41.40614	0-1	3	0.0002
254	NajMin		Point	8/11/2016	-73.18717	41.40600	0-1	2	0.0002
255	NajMin		Point	8/11/2016	-73.18699	41.40454	0-1	3	0.0002
256	NajMin		Point	8/11/2016	-73.18699	41.40469	0-1	4	0.0002
257	NajMin		Point	8/11/2016	-73.18697	41.40475	0-1	4	0.0002
258	PotCri		Point	8/11/2016	-73.18911	41.40024	0-1	4	0.0002
259	PotCri		Point	8/11/2016	-73.18908	41.40028	0-1	3	0.0002
260	MyrSpi		Point	8/11/2016	-73.18656	41.38959	0-1	5	0.0002
261	NajMin		Point	8/11/2016	-73.18638	41.38937	0-1	3	0.0002
262	PotCri		Point	8/11/2016	-73.18611	41.38942	0-1	1	0.0002
263	PotCri		Point	8/17/2016	-73.20643	41.42499	0-1	2	0.0002
264	PotCri		Point	8/17/2016	-73.20636	41.42498	0-1	2	0.0002
265	PotCri		Point	8/17/2016	-73.20638	41.42445	0-1	2	0.0002
266	PotCri		Point	8/17/2016	-73.20644	41.42479	0-1	2	0.0002
267	PotCri		Point	8/17/2016	-73.20641	41.42464	0-1	2	0.0002
268	PotCri		Point	8/17/2016	-73.20633	41.42465	0-1	2	0.0002
269	PotCri		Point	8/17/2016	-73.20644	41.42462	0-1	2	0.0002
270	PotCri		Point	8/17/2016	-73.20639	41.42446	0-1	2	0.0002
271	MyrSpi		Point	8/17/2016	-73.22745	41.43175	0-1	2	0.0002
272	MyrSpi		Point	8/17/2016	-73.22741	41.43173	0-1	2	0.0002
273	MyrSpi		Point	8/17/2016	-73.22742	41.43177	0-1	2	0.0002
274	PotCri		Point	8/9/2016	-73.27236	41.44955	0-1	2	0.0002
275	PotCri		Point	8/9/2016	-73.27184	41.44891	0-1	2	0.0002
276	PotCri		Point	8/9/2016	-73.27142	41.44835	0-1	2	0.0002
277	PotCri		Point	8/9/2016	-73.27046	41.44681	0-1	2	0.0002
278	PotCri		Point	8/9/2016	-73.27045	41.44673	0-1	2	0.0002
279	PotCri		Point	8/9/2016	-73.27014	41.44613	0-1	2	0.0002
280	MyrSpi		Point	8/9/2016	-73.26967	41.43870	0-1	2	0.0002
281	MyrSpi		Point	8/9/2016	-73.26949	41.43876	0-1	2	0.0002
282	MyrSpi		Point	8/9/2016	-73.26951	41.43864	0-1	2	0.0002

Appendix Lake Zoar Invasive Plant Location Data (7 of 7)

FID	Invasive Plant Name	Notes	Type	Date	Longitude	Latitude	Depth (m)	Abundance	Area (acres)
283	MyrSpi		Point	8/9/2016	-73.26934	41.43843	0-1	2	0.0002
284	MyrSpi		Point	8/9/2016	-73.26884	41.43875	0-1	3	0.0002
285	MyrSpi		Point	8/9/2016	-73.26873	41.43859	0-1	3	0.0002
286	MyrSpi		Point	8/9/2016	-73.26789	41.43788	0-1	3	0.0002
287	PotCri		Point	8/9/2016	-73.26636	41.43734	0-1	4	0.0002
288	PotCri		Point	8/9/2016	-73.26641	41.43734	0-1	2	0.0002
289	PotCri		Point	8/9/2016	-73.26640	41.43737	0-1	2	0.0002
290	PotCri		Point	8/9/2016	-73.26648	41.43736	0-1	2	0.0002
291	PotCri		Point	8/11/2016	-73.20163	41.41277	0-1	3	0.0002
292	PotCri		Point	8/11/2016	-73.20174	41.41279	0-1	3	0.0002
293	MyrSpi		Point	8/24/2016	-73.23946	41.42835	0-1	1	0.0002
294	MyrSpi		Point	8/24/2016	-73.23941	41.42830	0-1	1	0.0002
295	MyrSpi		Point	8/24/2016	-73.23955	41.42838	0-1	1	0.0002

Transect Data

Appendix Candlewood Lake Transect Data (1 of 2)

Transect	Point	Distance from Shore (m)	Surveyor	Latitude	Longitude	Date	Depth (m)	Substrate	CerDem	ElaSp	EleSp	MyrSpi	NajMin	NymOdo	StuPec	ValAme
1	1	0.5	Greg Bugbee	41.42390	-73.45258	9/3/2016	0.2	Sand	0	0	0	3	0	0	0	0
1	2	10	Greg Bugbee	41.42393	-73.45258	9/3/2016	0.3	Sand	2	0	0	3	0	0	0	0
1	3	10	Greg Bugbee	41.42394	-73.45259	9/3/2016	0.6	Sand	3	0	0	3	2	0	0	0
1	4	20	Greg Bugbee	41.42404	-73.45268	9/3/2016	1.0	Sand	3	0	0	3	0	0	0	0
1	5	30	Greg Bugbee	41.42413	-73.45275	9/3/2016	1.0	Sand	3	0	0	4	0	0	0	0
1	6	40	Greg Bugbee	41.42421	-73.45281	9/3/2016	1.6	Sand	3	0	0	4	0	0	0	0
1	7	50	Greg Bugbee	41.42431	-73.45276	9/3/2016	1.6	Sand	2	0	0	5	0	0	0	0
1	8	60	Greg Bugbee	41.42437	-73.45288	9/3/2016	1.8	Sand	2	0	0	5	0	0	0	0
1	9	70	Greg Bugbee	41.42447	-73.45287	9/3/2016	1.8	Sand	2	0	0	5	0	0	0	0
1	10	80	Greg Bugbee	41.42455	-73.45294	9/3/2016	1.8	Sand	2	0	0	4	0	0	0	0
2	1	0.5	Greg Bugbee	41.42765	-73.44935	9/3/2016	0.2	Muck	2	0	0	2	0	0	0	0
2	2	5	Greg Bugbee	41.42764	-73.44942	9/3/2016	1.5	Sand	3	0	0	4	0	0	0	0
2	3	10	Greg Bugbee	41.42756	-73.44940	9/3/2016	2.0	Silt	3	0	0	4	0	0	0	0
2	4	20	Greg Bugbee	41.42754	-73.44951	9/3/2016	2.2	Silt	3	0	0	4	0	0	0	0
2	5	30	Greg Bugbee	41.42742	-73.44961	9/3/2016	2.4	Silt	3	0	0	4	0	0	0	0
2	6	40	Greg Bugbee	41.42740	-73.44971	9/3/2016	1.0	Gravel	0	0	0	2	0	0	0	0
2	7	50	Greg Bugbee	41.42738	-73.44984	9/3/2016	1.0	Gravel	2	0	0	3	0	0	0	0
2	8	60	Greg Bugbee	41.42735	-73.44995	9/3/2016	2.6	Gravel	2	0	0	3	0	0	0	0
2	9	70	Greg Bugbee	41.42731	-73.45005	9/3/2016	2.8	Silt	2	0	0	3	0	0	0	0
2	10	80	Greg Bugbee	41.42721	-73.45017	9/3/2016	2.8	Silt	2	0	0	3	0	0	0	0
3	1	0.5	Greg Bugbee	41.47027	-73.43528	9/3/2016	0.2	Gravel	0	0	3	2	0	0	2	0
3	2	5	Greg Bugbee	41.47024	-73.43522	9/3/2016	1.0	Sand	0	0	1	2	2	0	2	0
3	3	10	Greg Bugbee	41.47030	-73.43517	9/3/2016	1.4	Sand	0	0	0	4	0	0	2	0
3	4	20	Greg Bugbee	41.47028	-73.43504	9/3/2016	5.0	Silt	0	0	0	0	0	0	2	0
3	5	30	Greg Bugbee	41.47031	-73.43497	9/3/2016	5.0	Silt	0	0	0	0	0	0	2	0
3	6	40	Greg Bugbee	41.47031	-73.43479	9/3/2016	8.7	Silt	0	0	0	0	0	0	2	0
3	7	50	Greg Bugbee	41.47036	-73.43470	9/3/2016	8.8	Silt	0	0	0	0	0	0	2	0
3	8	60	Greg Bugbee	41.47042	-73.43458	9/3/2016	8.8	Silt	0	0	0	0	0	0	2	0
3	9	70	Greg Bugbee	41.47054	-73.43448	9/3/2016	8.8	Silt	0	0	0	0	0	0	2	0
3	10	80	Greg Bugbee	41.47051	-73.43440	9/3/2016	8.0	Silt	0	0	0	0	0	0	2	0
4	1	0.5	Greg Bugbee	41.57121	-73.48836	9/2/2016	0.2	Muck	2	0	0	3	0	0	0	0
4	2	5	Greg Bugbee	41.57120	-73.48837	9/2/2016	0.8	Muck	0	0	0	3	0	0	0	0
4	3	10	Greg Bugbee	41.57115	-73.48838	9/2/2016	0.8	Muck	0	0	0	3	0	0	0	0
4	4	20	Greg Bugbee	41.57112	-73.48834	9/2/2016	0.8	Muck	0	0	0	3	0	0	0	0
4	5	30	Greg Bugbee	41.57102	-73.48843	9/2/2016	0.8	Muck	0	0	0	2	0	2	0	0
4	6	40	Greg Bugbee	41.57087	-73.48852	9/2/2016	1.5	Muck	3	0	0	3	0	0	0	0
4	7	50	Greg Bugbee	41.57081	-73.48860	9/2/2016	1.8	Muck	0	0	0	3	0	0	0	0
4	8	60	Greg Bugbee	41.57073	-73.48860	9/2/2016	2.0	Muck	2	0	0	3	0	0	0	0
4	9	70	Greg Bugbee	41.57067	-73.48862	9/2/2016	2.5	Muck	2	0	0	3	0	0	0	0
4	10	80	Greg Bugbee	41.57055	-73.48871	9/2/2016	3.0	Silt	3	0	0	2	0	0	0	0
5	1	0.5	Greg Bugbee	41.50214	-73.45155	9/2/2016	0.2	Sand	0	0	0	0	0	0	0	0
5	2	5	Greg Bugbee	41.50215	-73.45166	9/2/2016	0.6	Sand	0	0	0	0	0	0	0	0
5	3	10	Greg Bugbee	41.50212	-73.45169	9/2/2016	1.0	Sand	0	0	0	4	0	0	0	0
5	4	20	Greg Bugbee	41.50209	-73.45184	9/2/2016	1.2	Silt	0	0	0	4	0	0	0	0
5	5	30	Greg Bugbee	41.50208	-73.45192	9/2/2016	1.4	Silt	0	0	0	4	0	0	0	0
5	6	40	Greg Bugbee	41.50198	-73.45203	9/2/2016	2.2	Silt	0	0	0	4	0	0	0	0
5	7	50	Greg Bugbee	41.50197	-73.45212	9/2/2016	3.5	Silt	2	0	0	3	0	0	0	0
5	8	60	Greg Bugbee	41.50198	-73.45226	9/2/2016	4.7	Silt	0	0	0	0	0	0	0	0
5	9	70	Greg Bugbee	41.50201	-73.45240	9/2/2016	5.2	Silt	0	0	0	0	0	0	0	0
5	10	80	Greg Bugbee	41.50199	-73.45253	9/2/2016	5.5	Silt	0	0	0	0	0	0	0	0
6	1	0.5	Greg Bugbee	41.51381	-73.45337	9/2/2016	0.2	Muck	0	0	0	2	0	0	0	0

Appendix Candlewood Lake Transect Data (2 of 2)

Transect	Point	Distance from Shore (m)	Surveyor	Latitude	Longitude	Date	Depth (m)	Substrate	CerDem	ElaSp	EleSp	MyrSpi	NajMin	NymOdo	StuPec	ValAme
6	2	5	Greg Bugbee	41.51387	-73.45339	9/2/2016	0.3	Muck	0	0	0	2	0	0	0	0
6	3	10	Greg Bugbee	41.51392	-73.45341	9/2/2016	0.5	Muck	0	0	0	3	0	0	0	0
6	4	20	Greg Bugbee	41.51404	-73.45338	9/2/2016	1.0	Muck	0	0	0	5	0	0	0	0
6	5	30	Greg Bugbee	41.51413	-73.45341	9/2/2016	1.3	Silt	0	0	0	5	0	0	0	0
6	6	40	Greg Bugbee	41.51419	-73.45337	9/2/2016	1.6	Silt	0	0	0	5	0	0	0	0
6	7	50	Greg Bugbee	41.51429	-73.45335	9/2/2016	1.8	Silt	0	0	0	5	0	0	0	0
6	8	60	Greg Bugbee	41.51438	-73.45334	9/2/2016	2.7	Silt	0	0	0	4	0	0	0	0
6	9	70	Greg Bugbee	41.51447	-73.45336	9/2/2016	5.0	Silt	0	0	0	0	0	0	0	0
6	10	80	Greg Bugbee	41.51457	-73.45333	9/2/2016	5.0	Silt	0	0	0	0	0	0	0	0
7	1	0.5	Greg Bugbee	41.57148	-73.44279	9/2/2016	0.2	Gravel	0	0	0	2	0	0	0	0
7	2	0.5	Greg Bugbee	41.57146	-73.44281	9/2/2016	0.6	Gravel	0	0	0	4	2	0	0	0
7	3	10	Greg Bugbee	41.57146	-73.44292	9/2/2016	1.6	Sand	0	0	0	5	0	0	0	0
7	4	20	Greg Bugbee	41.57144	-73.44301	9/2/2016	1.8	Silt	0	0	0	5	0	0	0	0
7	5	30	Greg Bugbee	41.57141	-73.44312	9/2/2016	2.4	Silt	0	0	0	4	0	0	0	0
7	6	40	Greg Bugbee	41.57139	-73.44326	9/2/2016	3.3	Silt	3	0	0	4	0	0	0	0
7	7	50	Greg Bugbee	41.57138	-73.44337	9/2/2016	4.5	Silt	0	0	0	0	0	0	0	0
7	8	60	Greg Bugbee	41.57136	-73.44350	9/2/2016	5.2	Silt	0	0	0	0	0	0	0	0
7	9	70	Greg Bugbee	41.57132	-73.44360	9/2/2016	6.1	Silt	0	0	0	0	0	0	0	0
7	10	80	Greg Bugbee	41.57130	-73.44373	9/2/2016	7.3	Silt	0	0	0	0	0	0	0	0
8	1	0.5	Greg Bugbee	41.51295	-73.44118	9/2/2016	0.3	Gravel	0	0	2	0	2	0	0	0
8	2	5	Greg Bugbee	41.51290	-73.44119	9/2/2016	0.3	Gravel	0	0	0	0	2	0	0	0
8	3	10	Greg Bugbee	41.51286	-73.44116	9/2/2016	1.2	Sand	0	0	0	3	0	0	0	0
8	4	20	Greg Bugbee	41.51277	-73.44113	9/2/2016	1.4	Sand	0	0	0	4	0	0	0	0
8	5	30	Greg Bugbee	41.51267	-73.44115	9/2/2016	1.4	Sand	0	0	0	4	0	0	0	0
8	6	40	Greg Bugbee	41.51258	-73.44117	9/2/2016	1.4	Gravel	0	0	0	4	0	0	0	0
8	7	40	Greg Bugbee	41.51248	-73.44119	9/2/2016	1.4	Gravel	0	0	0	4	0	0	0	0
8	8	60	Greg Bugbee	41.51240	-73.44122	9/2/2016	2.0	Sand	0	0	0	4	0	0	0	0
8	9	70	Greg Bugbee	41.51231	-73.44120	9/2/2016	3.6	Silt	0	0	0	4	0	0	0	0
8	10	80	Greg Bugbee	41.51221	-73.44126	9/2/2016	3.4	Silt	0	0	0	3	0	0	0	0
9	1	0.5	Greg Bugbee	41.48044	-73.43468	9/3/2016	0.2	Sand	0	1	0	2	2	0	0	0
9	2	5	Greg Bugbee	41.48044	-73.43474	9/3/2016	0.6	Sand	0	0	0	3	2	0	0	0
9	3	10	Greg Bugbee	41.48047	-73.43476	9/3/2016	0.8	Sand	0	0	0	3	0	0	0	0
9	4	20	Greg Bugbee	41.48043	-73.43491	9/3/2016	0.8	Sand	0	0	0	5	0	0	0	0
9	5	30	Greg Bugbee	41.48040	-73.43504	9/3/2016	1.5	Silt	0	0	0	4	0	0	0	0
9	6	40	Greg Bugbee	41.48036	-73.43517	9/3/2016	2.0	Silt	3	0	0	4	0	0	0	0
9	7	50	Greg Bugbee	41.48036	-73.43523	9/3/2016	2.0	Silt	2	0	0	3	0	0	0	0
9	8	60	Greg Bugbee	41.48036	-73.43539	9/3/2016	1.7	Silt	0	0	0	3	0	0	0	0
9	9	70	Greg Bugbee	41.48016	-73.43544	9/3/2016	1.7	Sand	0	0	0	5	0	0	0	0
9	10	80	Greg Bugbee	41.48016	-73.43556	9/3/2016	0.7	Sand	0	0	0	3	3	0	0	0
10	1	0.5	Greg Bugbee	41.44728	-73.42946	9/3/2016	0.1	Sand	2	0	0	2	0	0	2	0
10	2	10	Greg Bugbee	41.44726	-73.42955	9/3/2016	0.3	Sand	2	0	0	2	2	0	0	0
10	3	10	Greg Bugbee	41.44727	-73.42959	9/3/2016	0.4	Silt	2	0	0	2	2	0	0	0
10	4	20	Greg Bugbee	41.44722	-73.42970	9/3/2016	0.7	Silt	2	0	0	2	0	0	0	2
10	5	30	Greg Bugbee	41.44720	-73.42977	9/3/2016	0.8	Sand	2	0	0	2	0	0	0	3
10	6	40	Greg Bugbee	41.44713	-73.42990	9/3/2016	0.3	Sand	3	0	0	2	0	0	0	2
10	7	50	Greg Bugbee	41.44708	-73.42996	9/3/2016	0.1	Sand	3	0	0	2	0	0	0	0

Appendix Squantz Pond Transect Data (1 of 1)

Transect	Point	Distance from Shore (m)	Surveyor	Latitude	Longitude	Date	Depth (m)	Substrate	CerDem	ElaSpp	EleSpp	EloNut	MyrSpi	NajFle	NajMin	PotBic	PotFol
1	1	0.5	Jennifer Fanzutti	41.51025	-73.47156	8/2/2016	0.1	Sand	0	2	2	0	0	0	3	3	0
1	2	5	Jennifer Fanzutti	41.51030	-73.47157	8/2/2016	0.5	Sand	0	2	0	0	1	0	3	3	0
1	3	10	Jennifer Fanzutti	41.51035	-73.47161	8/2/2016	0.5	Sand	0	0	0	0	1	0	4	2	0
1	4	20	Jennifer Fanzutti	41.51042	-73.47170	8/2/2016	1.0	Sand	0	2	0	1	1	0	4	2	0
1	5	30	Jennifer Fanzutti	41.51047	-73.47179	8/2/2016	1.2	Sand	0	0	0	0	2	0	4	0	0
1	6	40	Jennifer Fanzutti	41.51055	-73.47182	8/2/2016	1.4	Silt	0	0	0	2	5	0	0	0	0
1	7	50	Jennifer Fanzutti	41.51064	-73.47186	8/2/2016	2.1	Silt	2	0	0	0	5	0	0	0	0
1	8	60	Jennifer Fanzutti	41.51073	-73.47197	8/2/2016	3.0	Silt	1	0	0	0	5	0	0	0	0
1	9	70	Jennifer Fanzutti	41.51076	-73.47205	8/2/2016	3.8	Silt	0	0	0	0	4	0	0	0	0
1	10	80	Jennifer Fanzutti	41.51086	-73.47211	8/2/2016	4.4	Silt	0	0	0	0	3	0	0	0	0
2	1	0.5	Jennifer Fanzutti	41.52357	-73.48136	8/4/2016	0.3	Sand	0	0	0	0	0	0	0	0	0
2	2	5	Jennifer Fanzutti	41.52356	-73.48143	8/4/2016	0.4	Sand	0	0	0	0	2	0	3	0	0
2	3	10	Jennifer Fanzutti	41.52354	-73.48150	8/4/2016	0.9	Silt	0	0	0	0	3	0	0	0	0
2	4	20	Jennifer Fanzutti	41.52354	-73.48160	8/4/2016	1.6	Silt	0	0	0	0	4	0	0	0	0
2	5	30	Jennifer Fanzutti	41.52347	-73.48169	8/4/2016	1.4	Silt	0	0	0	0	4	0	0	0	0
2	6	40	Jennifer Fanzutti	41.52344	-73.48181	8/4/2016	3.2	Silt	0	0	0	0	2	0	0	0	0
2	7	50	Jennifer Fanzutti	41.52342	-73.48192	8/4/2016	4.2	Silt	0	0	0	0	0	0	0	0	0
2	8	60	Jennifer Fanzutti	41.52338	-73.48205	8/4/2016	4.9	Silt	0	0	0	0	0	0	0	0	0
2	9	70	Jennifer Fanzutti	41.52334	-73.48217	8/4/2016	5.3	Silt	0	0	0	0	0	0	0	0	0
2	10	80	Jennifer Fanzutti	41.52333	-73.48230	8/4/2016	5.9	Silt	0	0	0	0	0	0	0	0	0
3	1	0.5	Jennifer Fanzutti	41.53397	-73.48315	8/4/2016	0.1	Sand	0	0	0	0	3	0	4	0	0
3	2	5	Jennifer Fanzutti	41.53396	-73.48322	8/4/2016	1.0	Sand	0	0	0	0	3	0	3	0	0
3	3	10	Jennifer Fanzutti	41.53395	-73.48329	8/4/2016	1.8	Silt	0	0	0	0	3	0	0	0	0
3	4	20	Jennifer Fanzutti	41.53396	-73.48341	8/4/2016	2.1	Silt	0	0	0	0	3	0	0	0	0
3	6	40	Jennifer Fanzutti	41.53398	-73.48364	8/4/2016	2.4	Silt	0	0	0	0	3	0	0	0	0
3	7	50	Jennifer Fanzutti	41.53398	-73.48377	8/4/2016	2.5	Silt	0	0	0	0	3	0	0	0	0
3	8	60	Jennifer Fanzutti	41.53400	-73.48388	8/4/2016	2.3	Silt	0	0	0	0	3	0	0	0	0
3	9	70	Jennifer Fanzutti	41.53400	-73.48400	8/4/2016	2.2	Silt	0	0	0	0	3	0	0	0	0
3	10	80	Jennifer Fanzutti	41.53398	-73.48413	8/4/2016	2.2	Silt	0	0	0	0	3	0	0	0	0
4	1	0.5	Jennifer Fanzutti	41.53081	-73.48275	8/4/2016	0.2	Sand	0	2	0	0	3	0	3	2	0
4	2	5	Jennifer Fanzutti	41.53080	-73.48282	8/4/2016	0.4	Sand	0	0	0	0	2	3	4	2	0
4	3	10	Jennifer Fanzutti	41.53080	-73.48287	8/4/2016	0.7	Sand	0	0	0	0	2	3	4	0	2
4	4	20	Jennifer Fanzutti	41.53078	-73.48298	8/4/2016	1.0	Silt	0	0	0	0	5	0	0	0	0
4	5	30	Jennifer Fanzutti	41.53076	-73.48309	8/4/2016	1.2	Silt	0	0	0	0	5	0	0	0	0
4	5	30	Jennifer Fanzutti	41.53397	-73.48350	8/4/2016	2.2	Silt	0	0	0	0	3	0	0	0	0
4	6	40	Jennifer Fanzutti	41.53073	-73.48324	8/4/2016	1.8	Silt	0	0	0	0	5	0	0	0	0
4	7	50	Jennifer Fanzutti	41.53073	-73.48334	8/4/2016	2.1	Silt	0	0	0	0	5	0	0	0	0
4	8	60	Jennifer Fanzutti	41.53072	-73.48348	8/4/2016	2.2	Silt	0	0	0	0	4	0	0	0	0
4	9	70	Jennifer Fanzutti	41.53073	-73.48359	8/4/2016	2.2	Silt	0	0	0	0	4	0	0	0	0
4	10	80	Jennifer Fanzutti	41.53074	-73.48375	8/4/2016	4.2	Silt	0	0	0	0	0	0	0	0	0
5	1	0.5	Jennifer Fanzutti	41.52808	-73.48594	8/4/2016	1.0	Silt	0	0	0	0	5	0	0	0	0
5	2	5	Jennifer Fanzutti	41.52806	-73.48588	8/4/2016	2.1	Silt	0	0	0	0	5	0	0	0	0
5	3	10	Jennifer Fanzutti	41.52809	-73.48583	8/4/2016	2.2	Silt	0	0	0	0	5	0	0	0	0
5	4	20	Jennifer Fanzutti	41.52811	-73.48569	8/4/2016	2.2	Silt	0	0	0	0	3	0	0	0	0
5	5	30	Jennifer Fanzutti	41.52812	-73.48555	8/4/2016	1.7	Silt	0	0	0	0	4	0	0	0	0
5	6	40	Jennifer Fanzutti	41.52807	-73.48547	8/4/2016	2.2	Silt	0	0	0	0	4	0	0	0	0
5	7	50	Jennifer Fanzutti	41.52804	-73.48534	8/4/2016	4.2	Silt	0	0	0	0	0	0	0	0	0
5	8	60	Jennifer Fanzutti	41.52809	-73.48520	8/4/2016	4.9	Silt	0	0	0	0	0	0	0	0	0
5	9	70	Jennifer Fanzutti	41.52811	-73.48510	8/4/2016	5.2	Silt	0	0	0	0	0	0	0	0	0
5	10	80	Jennifer Fanzutti	41.52818	-73.48496	8/4/2016	5.2	Silt	0	0	0	0	0	0	0	0	0

Appendix Lake Zoar Transect Data (1 of 2)

Transect	Point	Distance from Shore (m)	Surveyor	Latitude	Longitude	Date	Depth (m)	Substrate	CerDem	ElaSp.	EloNut	MyrSpi	NajMin	PotCri	PotEpi	PotFol	PotPer	PotPus	SagSp.	StuPec	ValAme	ZosDub
1	1	0.5	Jennifer Fanzutti	41.42835	-73.23946	8/24/2016	0.3	Sand	0	0	0	1	0	0	0	0	0	0	0	0	0	0
1	2	5	Jennifer Fanzutti	41.42830	-73.23950	8/24/2016	0.8	Sand	0	0	0	0	0	0	0	0	0	0	0	0	4	2
1	3	10	Jennifer Fanzutti	41.42825	-73.23953	8/24/2016	1.0	Sand	0	0	1	0	0	0	0	0	0	0	0	0	5	2
1	4	20	Jennifer Fanzutti	41.42823	-73.23965	8/24/2016	1.0	Sand	2	0	0	0	0	0	0	0	0	0	0	0	5	0
1	5	30	Jennifer Fanzutti	41.42814	-73.23976	8/24/2016	2.4	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	6	40	Jennifer Fanzutti	41.42813	-73.23983	8/24/2016	3.2	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	7	50	Jennifer Fanzutti	41.42808	-73.23994	8/24/2016	3.8	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	8	60	Jennifer Fanzutti	41.42801	-73.24001	8/24/2016	4.1	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	9	70	Jennifer Fanzutti	41.42795	-73.24013	8/24/2016	4.4	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	10	80	Jennifer Fanzutti	41.42782	-73.24017	8/24/2016	4.6	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	0.5	Jennifer Fanzutti	41.43694	-73.25125	8/24/2016	0.2	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	5	Jennifer Fanzutti	41.43699	-73.25126	8/24/2016	1.3	Silt	1	0	0	0	0	0	0	0	1	0	0	0	4	0
2	3	10	Jennifer Fanzutti	41.43702	-73.25127	8/24/2016	1.9	Silt	0	0	0	0	0	0	0	0	0	0	0	0	4	0
2	4	20	Jennifer Fanzutti	41.43714	-73.25129	8/24/2016	4.7	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	5	30	Jennifer Fanzutti	41.43719	-73.25138	8/24/2016	5.0	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	6	40	Jennifer Fanzutti	41.43731	-73.25145	8/24/2016	5.6	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	7	50	Jennifer Fanzutti	41.43739	-73.25146	8/24/2016	5.9	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	8	60	Jennifer Fanzutti	41.43744	-73.25154	8/24/2016	5.9	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	9	70	Jennifer Fanzutti	41.43754	-73.25157	8/24/2016	6.0	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	10	80	Jennifer Fanzutti	41.43762	-73.25159	8/24/2016	6.1	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	0.5	Jennifer Fanzutti	41.43725	-73.26637	8/24/2016	0.3	Sand	0	2	0	0	0	0	0	0	0	0	0	0	0	0
3	2	5	Jennifer Fanzutti	41.43734	-73.26636	8/24/2016	0.0	Sand	2	0	3	0	3	4	0	4	0	2	0	0	4	0
3	3	10	Jennifer Fanzutti	41.43734	-73.26641	8/24/2016	0.7	Sand	0	0	2	0	3	2	0	2	0	0	0	0	4	0
3	4	20	Jennifer Fanzutti	41.43743	-73.26638	8/24/2016	0.4	Sand	0	0	2	3	3	3	0	0	0	0	0	0	4	3
3	5	30	Jennifer Fanzutti	41.43750	-73.26638	8/24/2016	0.1	Sand	3	0	4	2	3	3	0	0	0	2	0	0	4	2
3	6	40	Jennifer Fanzutti	41.43763	-73.26646	8/24/2016	0.2	Sand	0	0	0	0	0	3	0	0	0	0	0	0	4	3	0
3	7	50	Jennifer Fanzutti	41.43772	-73.26646	8/24/2016	0.2	Sand	0	0	0	1	2	0	0	0	0	0	0	0	3	2
3	8	60	Jennifer Fanzutti	41.43776	-73.26647	8/24/2016	0.3	Sand	0	0	2	2	0	0	0	2	0	0	0	0	0	0
3	9	70	Jennifer Fanzutti	41.43790	-73.26646	8/24/2016	0.6	Sand	2	0	0	2	3	0	0	0	0	0	0	0	5	3
3	10	80	Jennifer Fanzutti	41.43801	-73.26643	8/24/2016	0.6	Sand	2	0	2	2	4	4	0	0	0	0	0	0	5	3
4	1	0.5	Jennifer Fanzutti	41.45312	-73.28166	8/24/2016	0.4	Sand	4	0	2	3	2	4	0	0	0	2	0	0	2	3
4	2	5	Jennifer Fanzutti	41.45313	-73.28159	8/24/2016	0.8	Silt	4	0	2	4	0	2	0	0	0	2	0	0	1	3
4	3	10	Jennifer Fanzutti	41.45310	-73.28156	8/24/2016	1.0	Silt	4	0	2	4	0	0	0	0	0	0	0	0	0	1
4	4	20	Jennifer Fanzutti	41.45298	-73.28149	8/24/2016	1.1	Silt	2	0	0	3	0	0	0	0	0	0	0	0	2	2
4	5	30	Jennifer Fanzutti	41.45287	-73.28150	8/24/2016	3.9	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	6	40	Jennifer Fanzutti	41.45280	-73.28141	8/24/2016	3.9	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	7	50	Jennifer Fanzutti	41.45283	-73.28120	8/24/2016	3.9	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	8	60	Jennifer Fanzutti	41.45272	-73.28113	8/24/2016	3.8	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	9	70	Jennifer Fanzutti	41.45265	-73.28107	8/24/2016	3.6	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	10	80	Jennifer Fanzutti	41.45256	-73.28103	8/24/2016	3.5	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	0.5	Jennifer Fanzutti	41.43195	-73.22744	8/24/2016	0.2	Sand	0	0	0	0	2	0	0	0	0	0	0	0	0	0
5	2	5	Jennifer Fanzutti	41.43188	-73.22740	8/24/2016	0.3	Sand	2	0	0	0	2	0	0	0	0	0	0	0	0	3
5	3	10	Jennifer Fanzutti	41.43183	-73.22740	8/24/2016	0.2	Sand	0	2	0	0	2	0	0	0	0	0	0	0	2	0
5	4	20	Jennifer Fanzutti	41.43175	-73.22745	8/24/2016	0.3	Sand	3	0	2	2	2	2	0	0	0	2	0	0	0	0
5	5	30	Jennifer Fanzutti	41.43167	-73.22746	8/24/2016	0.6	Sand	4	0	3	0	0	0	0	0	0	3	0	0	0	0
5	6	40	Jennifer Fanzutti	41.43156	-73.22746	8/24/2016	0.7	Sand	3	0	0	0	0	0	0	0	0	2	0	0	3	0
5	7	50	Jennifer Fanzutti	41.43149	-73.22748	8/24/2016	0.9	Sand	2	0	2	0	4	2	0	0	0	0	0	0	4	0
5	8	60	Jennifer Fanzutti	41.43140	-73.22750	8/24/2016	0.9	Sand	0	0	0	0	4	3	0	0	0	0	0	0	2	0
5	9	70	Jennifer Fanzutti	41.43132	-73.22747	8/24/2016	1.8	Sand	5	0	0	0	0	0	0	0	0	0	0	0	0	0
5	10	80	Jennifer Fanzutti	41.43121	-73.22749	8/24/2016	2.5	Silt	2	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix Lake Zoar Transect Data (2 of 2)

Transect	Point	Distance from Shore (m)	Surveyor	Latitude	Longitude	Date	Depth (m)	Substrate	CerDem	ElaSp.	EloNut	MyrSpi	NajMin	PotCri	PotEpi	PotFol	PotPer	PotPus	SagSp.	StuPec	ValAme	ZosDub
6	1	0.5	Jennifer Fanzutti	41.42493	-73.20624	8/24/2016	0.3	Organic	3	0	2	0	0	0	0	0	0	0	0	0	0	0
6	2	5	Jennifer Fanzutti	41.42485	-73.20625	8/24/2016	0.5	Organic	4	0	0	0	0	0	0	0	0	0	0	0	0	0
6	3	10	Jennifer Fanzutti	41.42480	-73.20626	8/24/2016	0.2	Organic	3	0	0	0	0	0	0	0	0	0	0	0	0	0
6	4	20	Jennifer Fanzutti	41.42472	-73.20634	8/24/2016	0.4	Organic	4	0	2	2	3	0	0	0	0	0	0	0	0	0
6	5	30	Jennifer Fanzutti	41.42464	-73.20641	8/24/2016	0.5	Organic	4	0	2	2	3	2	2	0	0	0	0	0	0	0
6	6	40	Jennifer Fanzutti	41.42454	-73.20636	8/24/2016	1.0	Silt	4	0	2	3	3	0	0	0	0	0	0	0	0	0
6	7	50	Jennifer Fanzutti	41.42446	-73.20639	8/24/2016	0.4	Silt	4	0	3	3	0	2	0	0	0	0	0	0	0	0
6	8	60	Jennifer Fanzutti	41.42436	-73.20643	8/24/2016	0.5	Silt	5	0	3	2	0	0	0	0	0	0	0	0	0	0
6	9	70	Jennifer Fanzutti	41.42430	-73.20651	8/24/2016	1.1	Silt	5	0	3	2	0	0	0	0	0	0	0	0	0	0
6	10	80	Jennifer Fanzutti	41.42422	-73.20655	8/24/2016	0.6	Silt	5	0	0	3	0	0	0	0	0	0	0	0	0	0
7	1	0.5	Jennifer Fanzutti	41.41271	-73.20176	8/24/2016	0.2	Sand	0	0	0	0	2	0	0	0	0	0	0	0	0	0
7	2	5	Jennifer Fanzutti	41.41275	-73.20171	8/24/2016	0.4	Sand	1	0	0	2	4	0	0	4	0	0	0	0	4	0
7	3	10	Jennifer Fanzutti	41.41276	-73.20168	8/24/2016	0.6	Sand	0	0	0	2	3	2	0	2	0	0	0	0	5	3
7	4	20	Jennifer Fanzutti	41.41282	-73.20157	8/24/2016	0.8	Sand	2	0	0	2	4	0	0	0	0	3	0	0	4	0
7	5	30	Jennifer Fanzutti	41.41278	-73.20141	8/24/2016	1.4	Silt	0	0	0	2	0	0	0	0	0	0	0	0	0	0
7	6	40	Jennifer Fanzutti	41.41285	-73.20134	8/24/2016	1.4	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	7	50	Jennifer Fanzutti	41.41288	-73.20123	8/24/2016	1.5	Silt	0	0	0	3	3	0	0	0	0	0	0	0	0	2
7	8	60	Jennifer Fanzutti	41.41293	-73.20110	8/24/2016	1.2	Silt	3	0	0	3	3	0	0	0	0	0	0	0	0	0
7	9	60	Jennifer Fanzutti	41.41298	-73.20098	8/24/2016	1.4	Silt	3	0	0	0	0	0	0	0	0	0	0	0	0	0
7	10	80	Jennifer Fanzutti	41.41301	-73.20093	8/24/2016	2.8	Silt	2	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	0.5	Jennifer Fanzutti	41.39844	-73.19044	8/24/2016	0.2	Sand	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8	2	5	Jennifer Fanzutti	41.39847	-73.19042	8/24/2016	0.9	Sand	0	0	0	3	3	0	0	0	0	0	0	0	0	0
8	3	10	Jennifer Fanzutti	41.39847	-73.19031	8/24/2016	2.5	Silt	2	0	0	2	0	0	0	0	0	0	0	0	0	0
8	4	20	Jennifer Fanzutti	41.39847	-73.19018	8/24/2016	3.1	Silt	2	0	0	0	0	0	0	0	0	0	0	0	0	0
8	5	30	Jennifer Fanzutti	41.39843	-73.19009	8/24/2016	3.9	Silt	2	0	0	0	0	0	0	0	0	0	0	0	0	0
8	6	40	Jennifer Fanzutti	41.39843	-73.18998	8/24/2016	4.3	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	7	50	Jennifer Fanzutti	41.39844	-73.18982	8/24/2016	4.7	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	8	60	Jennifer Fanzutti	41.39836	-73.18974	8/24/2016	5.1	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	9	70	Jennifer Fanzutti	41.39832	-73.18960	8/24/2016	6.7	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	10	80	Jennifer Fanzutti	41.39833	-73.18949	8/24/2016	8.6	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1	0.5	Jennifer Fanzutti	41.39185	-73.17441	8/23/2016	0.3	Sand	2	0	0	2	5	0	0	0	0	3	2	0	0	0
9	2	5	Jennifer Fanzutti	41.39179	-73.17447	8/23/2016	0.9	Sand	2	0	0	2	3	0	0	0	0	0	0	0	0	0
9	3	10	Jennifer Fanzutti	41.39178	-73.17445	8/23/2016	0.4	Sand	2	0	0	2	4	0	0	0	0	0	0	0	0	0
9	4	20	Jennifer Fanzutti	41.39170	-73.17452	8/23/2016	0.6	Silt	2	0	0	1	5	0	0	0	0	0	0	0	0	0
9	5	30	Jennifer Fanzutti	41.39164	-73.17463	8/23/2016	1.0	Silt	1	0	0	0	1	0	0	0	0	0	0	0	0	0
9	6	40	Jennifer Fanzutti	41.39149	-73.17467	8/23/2016	3.3	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	7	50	Jennifer Fanzutti	41.39147	-73.17467	8/23/2016	3.5	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	8	60	Jennifer Fanzutti	41.39136	-73.17476	8/23/2016	4.6	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	9	70	Jennifer Fanzutti	41.39126	-73.17475	8/23/2016	5.2	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	10	80	Jennifer Fanzutti	41.39118	-73.17480	8/23/2016	6.0	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	0.5	Jennifer Fanzutti	41.38146	-73.17513	8/23/2016	0.1	Sand	0	2	0	0	0	0	0	0	0	0	0	0	2	0
10	2	5	Jennifer Fanzutti	41.38155	-73.17514	8/23/2016	0.2	Sand	0	2	0	0	2	2	0	2	0	0	1	0	2	0
10	3	10	Jennifer Fanzutti	41.38158	-73.17517	8/23/2016	0.3	Sand	0	0	0	2	2	2	0	2	0	0	0	0	3	0
10	4	20	Jennifer Fanzutti	41.38160	-73.17520	8/23/2016	0.3	Sand	0	0	2	3	0	0	0	4	0	0	0	0	3	2
10	5	30	Jennifer Fanzutti	41.38173	-73.17518	8/23/2016	0.7	Sand	2	0	0	3	4	1	0	2	0	0	0	0	3	0
10	6	40	Jennifer Fanzutti	41.38180	-73.17522	8/23/2016	1.1	Silt	3	0	3	2	3	0	0	0	0	0	0	0	0	0
10	7	50	Jennifer Fanzutti	41.38191	-73.17517	8/23/2016	1.4	Silt	4	0	0	0	0	0	0	0	0	0	0	0	0	0
10	8	60	Jennifer Fanzutti	41.38196	-73.17528	8/23/2016	3.4	Silt	4	0	0	0	0	0	0	0	0	0	0	0	0	0
10	9	70	Jennifer Fanzutti	41.38200	-73.17531	8/23/2016	3.5	Silt	2	0	0	0	0	0	0	0	0	0	0	0	0	0
10	10	80	Jennifer Fanzutti	41.38212	-73.17528	8/23/2016	4.2	Silt	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix Lake Lillinonah Transect Data (1 of 2)

Transect	Point	Distance from Shore (m)	Surveyor	Longitude	Latitude	Date	Depth (m)	Substrate	Notes	CerDem	EloNut	MyrSpi	NajMin	PotCri	PotFol	PotPer	PotPus	SagSpp	SpaSpp	ZosDub
1	1	0.5	Jennifer Fanzutti	-73.30125	41.46630	8/31/2016	0.5	Gravel		0	0	0	0	0	0	0	0	0	0	0
1	2	5	Jennifer Fanzutti	-73.30119	41.46632	8/31/2016	4.0	Silt		0	0	0	0	0	0	0	0	0	0	0
1	3	10	Jennifer Fanzutti	-73.30109	41.46626	8/31/2016	5.3	Silt		0	0	0	0	0	0	0	0	0	0	0
1	4	20	Jennifer Fanzutti	-73.30098	41.46631	8/31/2016	8.7	Silt		0	0	0	0	0	0	0	0	0	0	0
1	5	30	Jennifer Fanzutti	-73.30086	41.46636	8/31/2016	10.3	Silt		0	0	0	0	0	0	0	0	0	0	0
1	6	40	Jennifer Fanzutti	-73.30080	41.46642	8/31/2016	11.0	Silt		0	0	0	0	0	0	0	0	0	0	0
1	7	50	Jennifer Fanzutti	-73.30068	41.46647	8/31/2016	11.4	Silt		0	0	0	0	0	0	0	0	0	0	0
1	8	50	Jennifer Fanzutti	-73.30058	41.46657	8/31/2016	11.6	Silt		0	0	0	0	0	0	0	0	0	0	0
1	9	70	Jennifer Fanzutti	-73.30051	41.46662	8/31/2016	11.8	Silt		0	0	0	0	0	0	0	0	0	0	0
1	10	80	Jennifer Fanzutti	-73.30034	41.46664	8/31/2016	12.7	Silt		0	0	0	0	0	0	0	0	0	0	0
2	1	0.5	Jennifer Fanzutti	-73.40566	41.53855	8/31/2016	1.9	Bedrock	Hand pulling water chestnut	0	0	0	0	0	0	0	0	0	0	0
2	2	5	Jennifer Fanzutti	-73.40560	41.53858	8/31/2016	1.8	Silt		0	0	2	2	0	0	0	0	0	0	0
2	3	10	Jennifer Fanzutti	-73.40554	41.53856	8/31/2016	1.7	Silt		2	0	4	2	0	0	0	0	0	0	0
2	4	20	Jennifer Fanzutti	-73.40544	41.53855	8/31/2016	0.6	Silt		2	0	4	3	0	0	0	2	0	0	0
2	5	30	Jennifer Fanzutti	-73.40530	41.53853	8/31/2016	0.6	Silt	lots of algae floating	4	0	4	2	0	0	0	0	0	0	0
2	6	40	Jennifer Fanzutti	-73.40520	41.53852	8/31/2016	0.6	Silt		3	3	3	2	1	0	0	2	0	0	3
2	7	50	Jennifer Fanzutti	-73.40505	41.53849	8/31/2016	0.6	Silt		3	2	3	0	2	0	0	2	0	0	4
2	8	60	Jennifer Fanzutti	-73.40495	41.53850	8/31/2016	0.6	Silt		4	2	3	3	0	0	2	0	0	0	2
2	9	70	Jennifer Fanzutti	-73.40483	41.53848	8/31/2016	0.6	Silt		4	2	3	1	0	0	0	1	0	0	2
2	10	80	Jennifer Fanzutti	-73.40474	41.53844	8/31/2016	0.6	Silt		3	2	3	2	2	0	0	0	0	0	3
3	1	0.5	Jennifer Fanzutti	-73.39897	41.52329	8/31/2016	2.0	Bedrock		0	0	0	0	0	0	0	0	0	0	0
3	2	5	Jennifer Fanzutti	-73.39902	41.52327	8/31/2016	3.0	Bedrock		0	0	0	0	0	0	0	0	0	0	0
3	3	10	Jennifer Fanzutti	-73.39894	41.52319	8/31/2016	3.0	Bedrock		0	0	0	0	0	0	0	0	0	0	0
3	4	20	Jennifer Fanzutti	-73.39911	41.52315	8/31/2016	3.7	Silt		0	0	0	0	0	0	0	0	0	0	0
3	5	30	Jennifer Fanzutti	-73.39923	41.52305	8/31/2016	3.4	Silt		0	0	0	0	0	0	0	0	0	0	0
3	6	40	Jennifer Fanzutti	-73.39935	41.52304	8/31/2016	3.0	Silt		0	0	0	0	0	0	0	0	0	0	0
3	7	50	Jennifer Fanzutti	-73.39940	41.52296	8/31/2016	2.8	Silt		0	0	2	0	0	0	0	0	0	0	0
3	8	60	Jennifer Fanzutti	-73.39950	41.52295	8/31/2016	2.6	Silt		3	0	4	0	0	0	0	0	0	0	0
3	9	70	Jennifer Fanzutti	-73.39965	41.52286	8/31/2016	0.9	Silt		1	0	4	0	0	0	0	0	0	0	0
3	10	80	Jennifer Fanzutti	-73.39978	41.52287	8/31/2016	1.4	Silt		0	0	4	0	0	0	0	0	0	0	0
4	1	0.5	Jennifer Fanzutti	-73.37400	41.49906	8/31/2016	0.2	Sand		0	0	0	0	0	0	0	0	0	0	0
4	2	5	Jennifer Fanzutti	-73.37407	41.49906	8/31/2016	0.2	Sand		0	0	2	1	0	0	0	0	0	0	0
4	3	10	Jennifer Fanzutti	-73.37412	41.49909	8/31/2016	0.4	Sand		2	0	2	0	2	0	0	0	0	0	0
4	4	20	Jennifer Fanzutti	-73.37423	41.49904	8/31/2016	0.9	Silt		0	0	4	0	0	3	0	0	0	0	0
4	5	30	Jennifer Fanzutti	-73.37433	41.49917	8/31/2016	0.6	Silt		2	0	4	0	0	0	0	0	0	0	0
4	6	40	Jennifer Fanzutti	-73.37443	41.49926	8/31/2016	1.4	Silt		4	0	1	0	0	0	0	0	0	0	0
4	7	50	Jennifer Fanzutti	-73.37447	41.49934	8/31/2016	1.4	Silt		5	0	2	0	0	0	0	0	0	0	0
4	8	60	Jennifer Fanzutti	-73.37453	41.49947	8/31/2016	3.9	Silt		0	0	0	0	0	0	0	0	0	0	0
4	9	70	Jennifer Fanzutti	-73.37468	41.49950	8/31/2016	4.6	Sand		0	0	0	0	0	0	0	0	0	0	0
4	10	80	Jennifer Fanzutti	-73.37474	41.49958	8/31/2016	4.7	Silt		0	0	0	0	0	0	0	0	0	0	0
5	1	0.5	Jennifer Fanzutti	-73.32754	41.49700	9/2/2016	0.2	Organic	algae	0	0	3	0	0	0	0	0	0	0	0
5	2	5	Jennifer Fanzutti	-73.32750	41.49696	9/2/2016	0.4	Organic	algae	0	0	4	2	0	2	0	0	3	0	0
5	3	10	Jennifer Fanzutti	-73.32748	41.49693	9/2/2016	0.5	Silt		0	0	3	2	0	0	0	0	2	0	0
5	4	20	Jennifer Fanzutti	-73.32742	41.49685	9/2/2016	0.7	Silt		0	0	3	2	0	2	0	0	0	3	0
5	5	30	Jennifer Fanzutti	-73.32738	41.49676	9/2/2016	1.1	Silt		0	0	3	2	0	0	0	0	0	0	0
5	6	40	Jennifer Fanzutti	-73.32727	41.49674	9/2/2016	2.0	Silt		0	0	3	0	0	0	0	0	0	0	0
5	7	50	Jennifer Fanzutti	-73.32736	41.49659	9/2/2016	3.2	Silt		0	0	0	0	0	0	0	0	0	0	0
5	8	60	Jennifer Fanzutti	-73.32722	41.49651	9/2/2016	4.3	Silt		0	0	0	0	0	0	0	0	0	0	0
5	9	70	Jennifer Fanzutti	-73.32717	41.49644	9/2/2016	4.6	Silt		0	0	0	0	0	0	0	0	0	0	0
5	10	80	Jennifer Fanzutti	-73.32720	41.49634	9/2/2016	4.2	Silt		0	0	0	0	0	0	0	0	0	0	0
6	1	0.5	Jennifer Fanzutti	-73.32389	41.48393	9/2/2016	1.2	Gravel		0	0	0	0	0	0	0	0	0	0	0
6	2	5	Jennifer Fanzutti	-73.32392	41.48388	9/2/2016	3.7	Gravel		0	0	0	0	0	0	0	0	0	0	0
6	3	10	Jennifer Fanzutti	-73.32403	41.48387	9/2/2016	5.4	Silt		0	0	0	0	0	0	0	0	0	0	0

Appendix Lake Lillinonah Transect Data (2 of 2)

Transect	Point	Distance from Shore (m)	Surveyor	Longitude	Latitude	Date	Depth (m)	Substrate	Notes	CerDem	EloNut	MyrSpi	NajMin	PotCri	PotFol	PotPer	PotPus	SagSpp	SpaSpp	ZosDub
6	4	20	Jennifer Fanzutti	-73.32410	41.48381	9/2/2016	7.7	Silt		0	0	0	0	0	0	0	0	0	0	0
6	5	30	Jennifer Fanzutti	-73.32416	41.48375	9/2/2016	9.2	Silt		0	0	0	0	0	0	0	0	0	0	0
6	6	40	Jennifer Fanzutti	-73.32431	41.48370	9/2/2016	10.7	Silt		0	0	0	0	0	0	0	0	0	0	0
6	7	50	Jennifer Fanzutti	-73.32437	41.48363	9/2/2016	12.8	Silt		0	0	0	0	0	0	0	0	0	0	0
6	9	70	Jennifer Fanzutti	-73.32452	41.48349	9/2/2016	13.8	Silt		0	0	0	0	0	0	0	0	0	0	0
6	10	80	Jennifer Fanzutti	-73.32457	41.48340	9/2/2016	16.2	Silt		0	0	0	0	0	0	0	0	0	0	0
7	1	0.5	Jennifer Fanzutti	-73.31411	41.47222	8/31/2016	0.3	Gravel		0	0	0	0	0	0	0	0	0	0	0
7	2	5	Jennifer Fanzutti	-73.31407	41.47217	8/31/2016	1.3	Silt		0	0	2	0	0	0	0	0	0	0	0
7	3	10	Jennifer Fanzutti	-73.31402	41.47214	8/31/2016	2.5	Silt		0	0	3	0	0	0	0	0	0	0	0
7	4	20	Jennifer Fanzutti	-73.31389	41.47214	8/31/2016	6.3	Silt		0	0	0	0	0	0	0	0	0	0	0
7	5	30	Jennifer Fanzutti	-73.31376	41.47211	8/31/2016	7.8	Silt		0	0	0	0	0	0	0	0	0	0	0
7	6	30	Jennifer Fanzutti	-73.31363	41.47207	8/31/2016	8.6	Silt		0	0	0	0	0	0	0	0	0	0	0
7	7	50	Jennifer Fanzutti	-73.31352	41.47203	8/31/2016	8.6	Silt		0	0	0	0	0	0	0	0	0	0	0
7	8	60	Jennifer Fanzutti	-73.31343	41.47201	8/31/2016	8.1	Silt		0	0	0	0	0	0	0	0	0	0	0
7	9	70	Jennifer Fanzutti	-73.31331	41.47200	8/31/2016	7.8	Silt		0	0	0	0	0	0	0	0	0	0	0
7	10	80	Jennifer Fanzutti	-73.31319	41.47195	8/31/2016	7.8	Silt		0	0	0	0	0	0	0	0	0	0	0
8	0	0.5	Jennifer Fanzutti	-73.30343	41.44801	8/31/2016	0.2	Sand	zebra muscles algae	0	0	0	0	0	0	0	0	0	0	0
8	2	5	Jennifer Fanzutti	-73.30337	41.44796	8/31/2016	1.0	Silt		0	0	4	0	0	0	0	0	0	0	0
8	3	10	Jennifer Fanzutti	-73.30338	41.44793	8/31/2016	1.5	Silt		0	0	4	0	0	0	0	0	0	0	0
8	4	20	Jennifer Fanzutti	-73.30337	41.44779	8/31/2016	8.6	Silt		0	0	0	0	0	0	0	0	0	0	0
8	5	30	Jennifer Fanzutti	-73.30343	41.44774	8/31/2016	10.0	Silt		0	0	0	0	0	0	0	0	0	0	0
8	6	40	Jennifer Fanzutti	-73.30338	41.44764	8/31/2016	14.3	Silt		0	0	0	0	0	0	0	0	0	0	0
8	7	50	Jennifer Fanzutti	-73.30320	41.44754	8/31/2016	16.0	Silt		0	0	0	0	0	0	0	0	0	0	0
8	8	60	Jennifer Fanzutti	-73.30314	41.44747	8/31/2016	16.7	Silt		0	0	0	0	0	0	0	0	0	0	0
8	9	70	Jennifer Fanzutti	-73.30307	41.44739	8/31/2016	17.3	Silt		0	0	0	0	0	0	0	0	0	0	0
8	10	80	Jennifer Fanzutti	-73.30304	41.44733	8/31/2016	17.5	Silt		0	0	0	0	0	0	0	0	0	0	0
9	1	0.5	Jennifer Fanzutti	-73.32011	41.51013	9/2/2016	0.2	Organic		0	0	2	0	2	0	0	0	0	0	0
9	2	5	Jennifer Fanzutti	-73.32011	41.51008	9/2/2016	0.4	Silt	algae	0	0	3	0	0	0	0	0	0	0	0
9	3	10	Jennifer Fanzutti	-73.32012	41.51003	9/2/2016	0.6	Silt	algae	2	0	3	0	0	1	0	0	0	0	0
9	4	20	Jennifer Fanzutti	-73.32009	41.50990	9/2/2016	1.5	Silt		0	0	2	0	0	0	0	0	0	0	0
9	5	30	Jennifer Fanzutti	-73.32010	41.50983	9/2/2016	1.1	Silt		0	0	3	3	0	2	0	0	0	0	0
9	6	40	Jennifer Fanzutti	-73.31999	41.50973	9/2/2016	2.7	Silt		0	0	2	0	0	0	0	0	0	0	0
9	7	50	Jennifer Fanzutti	-73.31981	41.50968	9/2/2016	2.9	Silt		0	0	1	0	0	0	0	0	0	0	0
9	8	60	Jennifer Fanzutti	-73.31987	41.50960	9/2/2016	3.1	Silt		0	0	1	0	0	0	0	0	0	0	0
9	8	60	Jennifer Fanzutti	-73.32442	41.48354	9/2/2016	13.7	Sand		0	0	0	0	0	0	0	0	0	0	0
9	9	70	Jennifer Fanzutti	-73.31995	41.50950	9/2/2016	3.1	Silt		0	0	0	0	0	0	0	0	0	0	0
9	10	80	Jennifer Fanzutti	-73.31991	41.50941	9/2/2016	2.9	Silt		0	0	1	0	0	0	0	0	0	0	0
10	1	0.5	Jennifer Fanzutti	-73.38143	41.49052	8/31/2016	0.2	Gravel		3	0	0	0	0	0	0	0	0	0	0
10	2	5	Jennifer Fanzutti	-73.38144	41.49058	8/31/2016	0.6	Gravel		0	0	0	0	0	0	0	0	0	0	0
10	3	10	Jennifer Fanzutti	-73.38150	41.49061	8/31/2016	1.0	Sand		3	0	0	0	0	0	0	0	0	0	0
10	4	20	Jennifer Fanzutti	-73.38151	41.49072	8/31/2016	1.8	Silt		3	0	0	0	0	0	0	0	0	0	0
10	5	30	Jennifer Fanzutti	-73.38160	41.49077	8/31/2016	2.3	Silt		2	0	0	0	0	0	0	0	0	0	0
10	6	40	Jennifer Fanzutti	-73.38169	41.49085	8/31/2016	2.5	Silt		2	0	1	0	0	0	0	0	0	0	0
10	7	50	Jennifer Fanzutti	-73.38175	41.49090	8/31/2016	2.6	Silt		2	0	0	0	0	0	0	0	0	0	0
10	8	60	Jennifer Fanzutti	-73.38189	41.49096	8/31/2016	2.7	Silt		0	0	0	0	0	0	0	0	0	0	0
10	9	70	Jennifer Fanzutti	-73.38194	41.49106	8/31/2016	2.9	Silt		0	0	0	0	0	0	0	0	0	0	0
10	10	80	Jennifer Fanzutti	-73.38201	41.49113	8/31/2016	3.3	Silt		0	0	0	0	0	0	0	0	0	0	0

Notes