

*The  
Connecticut  
Agricultural  
Experiment  
Station,  
New Haven*



**Connecticut River  
Middle and Upper  
Sections:  
East Haddam, CT  
to Agawam, MA**

**Invasive Aquatic Vegetation Survey  
Hydrilla Overwintering and Spread  
Management Options  
2020/21**

**GREGORY BUGBEE and  
SUMMER STEBBINS**  
Department of Environmental Science and Forestry



*Bulletin 1084  
June 2022*

**TABLE OF CONTENTS**

<b>Introduction .....</b>	<b>3</b>
<b>Materials and Methods .....</b>	<b>5</b>
<b>Objectives .....</b>	<b>6</b>
<b>Results and Discussion .....</b>	<b>6</b>
<b>Invasive Aquatic Plant Survey.....</b>	<b>6</b>
<b>Determining the Mechanisms for Hydrilla Overwintering and Spread .....</b>	<b>8</b>
<b>Aquatic Vegetation Management Options.....</b>	<b>8</b>
<b>Conclusions .....</b>	<b>16</b>
<b>Acknowledgments .....</b>	<b>17</b>
<b>Funding.....</b>	<b>17</b>
<b>References .....</b>	<b>17</b>
<b>Appendix .....</b>	<b>19</b>
<b>Invasive Plant Descriptions.....</b>	<b>19</b>
<b>Connecticut River Map Close-ups.....</b>	<b>24</b>
<b>Herbarium Mounts of Plants Found on Transects .....</b>	<b>31</b>
<b>Transect Data .....</b>	<b>55</b>
<b>Invasive Aquatic Plant Locations .....</b>	<b>63</b>



# Invasive Aquatic Vegetation Survey Hydrilla Overwintering and Spread Management Options 2020/21

GREGORY BUGBEE and SUMMER STEBBINS

Department of Environmental Science and Forestry

## Introduction

Invasive aquatic plants are non-native and have few natural enemies to limit their growth (Wilcove et al., 1998; Pimentel et al., 2000). They degrade native aquatic ecosystems (Barrett, 1989; Les and Mehrhoff, 1999), discourage recreation, and reduce real estate values (Connecticut Aquatic Nuisance Species Working Group, 2006; Fishman et al., 1998). Once invasive plants are established, long-term costly management programs are often necessary. Hydrilla (*Hydrilla verticillata*) is among the most troublesome invasive aquatic plants in many southern states. Often referred to as the perfect weed (Langeland, 1996), hydrilla can spread and persist by multiple methods including fragments, turions, tubers, and possibly seeds (Figure 1).

The Connecticut River winds 410 miles from the Canadian border to Long Island Sound. Its water sustains terrestrial and aquatic habitats that are critical to fisheries, wildfowl, and a multifaceted ecosystem. Sightings of bald eagles are common along the river with at least 50 nesting pairs in Connecticut (Buck, 2020). Recently, a cyanobacteria found in stands of hydrilla has been linked to wildfowl neurotoxins that may have caused the deaths of hundreds of bald eagles in South Carolina and Arkansas (Breinlinger et al., 2021).

Following reports of hydrilla in the southern portion of the Connecticut River in 2016, a task force led by The Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP) in conjunction with the Northeast Aquatic Nuisance Species Panel (NEANS) performed a preliminary hydrilla survey of the river from central Vermont/New Hampshire to southern Connecticut in 2018. The northernmost hydrilla sightings occurred in southern Massachusetts (Figure 2). From the Connecticut border south, the plant became common with portions of the river and its coves choked with the weed. The densest beds occurred

in protected coves and on shallow shoals. In some coves, hydrilla spread over the surface making access by boat nearly impossible. Finding such dense stands in a northern state is alarming. CAES IAPP has found small populations in several lakes, but these do not compare to the extensive areas in the Connecticut River. Creating further worries, the Connecticut River hydrilla is far more robust than that found elsewhere in the state (Figure 3). Genetic testing funded by NEANS found the Connecticut River hydrilla is not like any previously found in North America and is most closely related to strains in eastern Asia (Tippary et al., 2020). In addition to damage to the Connecticut River and its tributaries, the spread of hydrilla to lakes and ponds is a major concern. Management cost for even small hydrilla populations can be high. For instance, the cost for hydrilla control with herbicides in Coventry Lake, CT currently exceeds \$100,000 annually (Leininger, 2018). Other invasive aquatic plants are also a concern in the Connecticut River. These include Eurasian watermilfoil (*Myriophyllum spicatum*), fanwort (*Cabomba caroliniana*), curlyleaf pondweed (*Potamogeton crispus*), water chestnut (*Trapa natans*), and variable-leaf watermilfoil (*Myriophyllum heterophyllum*). Water chestnut management by early-season harvesting has been ongoing for years in the Connecticut River and has reduced but not eliminated the plant's presence.

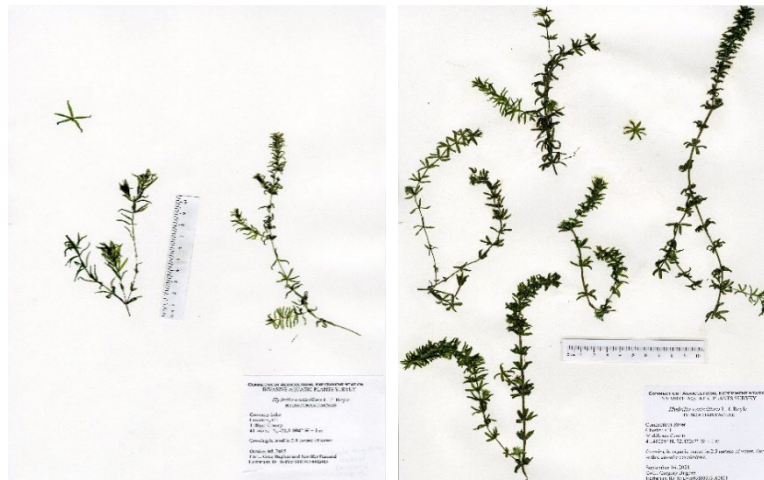
Since 2004, CAES IAPP has surveyed or resurveyed aquatic vegetation and monitored water chemistry in over 250 lakes and ponds (Figure 4). Fifty-five percent contain one or more invasive plant species. The presence of invasive species appears related to water chemistry, public boat launches, random events, and climate change (Rahel and Olden, 2008). CAES IAPP information is stored online where stakeholders can view publications, digitized vegetation maps, transect data, herbarium mounts, and water chemistry including temperature, dissolved oxygen, clarity, pH, alkalinity, conductivity, phosphorus, and



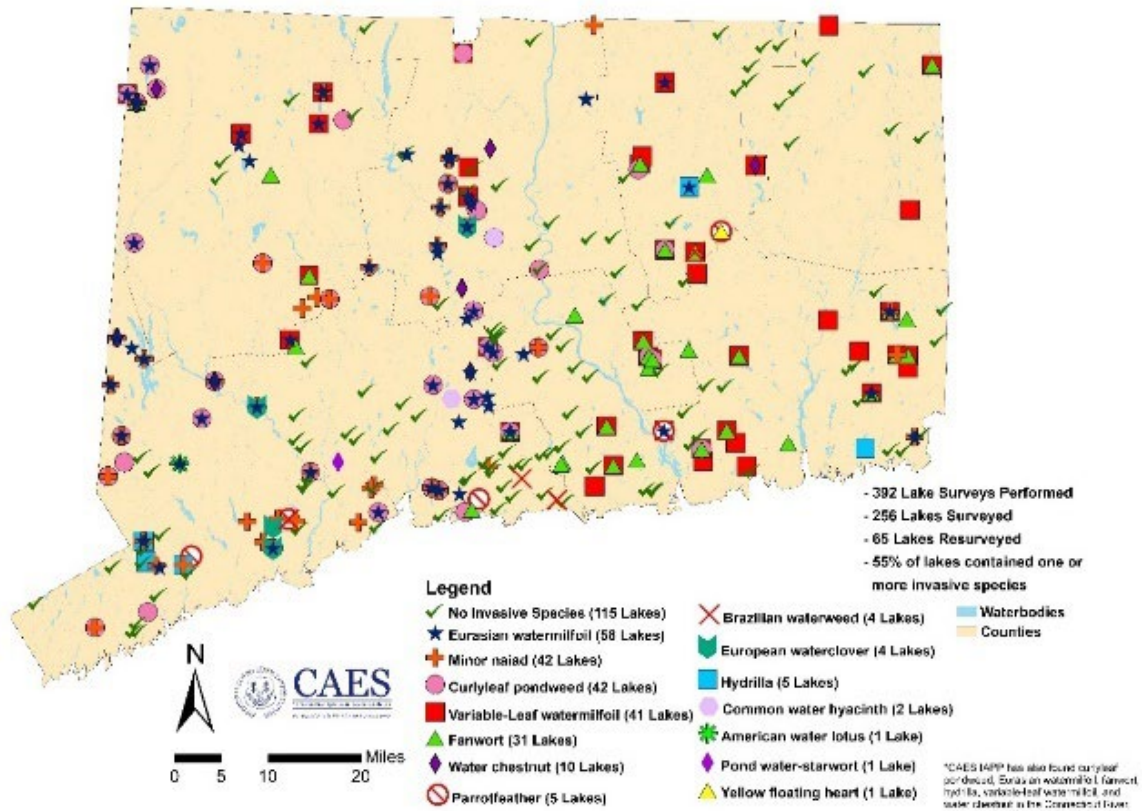
**Figure 1.** Characteristics of hydrilla: turions (top left), fragments (top right), tubers (bottom left), whorls (bottom right).



**Figure 2.** Dense hydrilla at northernmost site in Agawam, MA.



**Figure 3.** Hydrilla found in Coventry Lake by CAES IAPP in 2015 (left) versus the more robust hydrilla found in the Connecticut River in 2021 (right)



**Figure 4.** Occurrences of invasive aquatic plants in Connecticut lakes and ponds as determined by CAES IAPP from 2004 – 2021.

nitrogen (CAES IAPP, 2021). This information allows citizens, government officials, and scientists to view past conditions, compare them with current conditions, and make educated management decisions.

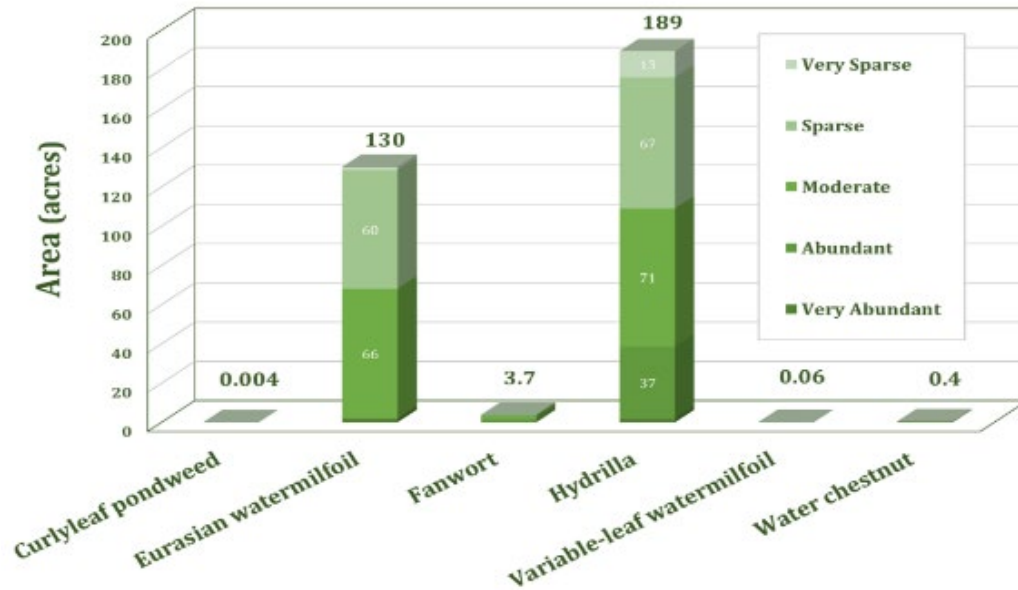
In 2019, with funding from the Connecticut River Gateway Commission and the Eightmile River Wild and Scenic Watershed, CAES IAPP surveyed the lower Connecticut River from East Haddam, CT to Long Island Sound. Previously no rivers had been surveyed by CAES IAPP, thus this was an important expansion of the program. The invasive species found in the lower section included hydrilla (189 acres), Eurasian watermilfoil (130 acres), fanwort (4 acres) and less than one acre of water chestnut, curlyleaf pondweed, and variable-leaf watermilfoil (Figure 5) (Bugbee and Stebbins, 2021). An interactive web app has been created to display the extent of invasive aquatic plants in the lower river: <https://portal.ct.gov/CAES/Invasive-Aquatic-Plant-Program/Connecticut-River/Connecticut-River-2019>.

This 2020/21 CAES IAPP aquatic invasive plant survey of the middle and upper portions of the Connecticut section of the Connecticut River compliments the 2019 survey of the lower section and completes the project. In addition, overwintering strategies of the genetically distinct hydrilla biotype are documented and management options are explored.

#### Materials and Methods

We surveyed from the northern border of the Gateway Conservation Zone (East Hampton/East Haddam border in Connecticut) for hydrilla and other invasive aquatic plants to the northernmost point of hydrilla in the river (Agawam, MA) in the summers of 2020 and 2021. A combination of visual sightings, rake tosses, and sonar with rake toss confirmation were used to locate plants. Using ESRI® and Trimble® geospatial technology with submeter accuracy, invasive patches greater than one square meter (0.0002 acres) were marked with polygons and smaller areas were marked with points. Each stand of invasive plants was assigned a qualitative density ranking (1 = very sparse/single plant – 5 = dense/to surface), and depth was recorded. When





**Figure 5.** Acreage and abundance of invasive aquatic plants in the lower portion of the Connecticut section of the Connecticut River in 2019.

field identifications were questionable, we brought samples back to the lab for review using the taxonomy of Crow and Hellquist (2000a, 2000b). Data were uploaded to a geographic information system (GIS) and digitized maps were created. We post-processed the GPS data in Pathfinder® 5.85 (Trimble Navigation Limited, Sunnyvale, CA) and then imported it into ArcGIS Pro 2.9.0 (ESRI, Redlands, CA) where it was geo-corrected. Data were then overlaid onto 2010 United States Department of Agriculture - National Agricultural Inventory Program (NAIP) aerial imagery with one-meter resolution. Using ESRI® ArcGIS Pro and ArcGIS online, an interactive web app was also created that can be found on our website:

<https://caes.maps.arcgis.com/apps/webappviewer/index.html?id=007f6ee203b74bcbb1d6e68a953d8baf>.

To provide added quantitative data on the invasive and native aquatic plant community, we established 31 reference transects. The transects were spread out along the east and west shores of the river and its coves where plant diversity was relatively high. Each transect contained 10 points (0.5, 5, 10, 20, 30, 40, 50, 60, 70 and 80 m from shore), and efforts were made to include at least one point with each invasive and native plant species. We recorded each plant species, abundance, depth, and sediment type. At least one specimen of each plant species found on transects was dried, pressed, mounted, and cataloged in the

CAES IAPP herbarium where they can be viewed in digital format:

<https://portal.ct.gov/CAES/Invasive-Aquatic-Plant-Program/Herbarium/Herbarium>.

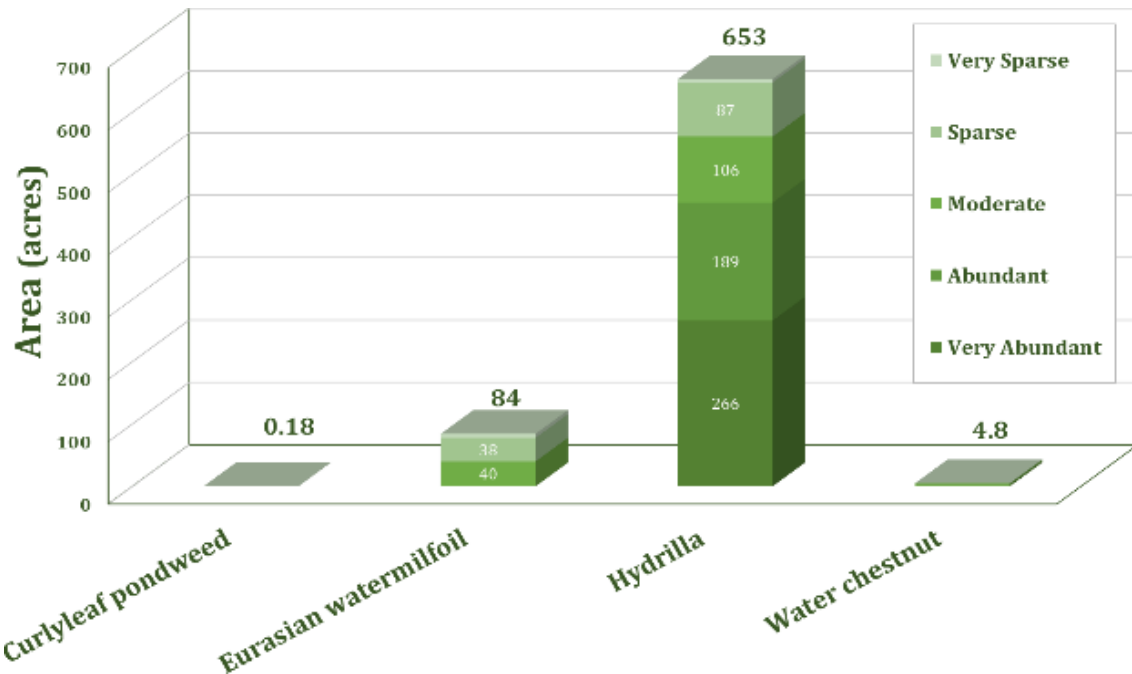
### Objectives

- Survey the middle and upper sections of the Connecticut portion of the Connecticut River for invasive aquatic plants and provide detailed digitized maps.
- Determine the mechanism for hydrilla overwintering and spread.
- Provide preliminary guidance on managing invasive species with reference to hydrilla.

### Results and Discussion

#### *Invasive Aquatic Plant Survey*

Our 2020/21 survey of the middle and upper sections of the Connecticut portion of the Connecticut River found four invasive aquatic plants: curlyleaf pondweed, Eurasian watermilfoil, hydrilla, and water chestnut (Maps 1 – 4, see appendix for plant descriptions and close up maps). Fanwort, common in the lower portion of the river, was not observed. Neither was variable-leaf watermilfoil. Overall, these sections were comprised of frequent patches and points of hydrilla along the main stem's shore at depths of 0-2 meters. Depths were dependent on the river's height, which was primarily determined by tides and flow rates. At low tide, beds of aquatic vegetation, including invasives,



**Figure 6.** Acreage and abundance of invasive aquatic plants in the middle and upper sections of the Connecticut portion of the Connecticut River in 2020/21.

were often exposed. At depths greater than 2 meters, aquatic vegetation was rare, likely due to poor light penetration caused by brown organic derivatives and suspended silt. Suspended silt was noticeably greater during periods of high boat activity when wakes caused shoreline disturbance.

Invasive aquatic plants inhabited four general river habitats: the main stem, coves, marinas, and tributaries. Hydrilla was by far the dominant species in the middle and upper sections of the Connecticut River, occupying 653 acres (Figure 6). Eurasian watermilfoil was the second-most abundant with 84 acres. Water chestnut and curlyleaf pondweed were present in much smaller amounts with 2.7 and 0.2 acres, respectively. Our survey was conducted after considerable water chestnut control via harvesting had reduced its abundance. Our surveys ventured into coves, tributaries, and marinas which were typically heavily impacted by “topped out” nearly impenetrable hydrilla. The most notable locations were the Mattabeset River, Middletown (Figure 7), Keeney Cove, East Hartford (Figure 8), Portland Boat Works, Portland, Saint Clements Marina, Portland (Figure 9), and Wethersfield Cove, Wethersfield. The northernmost hydrilla location is adjacent to Six Flags New England amusement park in Agawam, MA (Figure 2). In the main stem, hydrilla was often denser on the western side of the river.

Eurasian watermilfoil was common in the main stem from Rocky Hill, CT to Haddam, CT (Maps 3 and 4). North of Rocky Hill, Eurasian watermilfoil was very sparse or absent in the main stem but was more abundant in coves and tributaries (Maps 1 – 3). Coves often contained a high diversity of shoreline plants whose identification was beyond the scope of this work. Often hydrilla and Eurasian watermilfoil were mixed with eelgrass (*Vallisneria americana*). The roughly five-mile section of the river from Thompsonville to Windsor Locks, CT was shallow, rocky, and featured minimal aquatic vegetation (Maps 1 and 2). Tributaries often contained hydrilla, Eurasian watermilfoil, and occasional water chestnut considerable distances from the main stem. The Mattabeset River was heavily infested with hydrilla with sparse Eurasian watermilfoil and considerable water chestnut for roughly 2.5 miles upstream from the Connecticut River. Hydrilla was less common in the Farmington River, only extending about one mile upstream.

On our 31 reference transects, 4 invasive and 22 native plant species were present (Table 1). The frequency of occurrence (FOQ) on transects of the four invasive species were 28.4% - hydrilla, 4.5% - Eurasian watermilfoil, 0.6% - water chestnut, and 0.3% - curlyleaf pondweed. Eelgrass was the most common native species found on transects with a FOQ of 23.2%.



**Figure 7.** Dense hydrilla in the Mattabeset River, Middletown in 2020.



**Figure 8.** Dense hydrilla in Keeney Cove, East Hartford in 2021.



**Figure 9.** Dense hydrilla in St. Clements Marina, Portland in 2020.

Eelgrass is considered a prime habitat for juvenile fish, and its potential replacement by invasive species is a concern. The remaining native species had FOQ's less than 6%.

#### ***Determining the Mechanisms for Hydrilla Overwintering and Spread***

Connecticut River hydrilla is genetically unique compared to hydrilla from other parts of the world (Tippery et al., 2020) and looks considerably more robust than hydrilla from other parts of the state. A key means of reproduction and overwintering for hydrilla found outside the Connecticut River

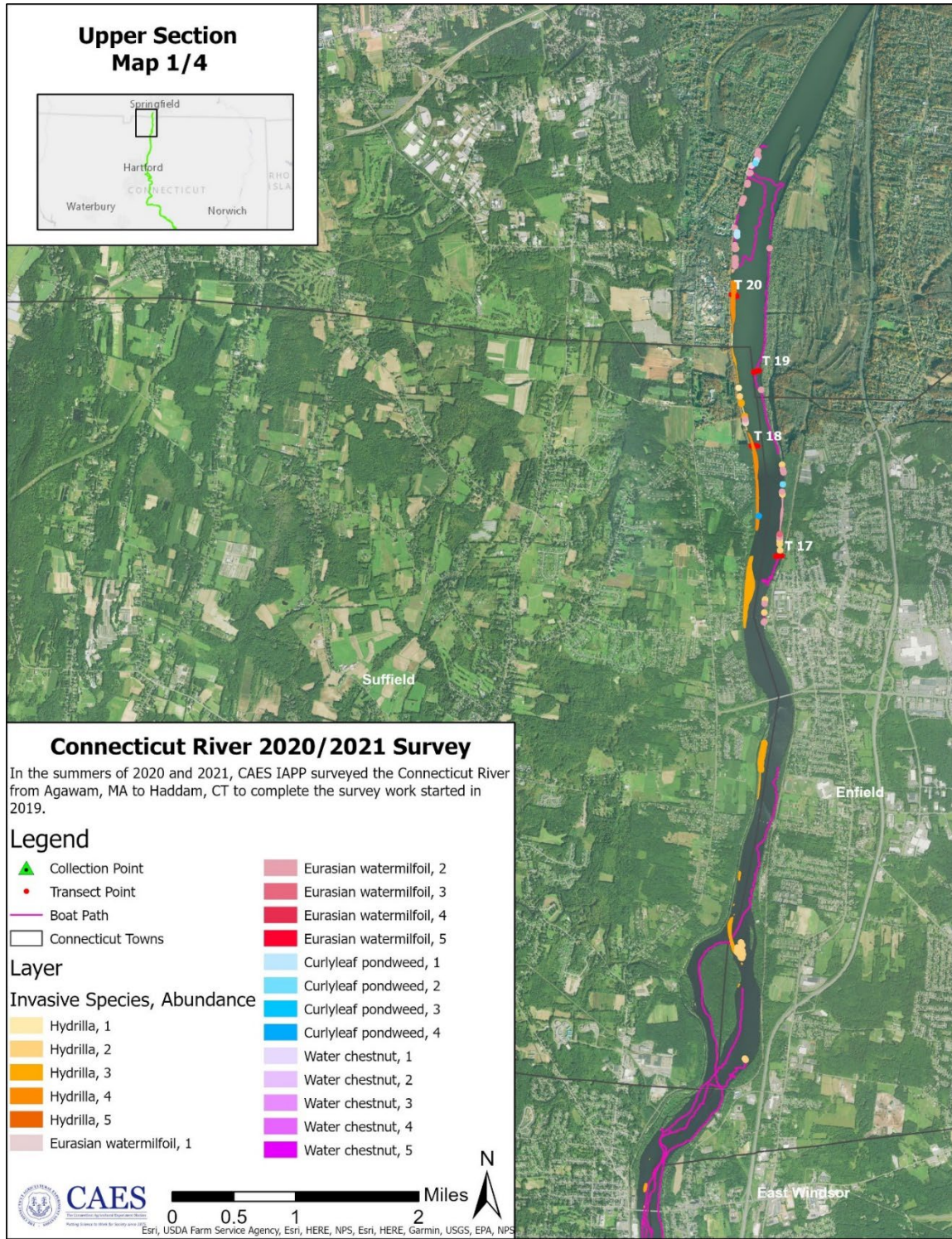
is propagules called tubers that arise from the root system (Figure 1). Because they form in the substrate and last for many years, they often escape hydrilla control tactics such as harvesting and herbicides. Observations by CAES IAPP and others have not found tubers associated with the Connecticut River hydrilla. In late spring and early summer 2021 we monitored the hydrilla regrowth in and around Wethersfield Cove (Figures 10 – 12). Using rakes, grapples, and core samplers we determined regrowth was from a combination of fragments and asexual propagules formed on stems or root/stem interface called turions (Figure 11).

#### ***Aquatic Vegetation Management Options***

Managing nuisance aquatic vegetation in the Connecticut River will be challenging because the river has extensive areas of desirable native vegetation such as eelgrass and numerous state-listed species. River flow and tidal movement will also enhance distribution and establishment of plant propagules. In addition, large numbers of residents utilize the river's numerous boat launches, promoting movement of invasive species by boat trailering. Since 2019, hydrilla fragments on boats last used in the Connecticut River, were intercepted by inspectors at launch ramps at Lake George, NY and Lake Champlain, VT (Craig, 2020; LCBP, 2019). Management options include preventing offsite movement through education and launch site monitors as well as active controls such as harvesting, herbicides, benthic barriers, and biological controls if discovered. Sometimes no management may be preferable.

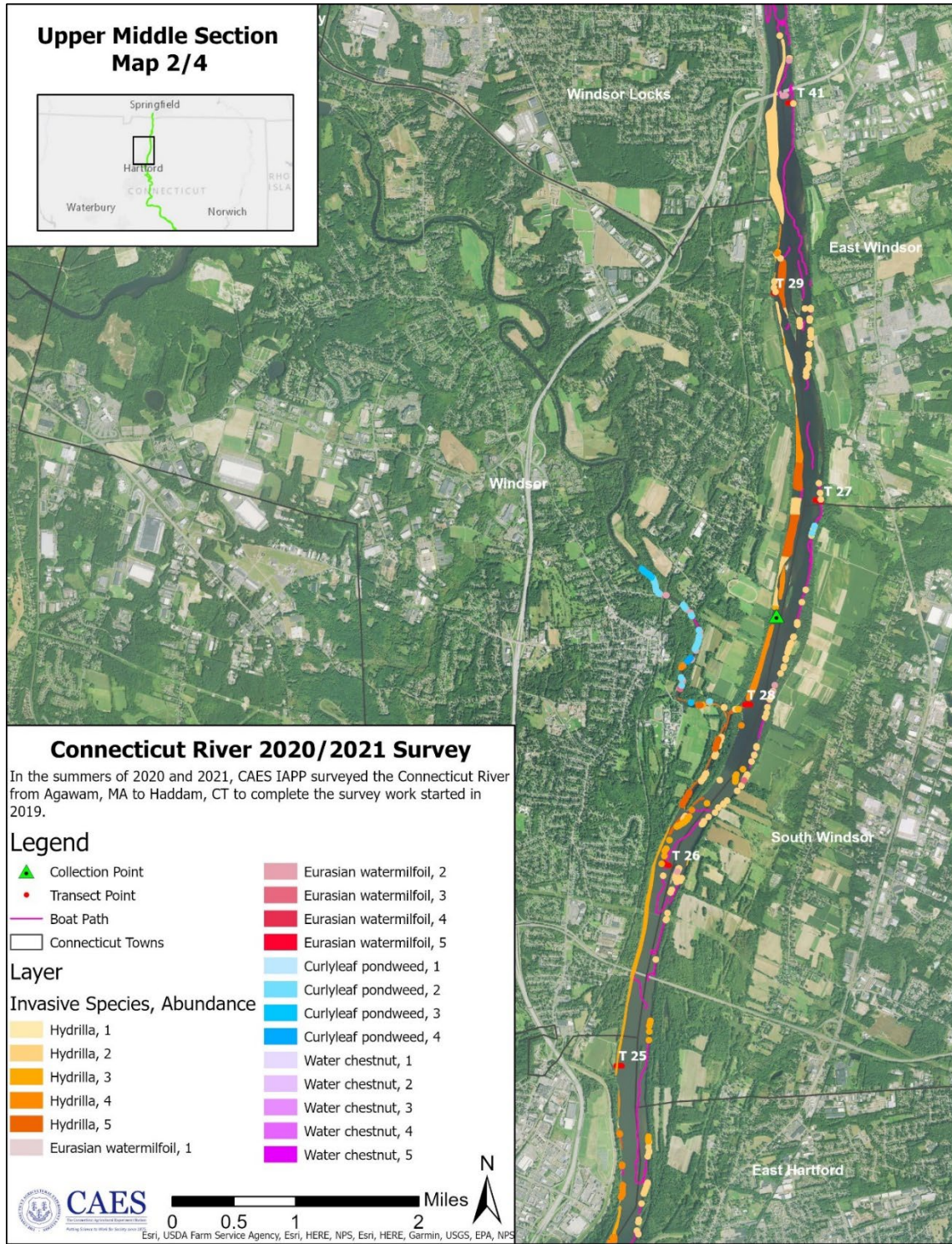
Education includes media reports, workshops, signage, and inspections. Signage that conveys the hydrilla problem has been developed by the Connecticut Department of Energy and Environmental Protection (CT DEEP) for state-owned launch ramps and by NEANS for private access points (Figure 13). A primary reason for the signage is to prevent the movement of hydrilla and other invasive species to uninfested lakes and rivers. Boat launch monitors and dedicated cleaning stations are also helpful. CAES IAPP provides invasive aquatic plant workshops to educate government officials, citizen scientists, boat launch monitors, and the public on how to identify, report, and manage non-native species. To request a workshop, visit our website: <https://portal.ct.gov/caes-iapp>. These educational opportunities often lead to early detection when response efforts can be most effective.





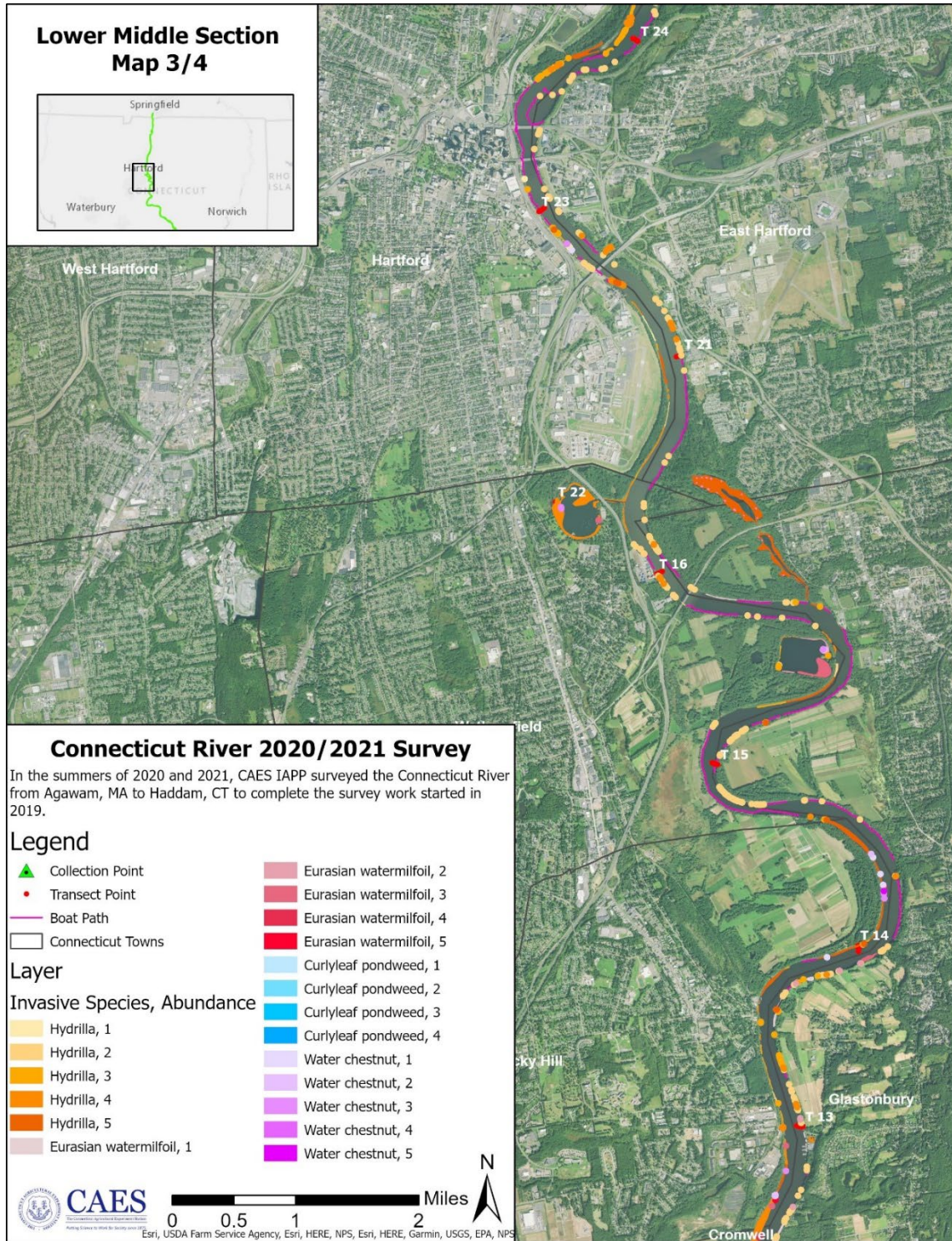
**Map 1.** Map of the area from Agawam, MA to East Windsor, CT. For further detail see maps in appendix or go online to view the web app: <https://bit.ly/3GqfQwp>.





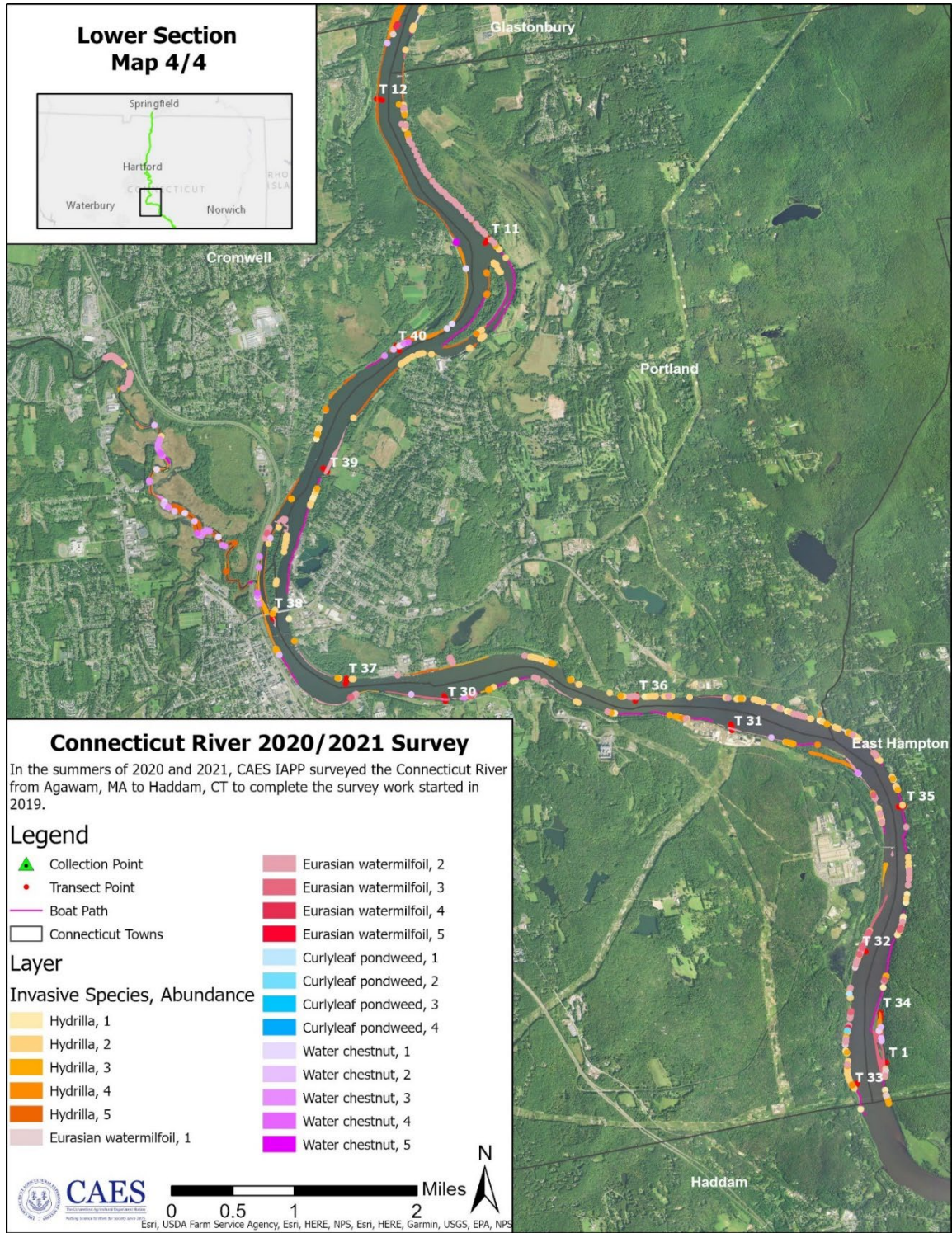
**Map 2.** Map of the area from Windsor Locks to East Hartford, CT. For further detail see maps in appendix or go online to view the web app: <https://bit.ly/3GqfQwp>.





**Map 3.** Map of the area from East Hartford to Cromwell, CT. For further detail see maps in appendix or go online to view the web app: <https://bit.ly/3GqfQwp>.





**Map 4.** Map of the area from Glastonbury to Haddam, CT. For further detail see maps in appendix or go online to view the web app: <https://bit.ly/3GqfQwp>.

**Table 1.** Frequency of occurrence and species richness of aquatic plant species on transects located in the middle and upper sections of the Connecticut portion of the Connecticut River.

Common Name*	Scientific Name	FOQ (%/transect point)
Arrowhead	<i>Sagittaria</i> species	3.2%
Berchtold's pondweed	<i>Potamogeton berchtoldii</i>	0.3%
Broadleaf arrowhead	<i>Sagittaria latifolia</i>	0.6%
Canadian waterweed	<i>Elodea canadensis</i>	4.5%
Clasping-leaf pondweed	<i>Potamogeton perfoliatus</i>	0.3%
Common duckweed	<i>Lemna minor</i>	1.0%
Coontail	<i>Ceratophyllum demersum</i>	0.6%
Curlyleaf pondweed	<i>Potamogeton crispus</i>	0.3%
Eelgrass	<i>Vallisneria americana</i>	23.2%
Eurasian watermilfoil	<i>Myriophyllum spicatum</i>	4.5%
Floating-leaf pondweed	<i>Potamogeton natans</i>	1.0%
Great duckweed	<i>Spirodela polyrhiza</i>	5.8%
<b>Hydrilla</b>	<b><i>Hydrilla verticillata</i></b>	<b>28.4%</b>
Illinois pondweed	<i>Potamogeton illinoensis</i>	0.6%
Knotweed	<i>Polygonum</i> species	1.0%
Leafy pondweed	<i>Potamogeton foliosus</i>	0.6%
Pickerelweed	<i>Pontederia cordata</i>	1.3%
Primrose-willow	<i>Ludwigia</i> species	3.5%
Sedge	<i>Carex</i>	1.0%
Shining pondweed	<i>Potamogeton x nitens</i>	0.3%
Spikerush	<i>Eleocharis</i> species	0.6%
Spiral pondweed	<i>Potamogeton spirillus</i>	0.3%
<b>Water chestnut</b>	<b><i>Trapa natans</i></b>	<b>0.6%</b>
Water stargrass	<i>Zosterella dubia</i>	3.9%
Waterwort	<i>Elatine</i> species	0.3%
Western waterweed	<i>Elodea nuttallii</i>	2.3%
Total Species Richness		26
Total Native Species Richness		22
Total Invasive Species Richness		4
<b>*Invasive species in bold</b>		

Harvesting is particularly effective on pioneer infestations and plants species that are near the surface, have annual root systems, and do not propagate by fragmentation, seeds, tubers, or turions (Figure 14, right). Water chestnut meets these criteria if harvesting is accomplished early in the season prior to seed development. Harvesting of water chestnut in the Connecticut River has been in progress for many years (Figure 14, left). Normally hydrilla is not well suited to harvesting because the plant's tubers and turions remain in the sediment and lead to regeneration. The apparent lack of tubers in the Connecticut River strain of hydrilla may make this technique more effective.

Herbicides can be effective in controlling unwanted aquatic vegetation particularly when species are susceptible, resistant propagules are

lacking, and water movement is minimal. In Connecticut, herbicide applications will need clearance from CT DEEP Pesticides Unit and the Natural Diversity Database. In addition, each town where the applications are to occur will need to be notified and allowed to comment. Herbicides fall into two general categories. Those that act on contact with the vegetation and those that are systemic and travel throughout the plant. Contact herbicides usually provide fast results with short-term (single year) benefits (AERF, 2014). Systemic herbicides are slower acting but can travel to the plants root system where both the above and below sediment plant parts are eliminated creating longer term control. Herbicides must also be chosen carefully as some have efficacy on certain target species and not others. No herbicide trials have yet been performed on the Connecticut River biotype.





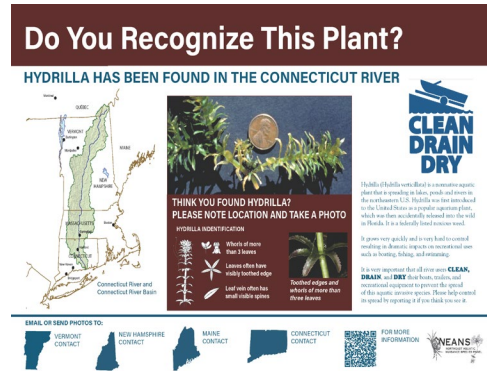
**Figure 10.** Searching for tubers with coring tools and sieves in Wethersfield Cove, May 2021.



**Figure 11.** Turions associated with hydrilla regrowth in Wethersfield Cove, June 2021.



**Figure 12.** Dr. Mark Heilman examining hydrilla in the Connecticut main stem just south of Wethersfield Cove, June 2021.



**Figure 13.** Boat launch signage describing hydrilla problem.

addition, desirable plants, particularly those that are state-listed due to their rarity, may need to be tolerant. Specifics on the use of aquatic herbicides in Connecticut are found in the CT DEEP publication titled “Nuisance Aquatic Vegetation Management: A Guidebook” (CT DEEP, 2005). In addition to being costly, herbicide applications are often polarizing and controversial.

Work by the New York State Department of Environmental Conservation on hydrilla infested portions of the Croton River found low dose injections of the herbicide fluoridone upstream caused a substantial decrease in hydrilla after five years of treatments (Figure 15; McGlynn and Eyres, 2018). CAES IAPP is currently testing a new herbicide called ProcellaCOR that has the potential for improved control of hydrilla compared to many existing products.





**Figure 14.** CT DEEP hand harvesting water chestnut (left, photo credit Judy Preston, CT Sea Grant). Mechanical harvesting of hydrilla (right, photo credit Given's Shorescapes).



**Figure 15.** Herbicide injection system successfully used on the Croton River to control hydrilla (photo credit New York Department of Environmental Conservation).



**Figure 16.** CAES IAPP testing of short-term benthic barriers on the Connecticut River at Portland Boat Works.



**Figure 17.** Grass carp introduction into Candlewood Lake in 2015 (left). By 2018 the fish had shown considerable growth (right).

Benthic barriers or “bottom blankets” are effective at eliminating nuisance vegetation in small areas such as swim zones, around docks, and pioneer infestations. CAES IAPP has tested short-term placement (<30 days) of the barriers in Lake Quonnipaug and Bashan Lake with outstanding results. Season-long control of Eurasian watermilfoil and fanwort was achieved, and similar results would be expected for hydrilla. Thus, although labor intensive, benthic barriers may be able to be moved from place to place during a season for effective control. Use may be most effective in smaller marinas. In 2021, in cooperation with the Connecticut River Conservancy, CAES IAPP tested the applicability of benthic barriers in the Connecticut River at Portland Boat Works (Figure 16, left). Although somewhat difficult to place in flowing water, installation during slack tide proved feasible, and high flow from subsequent heavy rains did not dislodge the benthic barriers. Placement in mid-May with removal in early June gave season-long control (Figure 16, bottom right). Placement in mid-July with removal in mid-August proved less effective as established hydrilla was pressed down and pushed out by the barriers resulting in excessive growth along the sides (Figure 16, top right).

Although efforts are underway to find biological controls for nuisance aquatic vegetation, breakthroughs have been limited. CAES has worked with officials from the United States Department of Agriculture to find new plant pathogens and insects that control nuisance aquatic plants with little success. To date the only biological control used in Connecticut is grass carp (*Ctenopharyngodon idella*) (Figure 17). Grass carp are herbivorous fish that feed on most submersed aquatic plants but prefer hydrilla. Over-stocking in some waterbodies has led to an undesirable reduction in plants needed for fish and other wildlife. The introduction of grass carp into Connecticut lakes requires approval by CT DEEP. In Connecticut, only sterile grass carp (triploid) are permitted. Introducing grass carp in the Connecticut River would likely be highly scrutinized by regulatory officials because of potential harm to nontarget species and their propensity to migrate from where they were stocked.

Forgoing management in concert with spread prevention actions is sometimes preferable if the collateral impacts of methods are unclear, the problem has been inadequately defined, funding is inadequate, public support is lacking, and/or further research is needed. Additional surveillance should be considered to quantify

hydrilla and other invasive aquatic plants’ rates of spread, or lack thereof, in the Connecticut River so that management options can be prioritized.

### Conclusions

This report completes the CAES IAPP invasive aquatic plant survey of the Connecticut portion of the Connecticut River including its coves and tributaries. Included in this report is surveillance of the Connecticut River’s middle and upper sections performed in 2020 and 2021 which compliments the CAES IAPP survey of the river’s lower section performed in 2019. Results of the lower river’s survey can be viewed online: <https://portal.ct.gov/-/media/CAES/DOCUMENTS/Publications/Bulletins/B1072.pdf>. Our 2020/21 survey of the middle and upper sections of the Connecticut portion of the Connecticut River found four invasive aquatic plants: curlyleaf pondweed, Eurasian watermilfoil, hydrilla, and water chestnut and 22 native aquatic plants. Hydrilla was by far the most dominant species occupying 653 acres followed by Eurasian watermilfoil which occupied 84 acres. In the river’s main stem, hydrilla was typically more abundant on the western side. Genetic testing of the hydrilla proved it to be a biotype different than that found elsewhere in North America with its most unique feature being a lack of tubers. Water chestnut and curlyleaf pondweed were present in much smaller amounts with 2.7 and 0.2 acres, respectively. Our survey was conducted after considerable water chestnut control via harvesting had occurred which reduced its abundance. Our surveys ventured into coves, tributaries, and marinas which were typically heavily impacted by “topped out” nearly impenetrable hydrilla. The northernmost hydrilla location is adjacent to Six Flags New England amusement park in Agawam, MA. Hydrilla typically occurred at depths of 0-2 meters. Depth limitation appeared dependent on tides and poor light penetration caused by organic derivatives and suspended silt. Often hydrilla and Eurasian watermilfoil were mixed with native eelgrass which is a valuable habitat for juvenile fish.

Managing nuisance aquatic vegetation in the Connecticut River will be challenging because of river flow, tides, state-listed species, suspended sediment, numerous stakeholders, and complications involving multiple municipal and state jurisdictions. Options include harvesting, herbicides, biological controls, and benthic barriers. Sometimes no management is preferable. Signage, other forms of education, boat launch monitors, and cleaning stations can help prevent spread to uninfested waterbodies. These options will likely need further research before large-scale



application is employed. Additional surveillance should be considered to quantify changes in the abundance of hydrilla and other invasive aquatic plants to prioritized management options.

### Acknowledgments

The assistance of the following individuals is gratefully acknowledged.

- Margot Burns, Lower Connecticut River Council of Governments
- Jeanne Davies, CT Resource Conservation and Development Area
- Riley Doherty, Eightmile River Wild and Scenic Watershed
- Chris Doyle, Solitude Lake Management, Inc.
- Michael Greer, United States Army Corps of Engineers
- Mark Heilman, SePro Corp.
- Matthew Latella, CAES IAPP
- Michael Modica, CAES IAPP
- Adam Pakalnis, CAES IAPP
- Deanna Rackie, CAES IAPP
- Maylani Velazquez, CAES IAPP
- Sunayna Wahi, CAES IAPP
- Kelsey Wentling, Connecticut River Conservancy

### Funding

This project was funded through grants from the Connecticut Department of Energy and Environmental Protection under 2020 CT aquatic Invasive Species Management Plan Implementation Grant #F20AP12036 and the United States Department of Agriculture under Hatch Grant CONH00783.

### References

- AERF. (2014). *Biology and Control of Aquatic Plants, A Best Management Practices Handbook: Third Edition*. Gettys, L. A., Haller, W. T., and Petty D. G. (eds). Aquatic Ecosystem Restoration Foundation, Marietta, GA. 238 pp.
- Barrett, S. C. (1989). Waterweed Invasions. *Scientific American*, 261, 90-97.
- Breinlinger, S., Tabitha, P. J., Haram, B. N., et al. (2021). Hunting the Eagle Killer: A cyanobacterial neurotoxin cause vacuolar myelinopathy. *Science*, 371(6356). DOI: [10.1126/science.aax9050](https://doi.org/10.1126/science.aax9050)
- Buck, J. (2020). Bald eagles of the Connecticut River Watershed. *Estuary*. <https://estuarymagazine.com/2020/03/bald-eagles-of-the-connecticut-river-3/>. Retrieved December 1, 2021.
- Bugbee, G. J. and Stebbins, S. E. (2021). Connecticut River-Gateway Conservation

Zone Invasive aquatic plant survey, aquatic plant management options. CAES Bulletin 1072. 122 pp.

- CAES IAPP. (2021). The Connecticut Agricultural Experiment Station Invasive Aquatic Plant Program (CAES IAPP). <https://portal.ct.gov/caes-iapp>. Retrieved November 9, 2021.
- Connecticut Aquatic Nuisance Species Working Group. (2006). Connecticut aquatic nuisance species management plan. [https://www.fws.gov/anstaskforce/State%20Plans/CT\\_ANS\\_Plan.pdf](https://www.fws.gov/anstaskforce/State%20Plans/CT_ANS_Plan.pdf). Retrieved December 15, 2021.
- Connecticut Department of Environmental Protection. (2005). Nuisance Aquatic Vegetation Management: A Guidebook. Pesticide Management Program, 79 Elm St. Hartford, CT 06106-5127. [http://www.ct.gov/deep/lib/deep/pesticide\\_certification/Supervisor/aweeds.pdf](http://www.ct.gov/deep/lib/deep/pesticide_certification/Supervisor/aweeds.pdf). Retrieved December 1, 2021.
- Craig, G. (2020). Boat stewards keep hydrilla and more from Adirondack lakes during busy pandemic season. Adirondack Explorer. <https://www.adirondackexplorer.org/stories/busy-pandemic-boating-season>. Retrieved December 20, 2021.
- Crow, G. E. and Hellquist, C. B. (2000a). Aquatic and Wetland Plants of Northeastern North America. Volume One Pteridophytes, Gymnosperms, and Angiosperms: Dicotyledons. Madison, Wisconsin. The University of Wisconsin Press. 480 pp.
- Crow, G. E. and Hellquist, C. B. (2000b). Aquatic and Wetland Plants of Northeastern North America. Volume Two Angiosperms: Monocotyledons. Madison, Wisconsin. The University of Wisconsin Press. 400 pp.
- Fishman, K. J., Leonard, R. L., and Shah, F. A. (1998). Economic evaluation of Connecticut lakes with alternative water quality levels. Connecticut Department of Environmental Protection. 79 Elm St. Hartford CT.
- Lake Champlain Basin Program (LCBP). (2019). Lake Champlain steward intercepts hydrilla. Lake Champlain Basic Program Press Release. <https://www.lcbp.org/2019/10/lake-champlain-steward-intercepts-hydrilla/>. Retrieved December 20, 2021.
- Langeland, K. A. (1996). *Hydrilla verticillata* (L.F.) Royle (Hydrocharitaceae), The Perfect Aquatic Weed. *Castanea*, 61(3), 293-304.
- Leininger, T. (2018). Coventry council approves tax increase due to cost of combating invasive plant in lake. *Journal Inquirer*. <https://www.journalinquirer.com/towns/coventry/coventry-council-approves-tax-increase-partly-due-to-cost-of-combating->

[invasive-plant-in-lake/article\\_34e0ba9a-68d9-11e8-80e9-e3f166737102.html](https://www.ct.gov/department-of-ecology-and-land-use/press-releases/2021/11/30/invasive-plant-in-lake/article_34e0ba9a-68d9-11e8-80e9-e3f166737102.html).

Retrieved November 30, 2021.

- Les, D. H. and Mehrhoff, L. J. (1999). Introduction of nonindigenous aquatic vascular plants in southern New England: a historical perspective. *Biological Invasions, 1*, 281-300.
- McGlynn, C. and Eyres, W. (2018). Croton River Hydrilla Control Project - Five Year Management Plan. New York State Department of Environmental Conservation, Bureau of Invasive Species and Ecosystem Health. [https://www.dec.ny.gov/docs/lands\\_forests\\_pdf/croton5yrplan\(1\).pdf](https://www.dec.ny.gov/docs/lands_forests_pdf/croton5yrplan(1).pdf). Retrieved June 22, 2020.
- Pimentel, D., Lach, L., Zuniga, R., et al. (2000). Environmental and economic costs of nonindigenous species in the United States. *Bioscience, 53*, 53-65.
- Rahel, F. J. and Olden, J. D. (2008). Assessing the Effects of Climate Change on Aquatic Invasive Species. *Conservation Biology, 22*(3), 521-533.
- Tippary, N. P., Bugbee, G. J., and Stebbins, S. E. (2020). Evidence for a genetically distinct strain of introduced *Hydrilla verticillata* (Hydrocharitaceae) in North America. *J. Aquat. Plant Management, 58*, 1-6.
- Wilcove, D. S., Rothstien, D., Dubow, J., et al. (1998). Quantifying threats to imperiled species in the United States. *BioScience, 48*, 607-615

# **Appendix**

## **Invasive Plant Descriptions**

# *Hydrilla verticillata*\*

**Common name:**

Hydrilla

**Origin:**

Asia

**Key features:**

Plants are submersed

**Stems:** Slender, branched and up to 25 feet (7.5 m) long

**Leaves:** Whorled leaves approx. 0.7 inches (1.5 cm) long, whorls often have 5 leaves (range 4-8); leaf margins are visibly toothed

**Flowers:** Female flowers have three translucent petals that have reddish streaks; male flowers have three petals and can be white to red in color

**Fruits/Seeds:** Small tubers (key feature) can be found in the sediment, turions form along the stem

**Reproduction:** Fragmentation, turions, tubers and seeds

**Easily confused species:**

Waterweeds (Native): *Elodea nuttallii* and *Elodea canadensis*

Brazilian waterweed: *Egeria densa*



Photo by CAES IAPP

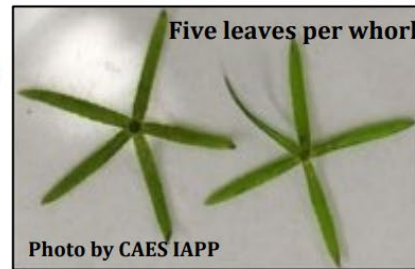
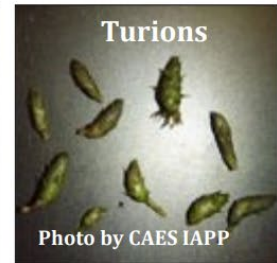


Photo by CAES IAPP



Tuber

Photo by CAES IAPP



Turions

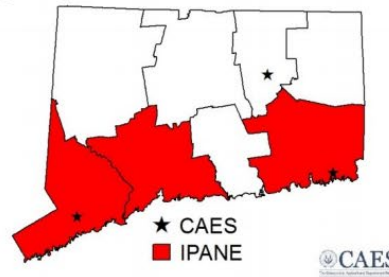
Photo by CAES IAPP



Copyright 1991 Univ. of Florida  
Center for Aquatic and Invasive Plants

*Hydrilla verticillata*  
Hydrilla

\*This plant is extremely aggressive in the south-eastern U.S.. It is now established in the Connecticut and Silvermine river systems and is of great concern.



★ CAES  
■ IPANE



# *Myriophyllum spicatum*

**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  $\geq 12$  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

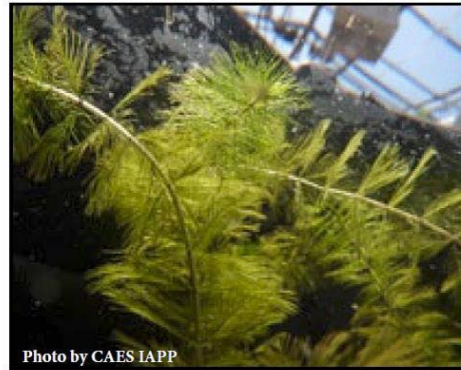
**Easily confused species:**

Variable-leaf watermilfoil: *Myriophyllum heterophyllum*

Low watermilfoil: *Myriophyllum humile*

Northern watermilfoil: *Myriophyllum sibiricum*

Whorled watermilfoil: *Myriophyllum verticillatum*



Copyright 1991 Univ. of Florida  
Center for Aquatic and Invasive Plants





# *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

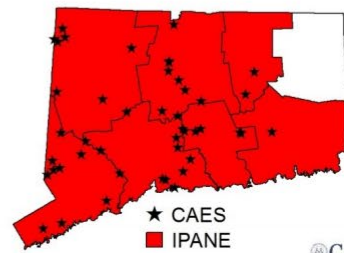
**Flowers:** Brown and inconspicuous

**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

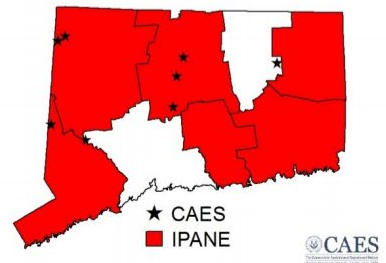
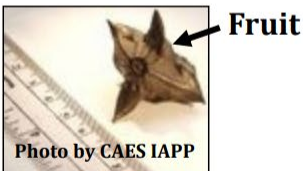
**Flowers:** Flowers are located in the center of the rosette and have four white petals

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

**Reproduction:** Seeds and fragmentation

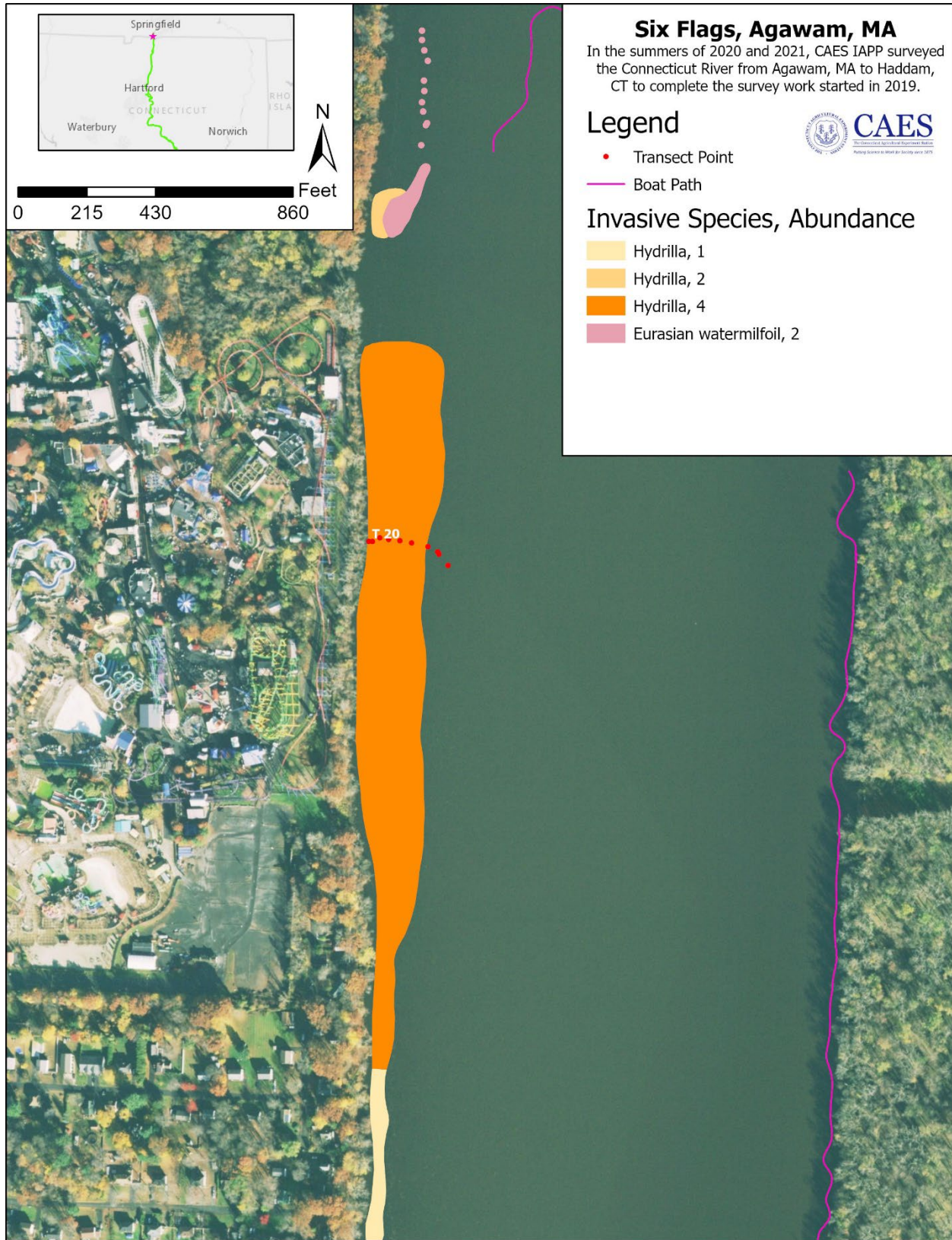
**Easily confused species:**

None

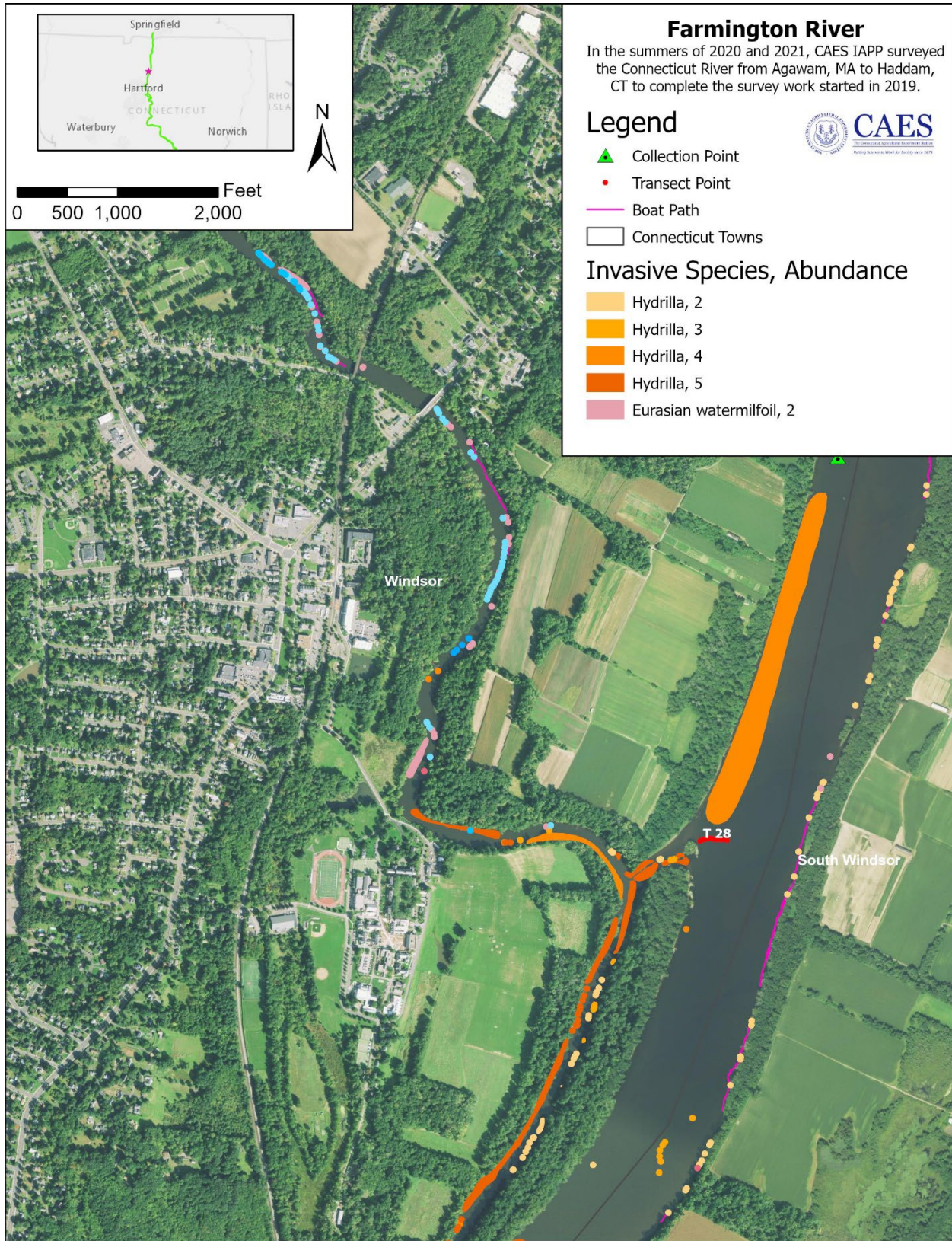




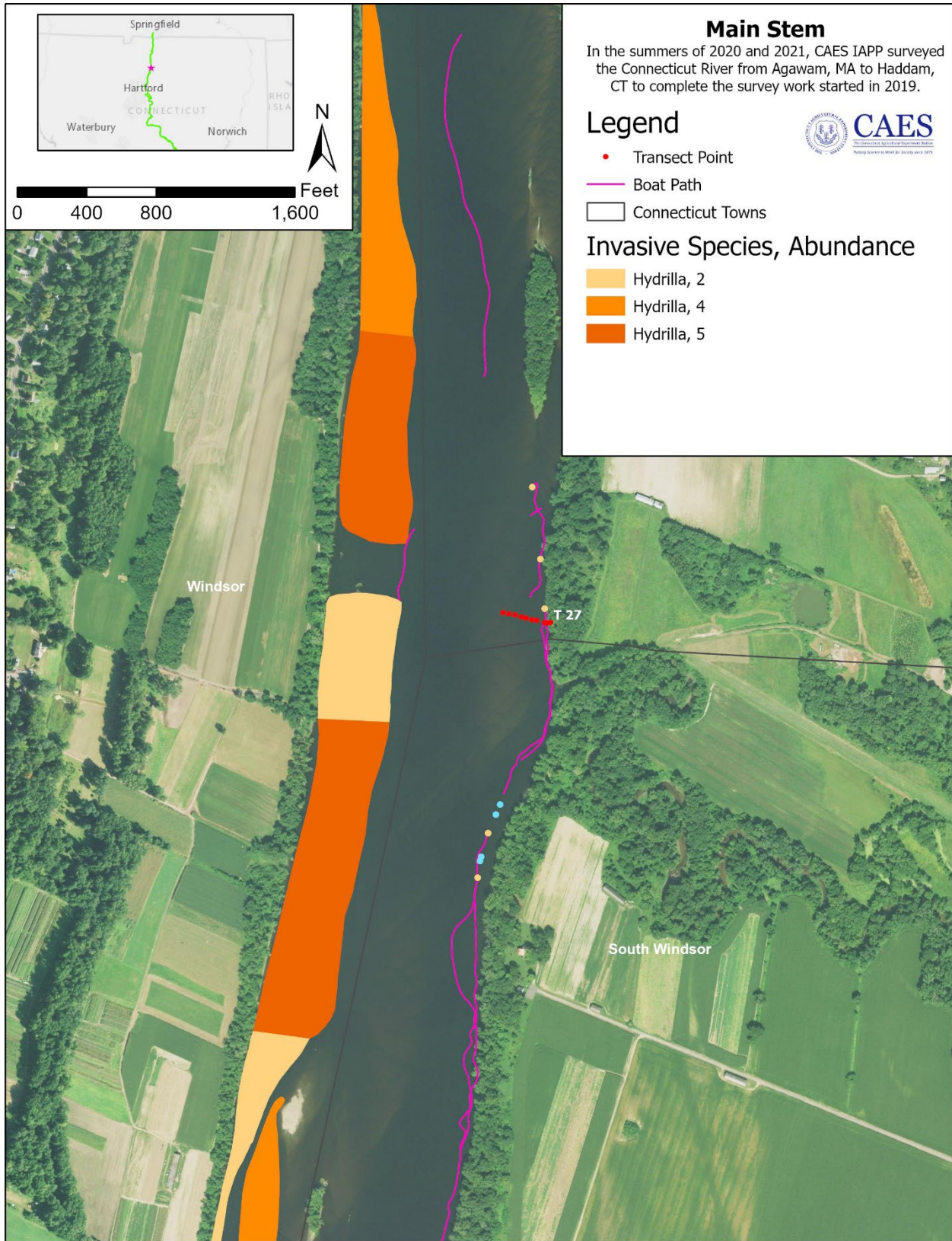
## **Connecticut River Map Close-ups**



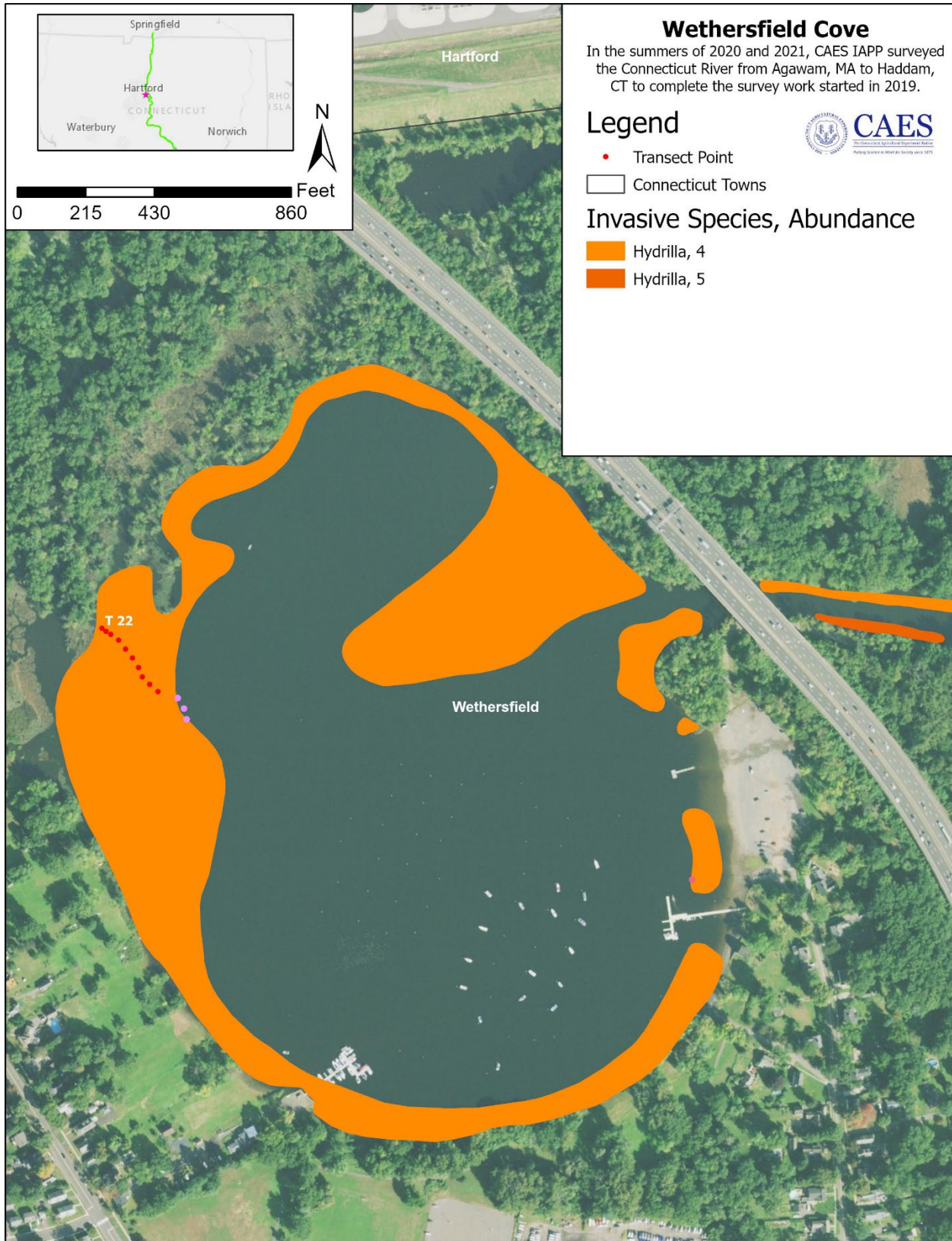




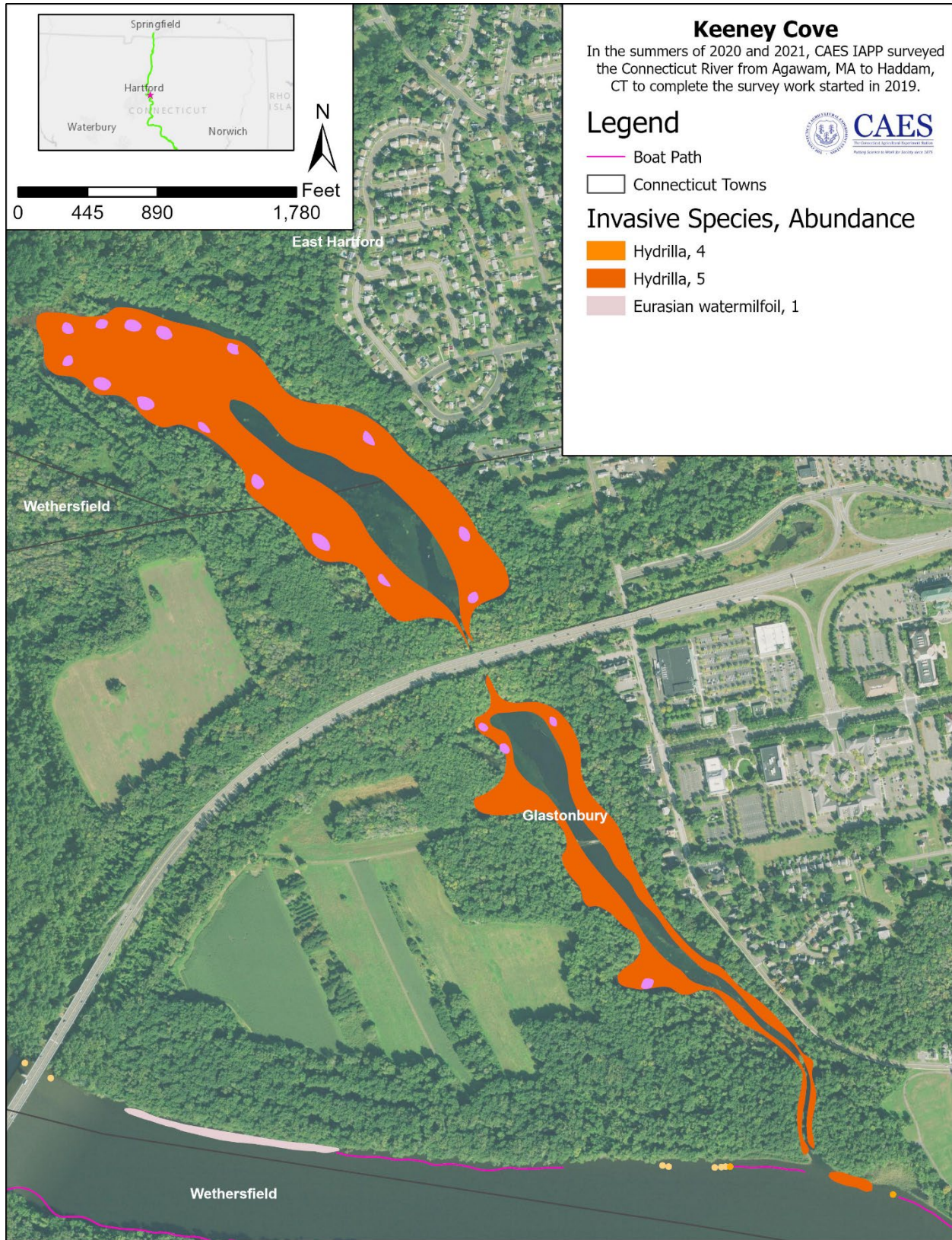




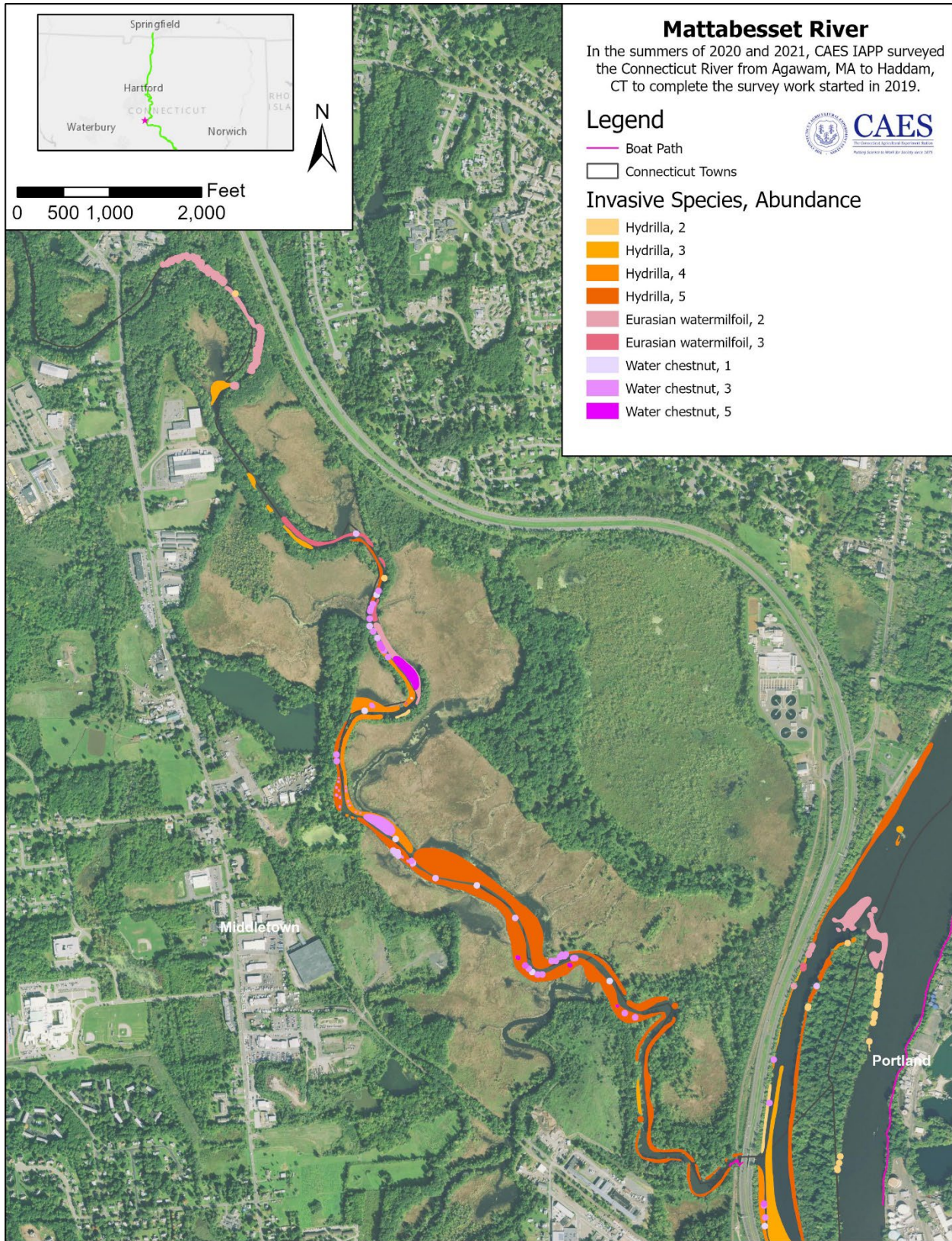














**Herbarium Mounts of Plants Found on Transects  
(Common names in Table 1)**





CONNECTICUT AGRICULTURAL EXPERIMENT STATION  
INVASIVE AQUATIC PLANTS SURVEY

*Elatine* species L.  
ELATINACEAE

Connecticut River  
East Hartford, CT  
Hartford County  
41 74276° N, 72.64148° W ± 1 m

Growing in sand in 0.1 meters of water Found with  
*Elatine minima* and *Sagittaria latifolia*.

August 19, 2020  
Coll. Greg Bugbee and Matthew Latella  
Herbarium ID: ElaSpp08400008192020



CONNECTICUT AGRICULTURAL EXPERIMENT STATION  
INVASIVE AQUATIC PLANTS SURVEY

*Eleocharis* species R.Br.  
CYPERACEAE

Connecticut River  
Portland, CT  
Middlesex County  
41.58597° N, 72.64047° W ± 1 m

Growing in sand in 0.2 meters of water Found with  
*Hydrilla verticillata* and *Sagittaria* species.

August 18, 2020  
Coll. Greg Bugbee  
Herbarium ID:-EleSpp14100008182020





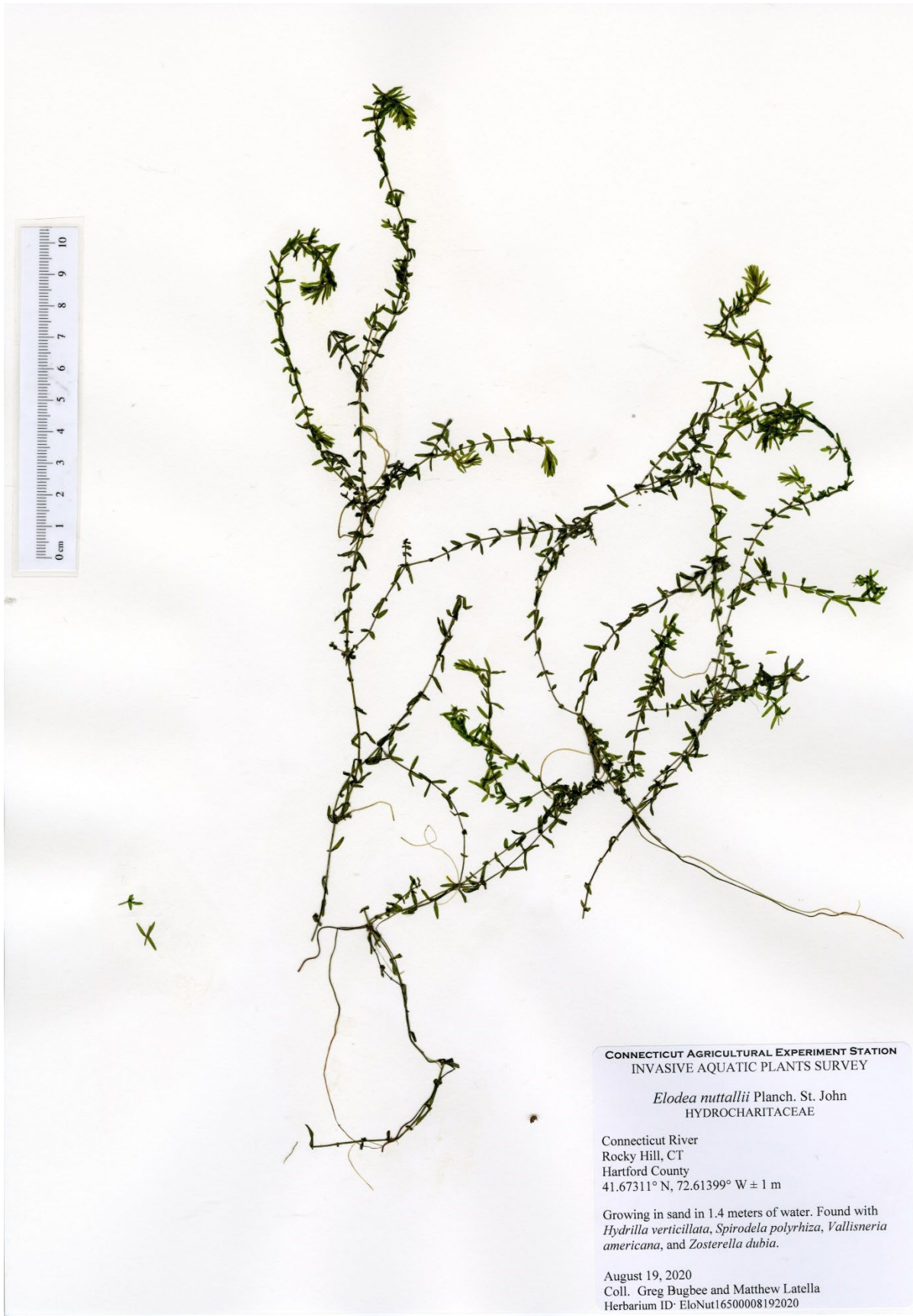
CONNECTICUT AGRICULTURAL EXPERIMENT STATION  
INVASIVE AQUATIC PLANTS SURVEY

*Elodea canadensis* Michx.  
HYDROCHARITACEAE

Connecticut River  
Longmeadow, MA  
Hampden County  
42.02828° N, 72.60664° W ± 1 m

Growing in sand in 0.1 meters of water Found with  
*Hydrilla verticillata*.

August 19, 2020  
Coll. Summer Stebbins and Maylani Velazquez  
Herbarium ID: EloCan02900008192020





CONNECTICUT AGRICULTURAL EXPERIMENT STATION  
INVASIVE AQUATIC PLANTS SURVEY

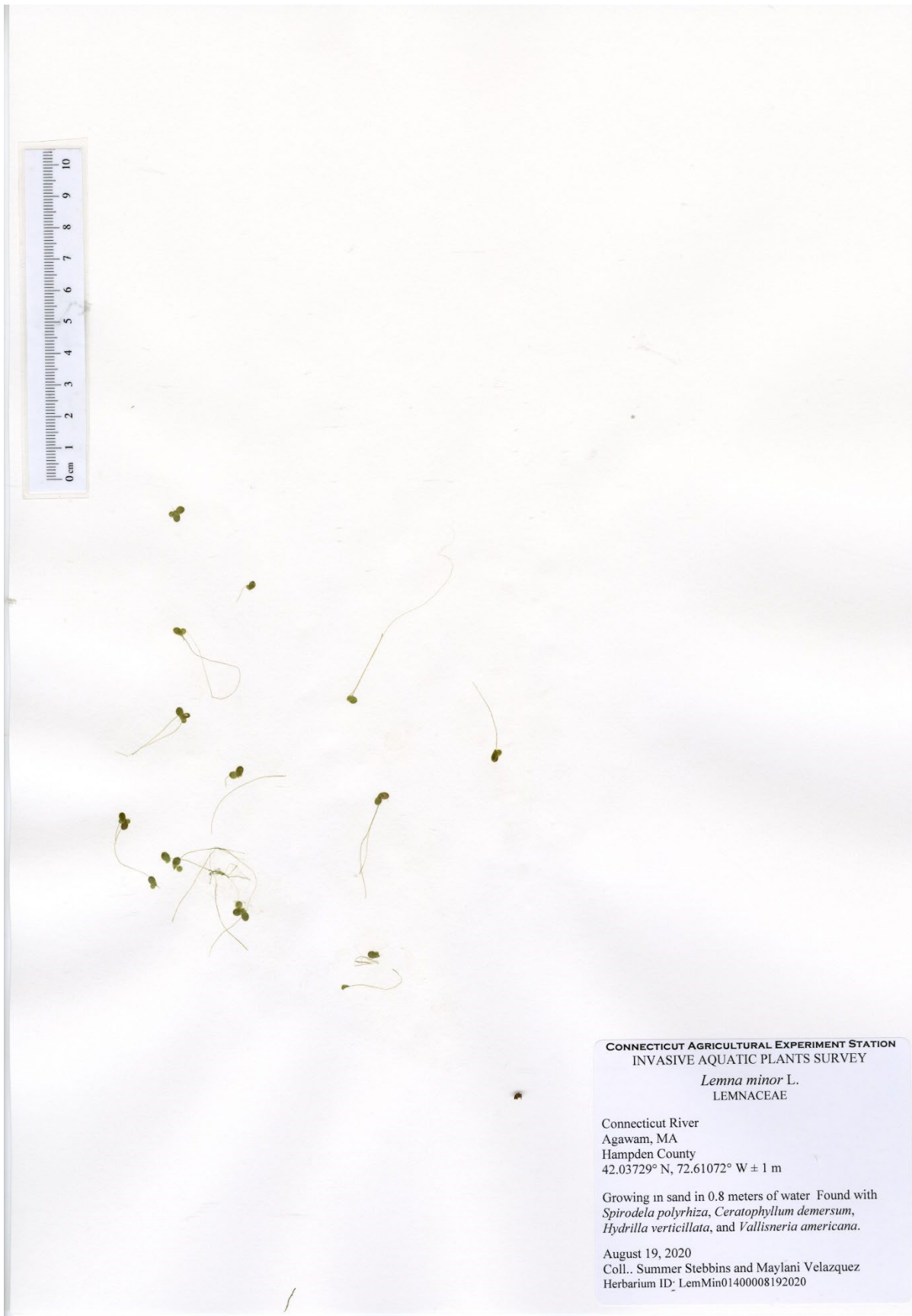
*Hydrilla verticillata* L. f. Royle  
HYDROCHARITACEAE

Connecticut River  
Rocky Hill, CT  
Hartford County  
41.67311° N, 72.61399° W ± 1 m

Growing in sand in 1.4 meters of water Found with  
*Elodea nuttallii*, *Spirodela polyrrhiza*, *Vallisneria*  
*americana*, and *Zosterella dubia*.

August 19, 2020  
Coll. Greg Bugbee and Matthew Latella  
Herbarium ID: HydVer02900008182020







CONNECTICUT AGRICULTURAL EXPERIMENT STATION  
INVASIVE AQUATIC PLANTS SURVEY

*Ludwigia* species L.  
ONAGRACEAE

Connecticut River  
East Hampton, CT  
Middlesex County  
41.52175° N, 72.55363° W ± 1 m

Growing in silt in 0.2 meters of water. Found with  
*Polygonum* species and *Pontederia cordata*.

August 18, 2020  
Coll. Greg Bugbee  
Herbarium ID: LudSpp06700008192020







CONNECTICUT AGRICULTURAL EXPERIMENT STATION  
INVASIVE AQUATIC PLANTS SURVEY

*Polygonum* species L.  
POLYGONACEAE

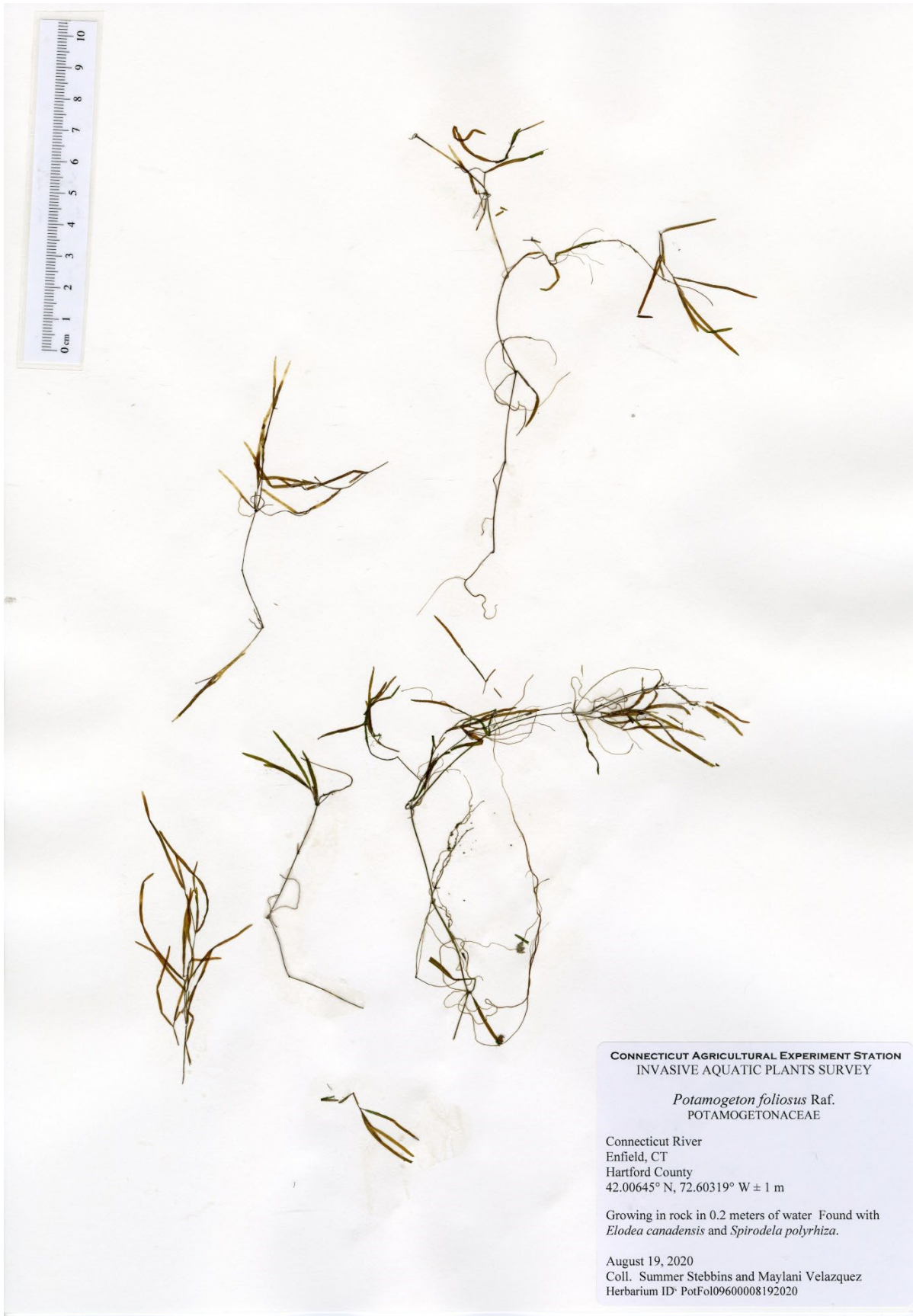
Connecticut River  
East Hampton, CT  
Middlesex County  
41.52175° N, 72.55363° W ± 1 m

Growing in silt in 0.2 meters of water Found with  
*Ludwigia* species and *Pontederia cordata*.

August 18, 2020  
Coll. Greg Bugbee  
Herbarium ID: PolSpp00300008182020







CONNECTICUT AGRICULTURAL EXPERIMENT STATION  
INVASIVE AQUATIC PLANTS SURVEY

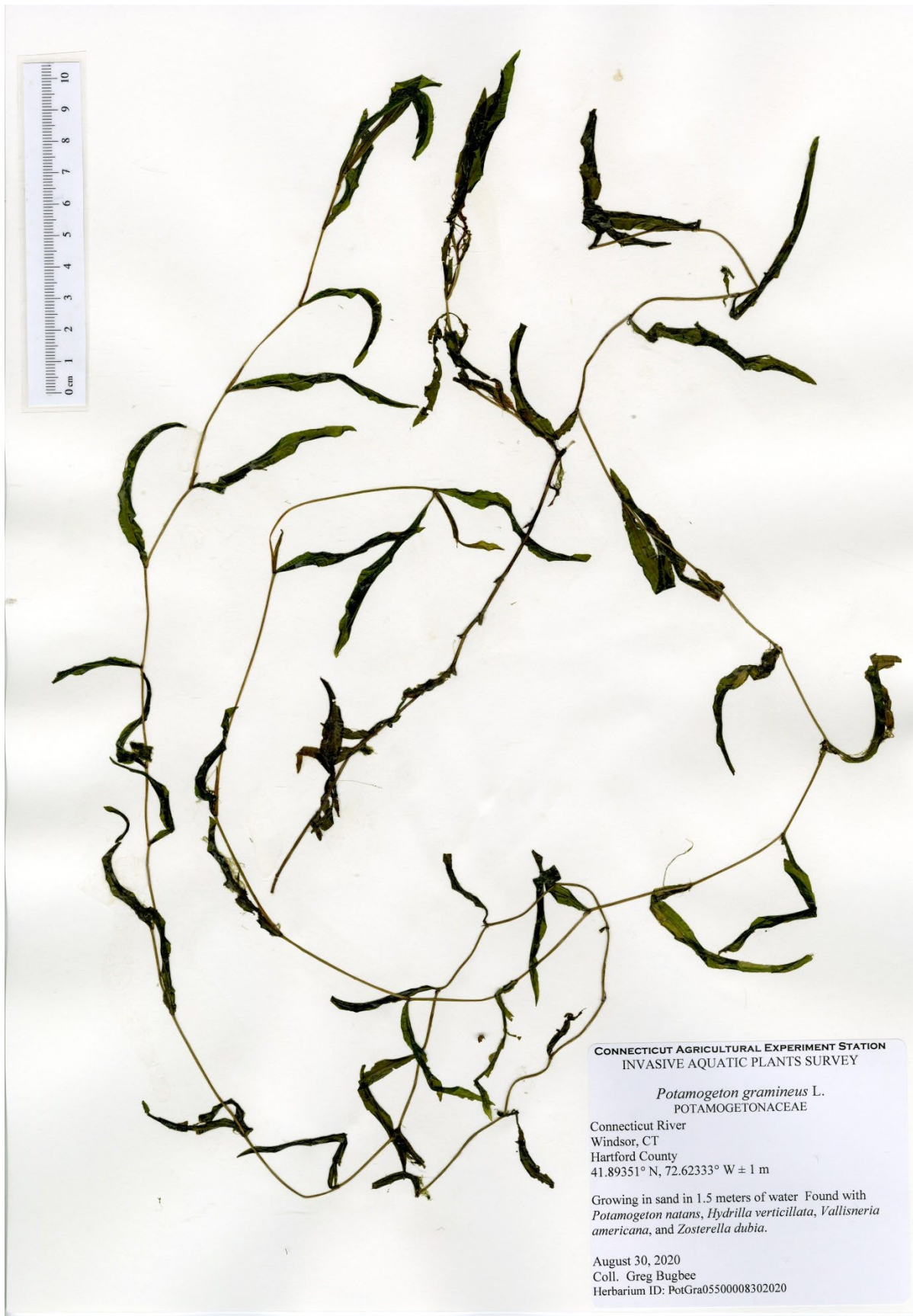
*Potamogeton foliosus* Raf.  
POTAMOGETONACEAE

Connecticut River  
Enfield, CT  
Hartford County  
42.00645° N, 72.60319° W ± 1 m

Growing in rock in 0.2 meters of water Found with  
*Elodea canadensis* and *Spirodela polyrhiza*.

August 19, 2020  
Coll. Summer Stebbins and Maylani Velazquez  
Herbarium ID: PotFol09600008192020







CONNECTICUT AGRICULTURAL EXPERIMENT STATION  
INVASIVE AQUATIC PLANTS SURVEY

*Potamogeton natans* L.  
POTAMOGETONACEAE

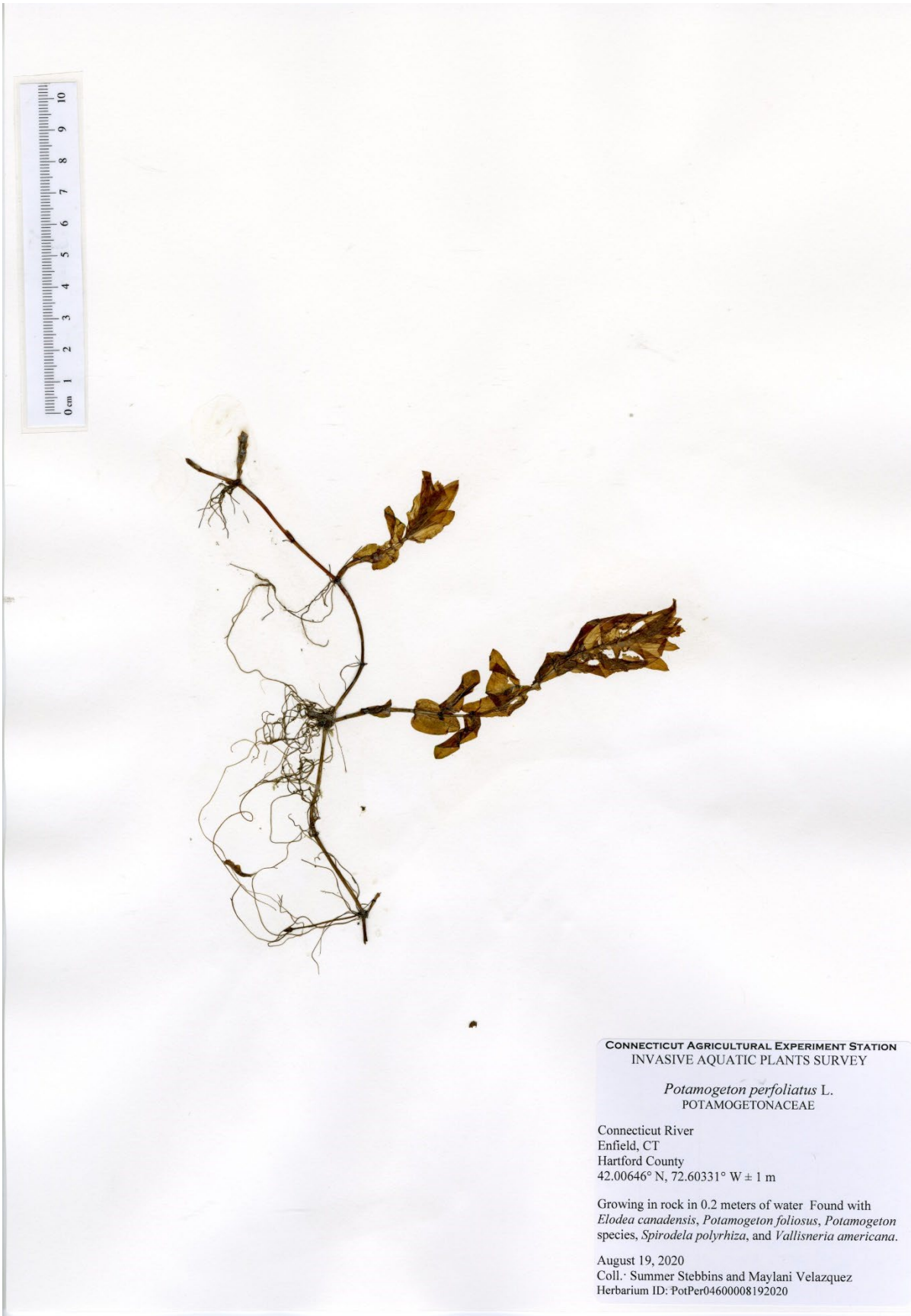
Connecticut River  
Windsor, CT  
Hartford County  
41.89351° N, 72.62333° W ± 1 m

Growing in sand in 1.5 meters of water Found with  
*Potamogeton gramineus*, *Hydrilla verticillata*,  
*Vallisneria americana*, and *Zosterella dubia*.

August 30, 2020  
Coll. Greg Bugbee  
Herbarium ID: PotNat06900008302020







CONNECTICUT AGRICULTURAL EXPERIMENT STATION  
INVASIVE AQUATIC PLANTS SURVEY

*Potamogeton perfoliatus* L.  
POTAMOGETONACEAE

Connecticut River  
Enfield, CT  
Hartford County  
42.00646° N, 72.60331° W ± 1 m

Growing in rock in 0.2 meters of water Found with  
*Elodea canadensis*, *Potamogeton foliosus*, *Potamogeton*  
species, *Spirodela polyrhiza*, and *Vallisneria americana*.

August 19, 2020  
Coll.: Summer Stebbins and Maylani Velazquez  
Herbarium ID: PotPer04600008192020







CONNECTICUT AGRICULTURAL EXPERIMENT STATION  
INVASIVE AQUATIC PLANTS SURVEY

*Sagittaria engelmanniana* J.G. Sm.  
ALISMATACEAE

Connecticut River  
Middletown, CT  
Middlesex County  
41.55881° N, 72.62194° W ± 1 m

Growing in silt in 0.3 meters of water Found with  
*Hydrilla verticillata* and *Sagittaria graminea*.

August 18, 2020  
Coll. Greg Bugbee  
Herbarium ID: SagEng00100008182020







CONNECTICUT AGRICULTURAL EXPERIMENT STATION  
INVASIVE AQUATIC PLANTS SURVEY

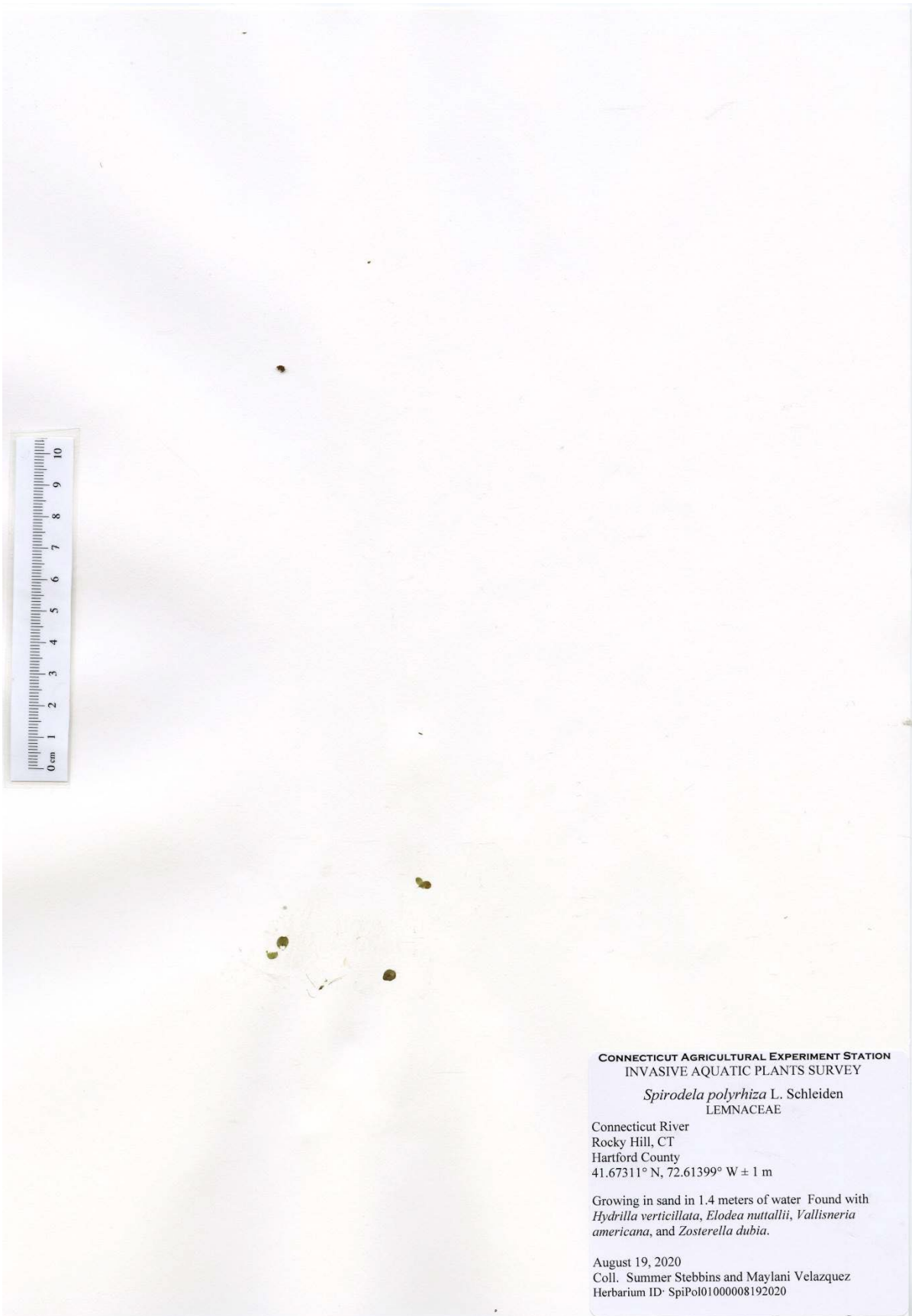
*Sagittaria graminea* Michx.  
ALISMATACEAE

Connecticut River  
Middletown, CT  
Middlesex County  
41.55881° N, 72.62194° W ± 1 m

Growing in silt in 0.3 meters of water Found with  
*Hydrilla verticillata* and *Sagittaria engelmanniana*.

August 18, 2020  
Coll. Greg Bugbee  
Herbarium ID: SagGra01300008182020





CONNECTICUT AGRICULTURAL EXPERIMENT STATION  
INVASIVE AQUATIC PLANTS SURVEY

*Spirodela polyrhiza* L. Schleiden  
LEMNACEAE

Connecticut River  
Rocky Hill, CT  
Hartford County  
41.67311° N, 72.61399° W ± 1 m

Growing in sand in 1.4 meters of water. Found with  
*Hydrilla verticillata*, *Elodea nuttallii*, *Vallisneria*  
*americana*, and *Zosterella dubia*.

August 19, 2020  
Coll. Summer Stebbins and Maylani Velazquez  
Herbarium ID: SpiPol01000008192020







## **Transect Data**





Appendix Connecticut River Transect Data (2 of 7)

Transect Point	Distance from Shore (m)	Surveyor	Latitude	Longitude	Date	Depth (m)	Substrate	CerDem	ElaSpp	EleSpp	EloCan	EloNut	HydVer	LemMin	LudSpp	MyrSpi	PolSpp	PonCor	ProtBer	PotCri	PotFol	PotIll	PotNat	PotNit	PotPer	PotSpi	SagLat	SagSpp	SpilFol	TraNat	ValAme	ZosDub			
16 1	0.5	Greg Bugbee	41.71690	-72.64549	8/19/2020	0.1	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
16 2	5	Greg Bugbee	41.71692	-72.64543	8/19/2020	0.4	Sand	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16 3	10	Greg Bugbee	41.71693	-72.64538	8/19/2020	2.0	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16 4	20	Greg Bugbee	41.71698	-72.64528	8/19/2020	5.5	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16 5	30	Greg Bugbee	41.71699	-72.64515	8/19/2020	7.5	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16 6	40	Greg Bugbee	41.71703	-72.64504	8/19/2020	7.2	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16 7	50	Greg Bugbee	41.71705	-72.64495	8/19/2020	7.2	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16 8	60	Greg Bugbee	41.71710	-72.64484	8/19/2020	7.1	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16 9	70	Greg Bugbee	41.71716	-72.64474	8/19/2020	7.0	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16 10	80	Greg Bugbee	41.71720	-72.64462	8/19/2020	7.0	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
17 1	0.5	Summer Stebbins	42.00645	-72.60301	8/19/2020	0.2	Rock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
17 2	5	Summer Stebbins	42.00643	-72.60314	8/19/2020	0.2	Rock	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17 3	10	Summer Stebbins	42.00645	-72.60319	8/19/2020	0.2	Rock	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
17 4	20	Summer Stebbins	42.00646	-72.60331	8/19/2020	0.2	Rock	0	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	2	2	2	0	0	0	0	0	0	0	0	
17 5	30	Summer Stebbins	42.00646	-72.60347	8/19/2020	0.5	Rock	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17 6	40	Summer Stebbins	42.00644	-72.60363	8/19/2020	0.4	Rock	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17 7	50	Summer Stebbins	42.00643	-72.60379	8/19/2020	0.9	Rock	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	
17 8	60	Summer Stebbins	42.00639	-72.60381	8/19/2020	0.6	Rock	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
17 9	70	Summer Stebbins	42.00639	-72.60396	8/19/2020	0.3	Rock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17 10	80	Summer Stebbins	42.00637	-72.60407	8/19/2020	0.3	Rock	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 1	0.5	Summer Stebbins	42.01941	-72.60786	8/19/2020	0.1	Silt	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18 2	5	Summer Stebbins	42.01943	-72.60780	8/19/2020	0.2	Silt	0	0	0	3	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18 3	10	Summer Stebbins	42.01942	-72.60771	8/19/2020	0.3	Silt	0	0	0	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18 4	20	Summer Stebbins	42.01944	-72.60755	8/19/2020	0.8	Rock	0	0	0	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18 5	30	Summer Stebbins	42.01948	-72.60744	8/19/2020	0.8	Rock	0	0	0	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18 6	40	Summer Stebbins	42.01946	-72.60736	8/19/2020	0.8	Rock	0	0	0	4	0	3	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18 7	50	Summer Stebbins	42.01945	-72.60721	8/19/2020	0.9	Rock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18 8	60	Summer Stebbins	42.01943	-72.60703	8/19/2020	1.7	Rock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18 9	70	Summer Stebbins	42.01941	-72.60697	8/19/2020	2.0	Rock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18 10	80	Summer Stebbins	42.01939	-72.60681	8/19/2020	2.3	Rock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 1	0.5	Summer Stebbins	42.02829	-72.60654	8/19/2020	0.1	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19 2	5	Summer Stebbins	42.02829	-72.60658	8/19/2020	0.1	Sand	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 3	10	Summer Stebbins	42.02828	-72.60664	8/19/2020	0.1	Sand	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 4	20	Summer Stebbins	42.02827	-72.60675	8/19/2020	0.4	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 5	30	Summer Stebbins	42.02826	-72.60689	8/19/2020	0.6	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 6	40	Summer Stebbins	42.02825	-72.60701	8/19/2020	0.6	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 7	50	Summer Stebbins	42.02819	-72.60713	8/19/2020	0.5	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 8	60	Summer Stebbins	42.02817	-72.60723	8/19/2020	0.3	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 9	70	Summer Stebbins	42.02813	-72.60734	8/19/2020	0.3	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 10	80	Summer Stebbins	42.02811	-72.60747	8/19/2020	1.2	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 1	0.5	Summer Stebbins	42.03727	-72.61095	8/19/2020	0.1	Sand	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 2	5	Summer Stebbins	42.03727	-72.61090	8/19/2020	0.6	Sand	2	0	0	0	0	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 3	10	Summer Stebbins	42.03730	-72.61082	8/19/2020	0.6	Sand	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 4	20	Summer Stebbins	42.03729	-72.61072	8/19/2020	0.8	Sand	2	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 5	30	Summer Stebbins	42.03728	-72.61059	8/19/2020	0.8	Sand	0	0	0	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 6	40	Summer Stebbins	42.03726	-72.61045	8/19/2020	0.8	Sand	0	0	0	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 7	50	Summer Stebbins	42.03723	-72.61026	8/19/2020	0.8	Sand	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 8	60	Summer Stebbins	42.03718	-72.61015	8/19/2020	0.8	Sand	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 9	70	Summer Stebbins	42.03716	-72.61014	8/19/2020																														









Appendix Connecticut River Transect Data (5 of 7)

Transect	Point	Distance from Shore (m)	Surveyor	Latitude	Longitude	Date	Depth (m)	Substrate	CerDem	ElaSpp	EleSpp	EloCan	EloNut	HydVer	LemMin	LudSpp	MyrSpi	PolSpp	PonCor	PotBer	PotCri	PotFol	PotHl	PotNat	PotNit	PotPer	PotSpi	SagLat	SagSpp	SpiPol	TraNat	ValAme	ZosDub				
31	1	0.5	Greg Bugbee	41.55525	-72.57691	8/18/2020	0.1	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
31	2	5	Greg Bugbee	41.55531	-72.57690	8/18/2020	0.3	Sand	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	3	10	Greg Bugbee	41.55535	-72.57691	8/18/2020	1.0	Sand	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	4	20	Greg Bugbee	41.55542	-72.57689	8/18/2020	1.2	Sand	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	5	30	Greg Bugbee	41.55553	-72.57695	8/18/2020	2.0	Sand	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	6	40	Greg Bugbee	41.55564	-72.57699	8/18/2020	3.0	Sand	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	7	50	Greg Bugbee	41.55573	-72.57689	8/18/2020	3.2	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	8	60	Greg Bugbee	41.55580	-72.57701	8/18/2020	3.6	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	9	70	Greg Bugbee	41.55588	-72.57708	8/18/2020	3.6	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	10	80	Greg Bugbee	41.55600	-72.57707	8/18/2020	3.6	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
32	1	0.5	Greg Bugbee	41.52908	-72.55684	8/18/2020	0.1	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
32	2	5	Greg Bugbee	41.52906	-72.55679	8/18/2020	1.3	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
32	3	10	Greg Bugbee	41.52906	-72.55672	8/18/2020	1.6	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
32	4	20	Greg Bugbee	41.52905	-72.55661	8/18/2020	3.8	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
32	5	30	Greg Bugbee	41.52907	-72.55646	8/18/2020	4.0	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
32	6	40	Greg Bugbee	41.52907	-72.55635	8/18/2020	4.5	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
32	7	50	Greg Bugbee	41.52905	-72.55620	8/18/2020	4.6	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
32	8	60	Greg Bugbee	41.52905	-72.55610	8/18/2020	4.4	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
32	9	70	Greg Bugbee	41.52901	-72.55697	8/18/2020	4.5	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
32	10	80	Greg Bugbee	41.52897	-72.55586	8/18/2020	4.2	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
33	1	0.5	Greg Bugbee	41.51290	-72.55803	8/18/2020	0.8	Gravel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
33	2	5	Greg Bugbee	41.51291	-72.55797	8/18/2020	2.0	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	3	10	Greg Bugbee	41.51291	-72.55789	8/18/2020	3.0	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	4	20	Greg Bugbee	41.51299	-72.55780	8/18/2020	6.5	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	5	30	Greg Bugbee	41.51302	-72.55767	8/18/2020	8.0	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	6	40	Greg Bugbee	41.51311	-72.55761	8/18/2020	7.8	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	7	50	Greg Bugbee	41.51319	-72.55754	8/18/2020	7.3	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	8	60	Greg Bugbee	41.51325	-72.55735	8/18/2020	7.0	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	9	70	Greg Bugbee	41.51333	-72.55730	8/18/2020	6.0	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	10	80	Greg Bugbee	41.51341	-72.55729	8/18/2020	6.0	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	1	0.5	Greg Bugbee	41.52175	-72.55363	8/18/2020	0.2	Silt	0	0	0	0	0	0	0	2	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	2	5	Greg Bugbee	41.52171	-72.55363	8/18/2020	0.3	Silt	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	3	10	Greg Bugbee	41.52165	-72.55367	8/18/2020	0.8	Silt	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	4	20	Greg Bugbee	41.52155	-72.55365	8/18/2020	1.0	Silt	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	5	30	Greg Bugbee	41.52146	-72.55362	8/18/2020	1.0	Silt	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	6	40	Greg Bugbee	41.52137	-72.55359	8/18/2020	1.0	Silt	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	7	50	Greg Bugbee	41.52130	-72.55359	8/18/2020	1.0	Silt	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	8	60	Greg Bugbee	41.52119	-72.55363	8/18/2020	1.0	Silt	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	9	70	Greg Bugbee	41.52110	-72.55363	8/18/2020	1.0	Silt	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34	10	80	Greg Bugbee	41.52100	-72.55363	8/18/2020	1.0	Silt	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
35	1	5	Greg Bugbee	41.54626	-72.54982	8/18/2020	0.2	Gravel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
35	2	5	Greg Bugbee	41.54622	-72.54988	8/18/2020	0.6	Gravel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	3	10	Greg Bugbee	41.54620	-72.54992	8/18/2020	1.3	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	4	20	Greg Bugbee	41.54619	-72.55002	8/18/2020	3.8	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	5	30	Greg Bugbee	41.54612	-72.55012	8/18/2020	7.0	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	6	40	Greg Bugbee	41.54615	-72.55024	8/18/2020	7.0	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	7	50	Greg Bugbee	41.54616	-72.55039	8/18/2020	6.5	Sand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	8	60	Greg Bugbee	41.54615	-72.55055	8/18																															







## **Invasive Aquatic Plant Locations**

## Appendix Connecticut River Invasive Plant Location Data (1 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	7/8/2020	41.510298	-72.556749	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.513283	-72.558227	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.514103	-72.558690	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.514641	-72.558878	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.515606	-72.558869	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.516972	-72.558894	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.517208	-72.559079	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.517209	-72.559088	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.518215	-72.559131	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.518837	-72.559059	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.518931	-72.559041	0-1	1	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.527642	-72.557456	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.528679	-72.556892	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.528896	-72.556786	0-1	1	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.529217	-72.556636	0-1	1	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.529590	-72.556410	0-1	1	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.529623	-72.556391	0-1	1	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.529655	-72.556367	0-1	1	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.529773	-72.556303	0-1	1	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.530822	-72.555712	0-1	1	0.0002
HydVer		Point	7/8/2020	41.534781	-72.549591	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.533109	-72.550032	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.532984	-72.550053	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.532848	-72.550077	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.532623	-72.550143	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.531785	-72.550410	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.530982	-72.550962	0-1	1	0.0002
HydVer	With ValAme	Point	7/8/2020	41.524722	-72.553222	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.512575	-72.552934	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.512596	-72.552941	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.514649	-72.552863	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.535805	-72.549431	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.538540	-72.549037	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.538817	-72.549068	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.548309	-72.550891	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.548395	-72.550987	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.548572	-72.551073	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.548597	-72.551109	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.548621	-72.551145	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.549400	-72.551544	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.549430	-72.551557	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.549546	-72.551618	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554434	-72.557258	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554446	-72.557325	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554478	-72.557398	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554531	-72.557474	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554619	-72.557621	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554691	-72.557825	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554809	-72.558115	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.555019	-72.558695	0-1	1	0.0002

## Appendix Connecticut River Invasive Plant Location Data (2 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	7/9/2020	41.556371	-72.562987	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.556399	-72.563102	0-1	1	0.0002
HydVer		Point	7/9/2020	41.545952	-72.553852	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.544705	-72.553444	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.544655	-72.553417	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.544598	-72.553379	0-1	1	0.0002
HydVer	With ValAme	Point	7/9/2020	41.544547	-72.553350	0-1	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556650	-72.584061	0-2	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556700	-72.584497	0-2	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556829	-72.585304	0-2	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.561258	-72.610877	0-2	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.561174	-72.611319	0-2	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557537	-72.568182	0-2	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558863	-72.572724	0-1	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559352	-72.589384	0-2	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559305	-72.590145	0-2	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559294	-72.590597	0-2	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559326	-72.594109	0-2	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557352	-72.595431	0-2	1	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557309	-72.595293	0-2	1	0.0002
HydVer		Point	7/29/2020	41.568612	-72.646522	0-2	1	0.0002
HydVer		Point	7/29/2020	41.582046	-72.643213	2-4	1	0.0002
HydVer		Point	7/29/2020	41.582697	-72.642812	1-3	1	0.0002
HydVer		Point	7/29/2020	41.583037	-72.642624	1-3	1	0.0002
HydVer		Point	7/29/2020	41.583444	-72.642459	1-3	1	0.0002
HydVer		Point	7/29/2020	41.583463	-72.642427	1-3	1	0.0002
HydVer		Point	7/29/2020	41.583500	-72.642392	1-3	1	0.0002
HydVer		Point	7/30/2020	41.589926	-72.642211	0-2	1	0.0002
HydVer		Point	7/30/2020	41.590774	-72.641980	0-2	1	0.0002
HydVer		Point	8/6/2020	41.753072	-72.656071	0-1	1	0.0002
HydVer		Point	8/6/2020	41.755365	-72.659064	0-1	1	0.0002
HydVer		Point	8/6/2020	41.755514	-72.659237	0-1	1	0.0002
HydVer		Point	8/6/2020	41.763430	-72.666135	0-1	1	0.0002
HydVer		Point	8/6/2020	41.775281	-72.663930	0-1	1	0.0002
HydVer		Point	8/11/2020	42.022129	-72.608702	0-2	1	0.0002
HydVer		Point	8/11/2020	42.026254	-72.609816	0-2	1	0.0002
HydVer		Patch	7/8/2020	41.525771	-72.552887	0-1	1	0.020190
HydVer	With ValAme	Patch	8/11/2020	42.040150	-72.610531	1-3	1	0.316749
HydVer		Patch	8/11/2020	42.031992	-72.610843	1-3	1	0.580262
HydVer	With ValAme	Patch	8/6/2020	41.745763	-72.646554	0-2	1	1.272547
HydVer	With ValAme	Patch	8/11/2020	42.011414	-72.603072	1-3	1	3.317559
HydVer	With ValAme	Point	7/8/2020	41.512782	-72.557791	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.513739	-72.558504	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.514009	-72.558686	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.514041	-72.558686	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.514484	-72.558846	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.514685	-72.558884	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.515027	-72.558892	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.515095	-72.558911	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.516003	-72.558737	0-1	2	0.0002



## Appendix Connecticut River Invasive Plant Location Data (3 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	7/8/2020	41.519468	-72.558862	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.521377	-72.558393	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.521732	-72.558300	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.521911	-72.558246	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.523494	-72.558336	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.523563	-72.558382	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.523570	-72.558407	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.527739	-72.557350	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.527898	-72.557293	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.528489	-72.556986	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.528710	-72.556863	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.529094	-72.556714	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.529165	-72.556662	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.529510	-72.556453	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.530214	-72.556036	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.530335	-72.555971	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.530537	-72.555876	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.530676	-72.555794	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.530747	-72.555733	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.530869	-72.555672	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.531064	-72.555572	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.531124	-72.555525	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.531233	-72.555460	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.531302	-72.555427	0-1	2	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.531324	-72.555401	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.532042	-72.550312	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.531407	-72.550659	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.531318	-72.550697	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.526092	-72.552716	0-1	2	0.0002
HydVer	With ValAme	Point	7/8/2020	41.525665	-72.552927	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.511643	-72.552626	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.511813	-72.552716	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.514157	-72.552925	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.514461	-72.552910	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.515076	-72.552857	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.535310	-72.549545	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.536841	-72.549208	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.537844	-72.549059	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.538695	-72.549053	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.539036	-72.549126	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.539137	-72.549150	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.539586	-72.549135	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.540196	-72.549221	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.546310	-72.550074	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.546392	-72.550082	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.548502	-72.551027	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.549640	-72.551676	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.549740	-72.551759	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.551662	-72.553602	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.551822	-72.553844	0-1	2	0.0002

Appendix Connecticut River Invasive Plant Location Data (4 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	7/9/2020	41.551840	-72.553877	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.551863	-72.553956	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.552298	-72.554276	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.552413	-72.554364	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.552443	-72.554399	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554247	-72.556923	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554333	-72.557085	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554417	-72.557188	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554594	-72.557565	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554650	-72.557743	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554776	-72.558004	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554858	-72.558283	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554981	-72.558552	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.555472	-72.560131	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.555570	-72.560532	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.555631	-72.560678	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.556293	-72.562589	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545900	-72.553858	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545860	-72.553835	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545802	-72.553809	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545710	-72.553802	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545540	-72.553749	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545509	-72.553735	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545479	-72.553721	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545349	-72.553673	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545292	-72.553669	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545225	-72.553634	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545184	-72.553594	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545124	-72.553569	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.545052	-72.553558	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.544989	-72.553550	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.544893	-72.553518	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.544837	-72.553491	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.544788	-72.553472	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.544497	-72.553346	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.544356	-72.553331	0-1	2	0.0002
HydVer	With ValAme	Point	7/9/2020	41.544285	-72.553296	0-1	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.553667	-72.567340	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.553712	-72.567524	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.553732	-72.567715	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.553752	-72.567821	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.553784	-72.567944	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.553792	-72.567991	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.553869	-72.568386	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.553868	-72.568435	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556667	-72.583889	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556764	-72.584846	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556783	-72.584980	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556813	-72.585222	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556847	-72.585404	0-2	2	0.0002

## Appendix Connecticut River Invasive Plant Location Data (5 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	7/29/2020	41.560437	-72.614339	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556634	-72.564465	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556615	-72.564502	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556636	-72.564548	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556630	-72.564568	1-3	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556869	-72.565390	0-1	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556921	-72.565653	0-1	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556976	-72.566051	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557086	-72.566348	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557231	-72.567209	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557407	-72.567773	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557820	-72.569089	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557839	-72.569092	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557901	-72.569383	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557904	-72.569408	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557906	-72.569446	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557944	-72.569548	0-1	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557964	-72.569623	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558018	-72.569729	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558064	-72.569994	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558087	-72.569994	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558098	-72.570035	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558119	-72.570059	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558125	-72.570100	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558130	-72.570135	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558126	-72.570165	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558619	-72.572017	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558723	-72.572508	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558749	-72.572606	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558783	-72.572637	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558824	-72.572889	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558841	-72.572952	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558925	-72.573230	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558918	-72.573453	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559034	-72.575174	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559050	-72.575289	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559017	-72.575715	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559036	-72.575780	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559012	-72.576058	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559006	-72.576097	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559000	-72.576131	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558994	-72.576172	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559149	-72.577760	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559159	-72.577925	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559237	-72.583525	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559306	-72.586308	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559290	-72.586433	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559341	-72.586600	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559336	-72.586604	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559372	-72.586706	0-2	2	0.0002



Appendix Connecticut River Invasive Plant Location Data (6 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	7/29/2020	41.559329	-72.586965	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559339	-72.587015	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559362	-72.587008	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559330	-72.587222	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559335	-72.587265	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559315	-72.587425	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559321	-72.587473	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559326	-72.587496	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559333	-72.587524	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559352	-72.588863	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559348	-72.588964	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559390	-72.589043	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559359	-72.589191	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559344	-72.589237	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559365	-72.589454	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559317	-72.589697	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559319	-72.589878	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559311	-72.593913	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559346	-72.594169	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559339	-72.594340	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559732	-72.596089	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.560742	-72.600890	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.560750	-72.600971	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.560756	-72.601005	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.561351	-72.602171	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.561343	-72.602225	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.561121	-72.606494	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.561086	-72.606409	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558771	-72.601357	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.558627	-72.601081	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557525	-72.596491	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563259	-72.605133	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563276	-72.605195	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563421	-72.605570	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563465	-72.605817	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563467	-72.605779	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563473	-72.605877	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563516	-72.606002	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563512	-72.606074	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563713	-72.606775	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563772	-72.607045	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563797	-72.607125	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563807	-72.607160	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563820	-72.607221	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563824	-72.607265	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563848	-72.607423	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563878	-72.607508	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563897	-72.607567	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563950	-72.607869	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.564010	-72.608146	0-2	2	0.0002

## Appendix Connecticut River Invasive Plant Location Data (7 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	7/29/2020	41.564018	-72.608202	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.564021	-72.608250	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.564030	-72.608343	0-2	2	0.0002
HydVer	With ValAme	Point	7/29/2020	41.564054	-72.608625	0-2	2	0.0002
HydVer		Point	7/29/2020	41.561420	-72.636448	0-2	2	0.0002
HydVer		Point	7/29/2020	41.561426	-72.636698	0-2	2	0.0002
HydVer		Point	7/29/2020	41.561509	-72.638666	0-2	2	0.0002
HydVer		Point	7/29/2020	41.582108	-72.643165	1-3	2	0.0002
HydVer		Point	7/29/2020	41.582176	-72.643161	1-3	2	0.0002
HydVer		Point	7/29/2020	41.582239	-72.643082	1-3	2	0.0002
HydVer		Point	7/29/2020	41.582265	-72.643065	1-3	2	0.0002
HydVer		Point	7/29/2020	41.583563	-72.642359	1-3	2	0.0002
HydVer		Point	7/29/2020	41.583646	-72.642310	1-3	2	0.0002
HydVer		Point	7/29/2020	41.583724	-72.642284	1-3	2	0.0002
HydVer		Point	7/29/2020	41.583749	-72.642273	1-3	2	0.0002
HydVer		Point	7/29/2020	41.583960	-72.642148	1-3	2	0.0002
HydVer		Point	7/30/2020	41.590540	-72.642003	0-2	2	0.0002
HydVer		Point	7/30/2020	41.590605	-72.641984	0-2	2	0.0002
HydVer		Point	7/30/2020	41.590858	-72.641959	0-2	2	0.0002
HydVer		Point	7/30/2020	41.590938	-72.641929	0-2	2	0.0002
HydVer		Point	7/30/2020	41.591031	-72.641888	0-2	2	0.0002
HydVer		Point	7/30/2020	41.591150	-72.641831	0-2	2	0.0002
HydVer		Point	7/30/2020	41.591205	-72.641806	0-2	2	0.0002
HydVer		Point	7/30/2020	41.593307	-72.640725	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.569666	-72.648741	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.572697	-72.648604	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.572741	-72.648612	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.572903	-72.648540	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.573099	-72.648489	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.576510	-72.647339	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.577060	-72.647190	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.577227	-72.647144	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.577273	-72.647145	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.577322	-72.647136	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.577599	-72.647066	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.577635	-72.647061	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.577714	-72.647046	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.577851	-72.647028	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.577879	-72.647018	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.577949	-72.646987	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.578113	-72.646975	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.578221	-72.646956	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.578265	-72.646962	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.578303	-72.646955	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.578429	-72.646921	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.578468	-72.646907	0-2	2	0.0002
HydVer		Point	7/30/2020	41.579430	-72.648198	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.577543	-72.649768	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.577513	-72.649780	0-2	2	0.0002
HydVer		Point	7/30/2020	41.590257	-72.666587	0-2	2	0.0002

Appendix Connecticut River Invasive Plant Location Data (8 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer		Point	7/30/2020	41.598700	-72.672492	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.592428	-72.636362	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.598733	-72.628887	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.598760	-72.628841	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.598856	-72.628705	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.598879	-72.628673	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.598994	-72.628498	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.599052	-72.628386	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.599192	-72.628070	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.599369	-72.627776	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.599632	-72.627165	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.599684	-72.627027	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.599913	-72.626242	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.599938	-72.626099	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.599980	-72.625897	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.600010	-72.625838	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.600059	-72.625512	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.600062	-72.625450	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.600065	-72.625402	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.599972	-72.624113	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.599959	-72.624032	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.600625	-72.618126	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.600664	-72.618036	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.600698	-72.617955	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.601794	-72.616355	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.601919	-72.616074	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.602107	-72.615788	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.610813	-72.614274	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.610643	-72.614242	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.610572	-72.614049	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.610605	-72.614025	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.610584	-72.613802	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.610022	-72.613613	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.609888	-72.613464	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.609646	-72.613149	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.602832	-72.616161	0-2	2	0.0002
HydVer	With ValAme	Point	7/30/2020	41.602526	-72.616701	0-2	2	0.0002
HydVer		Point	8/3/2020	41.698937	-72.636719	0-2	2	0.0002
HydVer		Point	8/3/2020	41.699174	-72.636458	0-2	2	0.0002
HydVer		Point	8/3/2020	41.699283	-72.636341	0-2	2	0.0002
HydVer		Point	8/3/2020	41.699329	-72.636282	0-2	2	0.0002
HydVer		Point	8/3/2020	41.611391	-72.612380	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.612398	-72.613399	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.612691	-72.613831	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.612740	-72.613888	0-2	2	0.0002
HydVer		Point	8/3/2020	41.625316	-72.627527	0-2	2	0.0002
HydVer		Point	8/3/2020	41.625455	-72.627524	0-2	2	0.0002
HydVer		Point	8/3/2020	41.625496	-72.627565	0-2	2	0.0002
HydVer		Point	8/3/2020	41.625658	-72.627655	0-2	2	0.0002
HydVer		Point	8/3/2020	41.626722	-72.628251	0-2	2	0.0002



## Appendix Connecticut River Invasive Plant Location Data (9 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer		Point	8/3/2020	41.626883	-72.628120	0-2	2	0.0002
HydVer		Point	8/3/2020	41.626912	-72.628098	0-2	2	0.0002
HydVer		Point	8/3/2020	41.627194	-72.628128	0-2	2	0.0002
HydVer		Point	8/3/2020	41.628465	-72.628240	0-2	2	0.0002
HydVer		Point	8/3/2020	41.628738	-72.628294	0-2	2	0.0002
HydVer		Point	8/3/2020	41.628791	-72.628311	0-2	2	0.0002
HydVer		Point	8/3/2020	41.628829	-72.628326	0-2	2	0.0002
HydVer		Point	8/3/2020	41.628860	-72.628336	0-2	2	0.0002
HydVer		Point	8/3/2020	41.628891	-72.628345	0-2	2	0.0002
HydVer		Point	8/3/2020	41.628942	-72.628354	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.629363	-72.628407	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.629491	-72.628429	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.629516	-72.628432	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.636031	-72.628097	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.638412	-72.627021	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.638468	-72.626998	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.638505	-72.626978	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.638544	-72.626956	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.638733	-72.626867	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.638851	-72.626796	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.638905	-72.626760	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.640619	-72.625584	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.640668	-72.625581	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.640769	-72.625563	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.640812	-72.625538	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.640830	-72.625526	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.640870	-72.625493	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.641074	-72.625330	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.641703	-72.624793	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.641895	-72.624643	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.642015	-72.624504	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.642272	-72.624272	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.642307	-72.624246	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.643708	-72.623433	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.644401	-72.622936	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.646733	-72.622047	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.646794	-72.622030	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.647132	-72.622018	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.652264	-72.622913	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.652307	-72.622925	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.653770	-72.623418	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.653972	-72.623510	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.654023	-72.623517	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.654286	-72.623614	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.654399	-72.623647	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.654450	-72.623659	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.654615	-72.623734	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.654710	-72.623792	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.654836	-72.623844	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.654870	-72.623847	0-2	2	0.0002

Appendix Connecticut River Invasive Plant Location Data (10 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	8/3/2020	41.654921	-72.623854	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.654985	-72.623880	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.655301	-72.624066	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.655963	-72.624387	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.656141	-72.624457	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.656197	-72.624472	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.656820	-72.624816	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.658522	-72.625595	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.658582	-72.625612	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.658859	-72.625781	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.659240	-72.625959	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.659359	-72.626001	0-2	2	0.0002
HydVer	With ValAme; HydVer Harvesting	Point	8/3/2020	41.667199	-72.625752	0-2	2	0.0002
HydVer	With ValAme; HydVer Harvesting	Point	8/3/2020	41.667284	-72.625672	0-2	2	0.0002
HydVer	With ValAme; HydVer Harvesting	Point	8/3/2020	41.667327	-72.625640	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.667648	-72.625336	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.668534	-72.623980	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.668779	-72.623516	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.668809	-72.623447	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669602	-72.620119	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669652	-72.619518	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669663	-72.619458	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669672	-72.619321	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669664	-72.619219	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669662	-72.619167	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669664	-72.619116	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669672	-72.619040	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669740	-72.618628	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669757	-72.618524	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669763	-72.618485	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669825	-72.618210	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.670115	-72.617011	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.670123	-72.616948	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.671049	-72.613518	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.672457	-72.610391	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.672455	-72.610327	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.672462	-72.610259	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.672476	-72.610194	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.672499	-72.610139	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.672532	-72.610094	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.672566	-72.610051	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.672591	-72.610002	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.672605	-72.609946	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.673034	-72.609282	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.681313	-72.608106	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.687995	-72.613657	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690110	-72.619589	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690251	-72.622254	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690237	-72.622330	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690237	-72.622357	0-2	2	0.0002

## Appendix Connecticut River Invasive Plant Location Data (11 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	8/3/2020	41.690241	-72.622394	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.689766	-72.628689	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.689768	-72.628761	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.689734	-72.629131	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.689754	-72.629227	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.689732	-72.629439	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.689742	-72.629506	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.689749	-72.629664	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.689751	-72.629798	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.689748	-72.629910	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.689820	-72.630622	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690007	-72.632072	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690026	-72.632175	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690059	-72.632296	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690137	-72.632638	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690153	-72.632739	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690172	-72.632831	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690185	-72.632880	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690211	-72.632951	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690260	-72.633084	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690278	-72.633165	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690305	-72.633274	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690338	-72.633354	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690380	-72.633441	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690397	-72.633497	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690416	-72.633583	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690444	-72.633671	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690486	-72.633733	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690547	-72.633833	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690606	-72.634069	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690640	-72.634104	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690703	-72.634179	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690725	-72.634219	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690753	-72.634306	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690847	-72.634474	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690877	-72.634529	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690896	-72.634560	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690920	-72.634597	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690947	-72.634634	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.690971	-72.634672	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.691024	-72.634753	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.691134	-72.634915	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.691273	-72.635087	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.691451	-72.635291	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.691532	-72.635380	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.691607	-72.635475	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.691633	-72.635505	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.691794	-72.635640	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.691839	-72.635674	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.695643	-72.635551	0-2	2	0.0002



## Appendix Connecticut River Invasive Plant Location Data (12 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	8/3/2020	41.695518	-72.635612	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.695591	-72.635571	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.697191	-72.634049	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.697447	-72.633725	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.697730	-72.633322	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.697755	-72.633278	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.697774	-72.633230	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.697795	-72.633168	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.697838	-72.633094	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.697872	-72.633061	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.697920	-72.633002	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.697941	-72.632961	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.697969	-72.632896	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.697990	-72.632840	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.698383	-72.632141	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.698393	-72.632093	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.698404	-72.632045	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.698417	-72.631998	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.698465	-72.631902	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.698511	-72.631832	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.698534	-72.631793	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.698566	-72.631730	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.698644	-72.631509	0-2	2	0.0002
HydVer		Point	8/3/2020	41.706152	-72.626301	0-2	2	0.0002
HydVer		Point	8/3/2020	41.706001	-72.626345	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.713530	-72.623752	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.713527	-72.623854	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.713518	-72.624008	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.713532	-72.625087	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.713555	-72.625233	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.715081	-72.639557	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.715346	-72.640164	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719539	-72.645201	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719587	-72.645258	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719656	-72.645320	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719683	-72.645334	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719817	-72.645450	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719844	-72.645489	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719869	-72.645518	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719902	-72.645548	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719969	-72.645581	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.720001	-72.645593	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.720062	-72.645627	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.720082	-72.645643	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.720156	-72.645737	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.720186	-72.645772	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.720533	-72.646050	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.720673	-72.646191	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.721160	-72.646520	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.721362	-72.646653	0-2	2	0.0002

## Appendix Connecticut River Invasive Plant Location Data (13 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	8/3/2020	41.723261	-72.647385	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.710785	-72.620561	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.711738	-72.625771	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.711847	-72.629599	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.711854	-72.629661	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.712000	-72.631237	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.714163	-72.642497	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.714175	-72.642530	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.714187	-72.642555	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.714315	-72.642681	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.714393	-72.642820	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.714411	-72.642859	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.715308	-72.643852	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.715353	-72.643934	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.715507	-72.644088	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.715546	-72.644161	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.715970	-72.644568	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.716089	-72.644650	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.716136	-72.644682	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.716172	-72.644710	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.716207	-72.644741	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.716554	-72.645087	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.716680	-72.645221	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719241	-72.647415	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719315	-72.647484	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719819	-72.647997	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.719834	-72.648048	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.720140	-72.648783	0-2	2	0.0002
HydVer	With ValAme	Point	8/3/2020	41.720382	-72.649076	0-2	2	0.0002
HydVer		Point	8/6/2020	41.752795	-72.655500	0-1	2	0.0002
HydVer		Point	8/6/2020	41.752839	-72.655600	0-1	2	0.0002
HydVer		Point	8/6/2020	41.752885	-72.655694	0-1	2	0.0002
HydVer		Point	8/6/2020	41.752930	-72.655778	0-1	2	0.0002
HydVer		Point	8/6/2020	41.753036	-72.656000	0-1	2	0.0002
HydVer		Point	8/6/2020	41.753112	-72.656147	0-1	2	0.0002
HydVer		Point	8/6/2020	41.753171	-72.656230	0-1	2	0.0002
HydVer		Point	8/6/2020	41.753430	-72.656752	0-1	2	0.0002
HydVer		Point	8/6/2020	41.753471	-72.656814	0-1	2	0.0002
HydVer		Point	8/6/2020	41.753520	-72.656881	0-1	2	0.0002
HydVer		Point	8/6/2020	41.776374	-72.661831	0-1	2	0.0002
HydVer		Point	8/6/2020	41.724804	-72.647495	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.725209	-72.647458	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.730003	-72.644170	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.730782	-72.643570	0-2	2	0.0002
HydVer		Point	8/6/2020	41.740864	-72.641112	0-2	2	0.0002
HydVer		Point	8/6/2020	41.742645	-72.641526	0-2	2	0.0002
HydVer		Point	8/6/2020	41.743176	-72.641705	0-2	2	0.0002
HydVer		Point	8/6/2020	41.743310	-72.641788	0-2	2	0.0002
HydVer		Point	8/6/2020	41.743363	-72.641788	0-2	2	0.0002
HydVer		Point	8/6/2020	41.743442	-72.641830	0-2	2	0.0002

Appendix Connecticut River Invasive Plant Location Data (14 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer		Point	8/6/2020	41.743491	-72.641840	0-2	2	0.0002
HydVer		Point	8/6/2020	41.743540	-72.641873	0-2	2	0.0002
HydVer		Point	8/6/2020	41.744093	-72.642121	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.746593	-72.643310	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.746914	-72.643564	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.746956	-72.643597	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.746998	-72.643627	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.747049	-72.643653	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.747846	-72.644243	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.748787	-72.645013	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.749246	-72.645579	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.749294	-72.645618	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.753320	-72.652042	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.754423	-72.653805	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.755245	-72.652747	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.756819	-72.657317	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.756859	-72.657351	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.756916	-72.657429	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.757098	-72.657674	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.759566	-72.660728	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.759594	-72.660762	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.759702	-72.660847	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.761108	-72.662193	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.761217	-72.662292	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.761321	-72.662405	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.761351	-72.662427	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.762252	-72.663063	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.766947	-72.664646	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.768638	-72.663995	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.768718	-72.663979	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.768755	-72.663966	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.768833	-72.663926	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.768922	-72.663869	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.768955	-72.663852	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.769079	-72.663807	0-2	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.769167	-72.663805	0-2	2	0.0002
HydVer		Point	8/6/2020	41.773169	-72.663717	1-3	2	0.0002
HydVer		Point	8/6/2020	41.773315	-72.661773	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.773692	-72.660277	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.774960	-72.659105	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.775368	-72.658730	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.775394	-72.658676	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.775495	-72.658577	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.775523	-72.658563	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.775579	-72.658532	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.776272	-72.656820	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.776271	-72.656454	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.776354	-72.654025	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.776431	-72.653523	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.777175	-72.651972	1-3	2	0.0002



## Appendix Connecticut River Invasive Plant Location Data (15 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer		Point	8/6/2020	41.782743	-72.645547	0-2	2	0.0002
HydVer		Point	8/6/2020	41.783123	-72.645775	1-3	2	0.0002
HydVer		Point	8/6/2020	41.784144	-72.645554	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.784427	-72.645513	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.786317	-72.645098	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.787521	-72.644685	1-3	2	0.0002
HydVer		Point	8/6/2020	41.787725	-72.644587	1-3	2	0.0002
HydVer		Point	8/6/2020	41.787814	-72.644525	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.787901	-72.644497	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.788033	-72.644450	1-3	2	0.0002
HydVer		Point	8/6/2020	41.788197	-72.644315	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.788332	-72.644269	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.788490	-72.644270	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.788655	-72.644155	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.788694	-72.644120	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.788735	-72.644097	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.788776	-72.644090	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.788764	-72.644068	1-3	2	0.0002
HydVer	With ValAme	Point	8/6/2020	41.791894	-72.644110	1-3	2	0.0002
HydVer		Point	8/6/2020	41.792278	-72.643929	1-3	2	0.0002
HydVer		Point	8/6/2020	41.792481	-72.643863	1-3	2	0.0002
HydVer		Point	8/6/2020	41.792968	-72.643956	1-3	2	0.0002
HydVer		Point	8/6/2020	41.793528	-72.643924	0-2	2	0.0002
HydVer		Point	8/6/2020	41.793623	-72.643919	0-2	2	0.0002
HydVer		Point	8/10/2020	41.815018	-72.642790	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.819769	-72.641141	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.819679	-72.641175	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.820513	-72.640912	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.824267	-72.638892	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.824579	-72.638687	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.825740	-72.639081	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.825723	-72.639121	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.825672	-72.639189	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.825615	-72.639221	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.825590	-72.639229	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.825565	-72.639236	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.825528	-72.639250	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.825477	-72.639301	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.825288	-72.639406	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.825233	-72.639437	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.825144	-72.639485	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.825119	-72.639497	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.824955	-72.639521	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.824802	-72.639625	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.824694	-72.639701	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.824495	-72.639619	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.824578	-72.639442	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.824124	-72.639471	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.823232	-72.640253	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.822920	-72.640448	1-3	2	0.0002

Appendix Connecticut River Invasive Plant Location Data (16 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer		Point	8/10/2020	41.824850	-72.641610	1-3	2	0.0002
HydVer		Point	8/10/2020	41.830936	-72.635481	1-3	2	0.0002
HydVer		Point	8/10/2020	41.830973	-72.635400	1-3	2	0.0002
HydVer		Point	8/10/2020	41.831147	-72.635271	1-3	2	0.0002
HydVer		Point	8/10/2020	41.831208	-72.635214	1-3	2	0.0002
HydVer		Point	8/10/2020	41.831265	-72.635170	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.831772	-72.634483	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.832305	-72.633419	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.831872	-72.638119	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.831776	-72.638201	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.831754	-72.638224	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.831727	-72.638254	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.831620	-72.638340	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.831525	-72.638395	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.835993	-72.635607	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.836003	-72.635592	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.836328	-72.635251	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.836485	-72.635133	1-3	2	0.0002
HydVer		Point	8/10/2020	41.836598	-72.635054	1-3	2	0.0002
HydVer		Point	8/10/2020	41.836736	-72.634998	1-3	2	0.0002
HydVer		Point	8/10/2020	41.836861	-72.634862	1-3	2	0.0002
HydVer		Point	8/10/2020	41.836878	-72.634836	1-3	2	0.0002
HydVer		Point	8/10/2020	41.838873	-72.633473	1-3	2	0.0002
HydVer		Point	8/10/2020	41.839013	-72.633386	1-3	2	0.0002
HydVer		Point	8/10/2020	41.839074	-72.633343	1-3	2	0.0002
HydVer		Point	8/10/2020	41.839153	-72.633287	1-3	2	0.0002
HydVer		Point	8/10/2020	41.840121	-72.632850	1-3	2	0.0002
HydVer		Point	8/10/2020	41.840196	-72.632835	1-3	2	0.0002
HydVer		Point	8/10/2020	41.840757	-72.632581	1-3	2	0.0002
HydVer		Point	8/10/2020	41.840825	-72.632544	1-3	2	0.0002
HydVer		Point	8/10/2020	41.840945	-72.632468	1-3	2	0.0002
HydVer		Point	8/10/2020	41.841163	-72.632353	1-3	2	0.0002
HydVer		Point	8/10/2020	41.844456	-72.630196	1-3	2	0.0002
HydVer		Point	8/10/2020	41.844441	-72.630239	1-3	2	0.0002
HydVer		Point	8/10/2020	41.844635	-72.631952	1-3	2	0.0002
HydVer		Point	8/10/2020	41.844669	-72.632014	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.836121	-72.632672	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.832864	-72.632939	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.833252	-72.632145	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.833293	-72.632089	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.833321	-72.632055	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.833692	-72.631537	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.834826	-72.629920	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.835442	-72.629293	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.835477	-72.629248	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.836136	-72.628787	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.836243	-72.628697	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.836432	-72.628581	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.836678	-72.628416	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.836733	-72.628368	1-3	2	0.0002

## Appendix Connecticut River Invasive Plant Location Data (17 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	8/10/2020	41.838301	-72.627657	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.838999	-72.627282	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.839058	-72.627276	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.839080	-72.627279	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.839929	-72.626892	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.846344	-72.624356	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.846520	-72.624287	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.850264	-72.622316	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.850420	-72.622248	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.851560	-72.621820	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.852237	-72.621443	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.852915	-72.621072	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.852963	-72.621037	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.864836	-72.618161	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.869076	-72.616746	1-3	2	0.0002
HydVer	With ValAme	Point	8/10/2020	41.870991	-72.617009	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	41.998649	-72.605859	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	41.999741	-72.605854	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.000863	-72.605762	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.001198	-72.605698	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.001233	-72.605696	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.001262	-72.605693	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.001291	-72.605690	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.007090	-72.603318	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.007829	-72.603356	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.008120	-72.603370	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.008155	-72.603364	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.008221	-72.603362	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.008253	-72.603367	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.008575	-72.603378	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.008874	-72.603362	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.013703	-72.602904	0-2	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.013744	-72.602963	0-2	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.013939	-72.602997	0-2	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.017191	-72.602987	0-2	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.042704	-72.610196	1-3	2	0.0002
HydVer	With ValAme	Point	8/11/2020	42.025288	-72.609619	0-2	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.840048	-72.626877	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.843492	-72.625569	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.843980	-72.625310	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.844656	-72.625158	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.845580	-72.624785	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.846116	-72.624501	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.846222	-72.624474	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.846385	-72.624358	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.846552	-72.624246	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.848641	-72.623084	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.849302	-72.622595	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.849439	-72.622550	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.850424	-72.622290	1-3	2	0.0002



## Appendix Connecticut River Invasive Plant Location Data (18 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	8/22/2020	41.851086	-72.621982	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.851421	-72.621845	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.851448	-72.621837	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.851492	-72.621824	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.851583	-72.621826	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.851733	-72.621748	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.851801	-72.621682	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.851963	-72.621594	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.852145	-72.621541	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.852195	-72.621495	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.854382	-72.620490	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.854624	-72.620474	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.856986	-72.619700	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.858472	-72.619123	1-3	2	0.0002
HydVer	With ValAme	Point	8/22/2020	41.865539	-72.617943	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.893511	-72.623810	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.894019	-72.624051	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.894684	-72.624005	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.894718	-72.624000	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.897835	-72.623568	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.897919	-72.623594	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.891548	-72.619180	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.889431	-72.619949	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.889767	-72.619985	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.889817	-72.619993	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.889873	-72.619999	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.890004	-72.620000	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.890152	-72.620036	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.869858	-72.616836	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.883583	-72.618993	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.883797	-72.618955	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.884035	-72.618985	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.884282	-72.618935	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.884622	-72.618624	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.885277	-72.618570	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.885668	-72.618583	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.886120	-72.618698	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.887341	-72.618442	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.888117	-72.618225	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.888317	-72.618243	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.888701	-72.618233	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.888988	-72.618283	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.890102	-72.618416	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.890310	-72.618395	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.890372	-72.618425	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.891459	-72.618242	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.891565	-72.618234	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.915642	-72.620939	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.920814	-72.621526	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.920971	-72.621556	1-3	2	0.0002

## Appendix Connecticut River Invasive Plant Location Data (19 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	8/30/2020	41.923634	-72.623038	1-3	2	0.0002
HydVer	With ValAme	Point	8/30/2020	41.897440	-72.622978	1-3	2	0.0002
HydVer		Point	8/31/2021	41.959640	-72.610167	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959704	-72.610166	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959720	-72.610168	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959907	-72.610226	1-3	2	0.000200
HydVer		Point	8/31/2021	41.960015	-72.610184	1-3	2	0.000200
HydVer		Point	8/31/2021	41.960235	-72.610164	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959395	-72.609808	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959151	-72.609671	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959121	-72.609647	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959107	-72.609638	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959033	-72.609585	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959014	-72.609555	1-3	2	0.000200
HydVer		Point	8/31/2021	41.958993	-72.609488	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959024	-72.609417	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959395	-72.609266	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959745	-72.609379	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959801	-72.609388	1-3	2	0.000200
HydVer		Point	8/31/2021	41.959850	-72.609384	1-3	2	0.000200
HydVer		Point	8/31/2021	41.960470	-72.609433	1-3	2	0.000200
HydVer		Point	8/31/2021	41.960795	-72.609613	1-3	2	0.000200
HydVer		Point	8/31/2021	41.946980	-72.608893	1-3	2	0.000200
HydVer		Point	8/31/2021	41.947117	-72.609016	1-3	2	0.000200
HydVer		Patch	8/10/2020	41.838274	-72.633828	1-3	2	0.008878
HydVer	With ValAme	Patch	7/30/2020	41.576318	-72.647345	0-2	2	0.028459
HydVer		Patch	8/11/2020	42.024697	-72.609475	1-3	2	0.034928
HydVer	With ValAme	Patch	7/29/2020	41.559381	-72.587737	1-3	2	0.042461
HydVer	With ValAme	Patch	8/6/2020	41.754282	-72.657991	0-2	2	0.043951
HydVer	With ValAme	Patch	7/30/2020	41.569388	-72.649457	0-2	2	0.058517
HydVer	With ValAme	Patch	7/29/2020	41.559374	-72.588266	1-3	2	0.062167
HydVer	With ValAme	Patch	7/29/2020	41.557160	-72.566899	1-3	2	0.074442
HydVer	With ValAme	Patch	8/11/2020	42.001681	-72.605579	1-3	2	0.082456
HydVer		Patch	7/30/2020	41.586220	-72.665812	0-2	2	0.122839
HydVer	With ValAme	Patch	8/11/2020	42.040102	-72.610790	0-2	2	0.170148
HydVer		Patch	8/11/2020	42.021437	-72.608549	1-3	2	0.173940
HydVer		Patch	7/9/2020	41.555887	-72.561222	0-1	2	0.186444
HydVer		Patch	8/10/2020	41.837185	-72.634579	1-3	2	0.186793
HydVer	With ValAme	Patch	8/3/2020	41.713359	-72.641239	0-2	2	0.197446
HydVer	With ValAme	Patch	8/6/2020	41.795542	-72.648717	0-2	2	0.224240
HydVer	With ValAme	Patch	8/6/2020	41.751528	-72.652304	0-2	2	0.353315
HydVer		Patch	7/9/2020	41.548605	-72.555480	0-1	2	0.394123
HydVer		Patch	8/11/2020	42.023672	-72.609107	1-3	2	0.469163
HydVer	With ValAme	Patch	7/29/2020	41.574227	-72.651435	0-2	2	0.543434
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.879699	-72.620569	0-2	2	0.549737
HydVer	With ValAme	Patch	8/3/2020	41.655314	-72.627023	0-2	2	0.640999
HydVer		Patch	8/3/2020	41.705376	-72.624826	0-2	2	0.650115
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.891127	-72.622127	0-2	2	0.858869
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.882211	-72.620947	0-2	2	0.891321
HydVer	With ValAme	Patch	8/6/2020	41.735575	-72.643807	0-2	2	0.892095

Appendix Connecticut River Invasive Plant Location Data (20 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Patch	8/3/2020	41.705627	-72.617277	0-2	2	1.178482
HydVer	With ValAme and ZosDub	Patch	8/22/2020	41.861686	-72.622704	0-2	2	3.066875
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.890556	-72.623191	0-2	2	3.381466
HydVer	With ValAme and ZosDub	Patch	8/22/2020	41.858093	-72.623727	0-2	2	4.107481
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.885314	-72.621770	0-2	2	6.225960
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.868309	-72.620688	0-2	2	6.974867
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.910784	-72.623802	0-2	2	53.851493
HydVer	With ValAme	Point	7/8/2020	41.513113	-72.558082	0-1	3	0.0002
HydVer	With ValAme	Point	7/8/2020	41.513220	-72.558147	0-1	3	0.0002
HydVer	With ValAme	Point	7/8/2020	41.515471	-72.558888	0-1	3	0.0002
HydVer	With ValAme	Point	7/8/2020	41.517029	-72.558908	0-1	3	0.0002
HydVer	With ValAme	Point	7/8/2020	41.518914	-72.559052	0-1	3	0.0002
HydVer	With ValAme	Point	7/8/2020	41.519679	-72.558806	0-1	3	0.0002
HydVer	With ValAme	Point	7/8/2020	41.524542	-72.558407	0-1	3	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.528015	-72.557192	0-1	3	0.0002
HydVer	With ValAme	Point	7/8/2020	41.528565	-72.556959	0-1	3	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.529366	-72.556554	0-1	3	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.531018	-72.555607	0-1	3	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.531177	-72.555487	0-1	3	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.531474	-72.555327	0-1	3	0.0002
HydVer	With ValAme	Point	7/8/2020	41.525641	-72.552924	0-1	3	0.0002
HydVer		Point	7/8/2020	41.525940	-72.552863	0-1	3	0.0002
HydVer		Point	7/8/2020	41.525967	-72.552789	0-1	3	0.0002
HydVer		Point	7/8/2020	41.526090	-72.552796	0-1	3	0.0002
HydVer		Point	7/8/2020	41.526011	-72.552811	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.510990	-72.552358	0-2	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.511286	-72.552429	0-2	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.511928	-72.552782	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.511966	-72.552788	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.514229	-72.552926	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.514548	-72.552907	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.514956	-72.552821	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.548129	-72.550835	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.549482	-72.551587	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.552247	-72.554159	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.552512	-72.554505	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.552536	-72.554539	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554830	-72.558194	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554891	-72.558370	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.554957	-72.558504	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.555980	-72.561920	0-1	3	0.0002
HydVer	With ValAme	Point	7/9/2020	41.556007	-72.561959	0-1	3	0.0002
HydVer		Point	7/9/2020	41.547734	-72.554784	0-1	3	0.0002
HydVer		Point	7/9/2020	41.547681	-72.554742	0-1	3	0.0002
HydVer		Point	7/9/2020	41.547654	-72.554717	0-1	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.553644	-72.567232	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.553732	-72.567571	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.553875	-72.568317	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556721	-72.584590	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556871	-72.585491	0-2	3	0.0002



Appendix Connecticut River Invasive Plant Location Data (21 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	7/29/2020	41.556900	-72.585728	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557083	-72.586696	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.560191	-72.614979	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.560150	-72.615199	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559343	-72.618038	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.564472	-72.648197	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.564635	-72.648282	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.564663	-72.648312	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.564714	-72.648368	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.564877	-72.648529	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.564924	-72.648569	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.565052	-72.648618	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559041	-72.575388	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559032	-72.575474	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559297	-72.592571	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559285	-72.592682	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559282	-72.592731	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559365	-72.594373	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.561325	-72.602275	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557404	-72.596003	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557394	-72.595930	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.557393	-72.595890	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563209	-72.604995	0-2	3	0.0002
HydVer	With ValAme	Point	7/29/2020	41.563303	-72.605291	0-2	3	0.0002
HydVer		Point	7/29/2020	41.561534	-72.638890	0-2	3	0.0002
HydVer		Point	7/29/2020	41.565969	-72.645691	0-2	3	0.0002
HydVer		Point	7/29/2020	41.584057	-72.642094	1-3	3	0.0002
HydVer		Point	7/30/2020	41.590478	-72.642002	0-2	3	0.0002
HydVer	With ValAme	Point	7/30/2020	41.569191	-72.649127	0-2	3	0.0002
HydVer	With ValAme	Point	7/30/2020	41.582805	-72.646118	0-2	3	0.0002
HydVer	With ValAme	Point	7/30/2020	41.582799	-72.646148	0-2	3	0.0002
HydVer		Point	8/3/2020	41.654576	-72.626544	0-2	3	0.0002
HydVer		Point	8/3/2020	41.664054	-72.629260	0-2	3	0.0002
HydVer		Point	8/3/2020	41.664177	-72.629237	0-2	3	0.0002
HydVer		Point	8/3/2020	41.673255	-72.613201	0-2	3	0.0002
HydVer		Point	8/3/2020	41.687974	-72.619031	0-2	3	0.0002
HydVer		Point	8/3/2020	41.687997	-72.619195	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.612804	-72.613961	0-2	3	0.0002
HydVer		Point	8/3/2020	41.625775	-72.627672	0-2	3	0.0002
HydVer		Point	8/3/2020	41.625983	-72.627754	0-2	3	0.0002
HydVer		Point	8/3/2020	41.626028	-72.627757	0-2	3	0.0002
HydVer		Point	8/3/2020	41.626135	-72.627785	0-2	3	0.0002
HydVer		Point	8/3/2020	41.629580	-72.629147	0-2	3	0.0002
HydVer		Point	8/3/2020	41.628367	-72.628215	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.659063	-72.625858	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.659133	-72.625911	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.659494	-72.626074	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.659659	-72.626147	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.659773	-72.626193	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.659976	-72.626283	0-2	3	0.0002

Appendix Connecticut River Invasive Plant Location Data (22 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	8/3/2020	41.660035	-72.626313	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.660224	-72.626409	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.662683	-72.627129	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.665393	-72.626488	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.665435	-72.626488	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.668828	-72.623388	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669158	-72.622551	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669590	-72.620288	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.699367	-72.628458	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.699430	-72.628381	0-2	3	0.0002
HydVer		Point	8/3/2020	41.707268	-72.618581	0-2	3	0.0002
HydVer		Point	8/3/2020	41.706071	-72.626332	0-2	3	0.0002
HydVer		Point	8/3/2020	41.705930	-72.626357	0-2	3	0.0002
HydVer		Point	8/3/2020	41.705895	-72.626384	0-2	3	0.0002
HydVer		Point	8/3/2020	41.713045	-72.619836	0-2	3	0.0002
HydVer	With ValAme	Point	8/3/2020	41.713530	-72.623642	0-2	3	0.0002
HydVer		Point	8/6/2020	41.756956	-72.660903	0-1	3	0.0002
HydVer		Point	8/6/2020	41.757020	-72.660959	0-1	3	0.0002
HydVer		Point	8/6/2020	41.757091	-72.661071	0-1	3	0.0002
HydVer		Point	8/6/2020	41.757131	-72.661191	0-1	3	0.0002
HydVer		Point	8/6/2020	41.757178	-72.661283	0-1	3	0.0002
HydVer		Point	8/6/2020	41.757658	-72.661748	0-1	3	0.0002
HydVer		Point	8/6/2020	41.762213	-72.665671	0-1	3	0.0002
HydVer		Point	8/6/2020	41.775177	-72.664077	0-1	3	0.0002
HydVer		Point	8/6/2020	41.775473	-72.663650	0-1	3	0.0002
HydVer		Point	8/6/2020	41.775519	-72.663529	0-1	3	0.0002
HydVer		Point	8/6/2020	41.775842	-72.662849	0-1	3	0.0002
HydVer		Point	8/6/2020	41.775870	-72.662760	0-1	3	0.0002
HydVer		Point	8/6/2020	41.775890	-72.662707	0-1	3	0.0002
HydVer		Point	8/6/2020	41.776005	-72.662546	0-1	3	0.0002
HydVer		Point	8/6/2020	41.776055	-72.662430	0-1	3	0.0002
HydVer		Point	8/6/2020	41.776272	-72.662059	0-1	3	0.0002
HydVer		Point	8/6/2020	41.776412	-72.661739	0-1	3	0.0002
HydVer		Point	8/6/2020	41.776464	-72.661661	0-1	3	0.0002
HydVer		Point	8/6/2020	41.776532	-72.661500	0-1	3	0.0002
HydVer		Point	8/6/2020	41.776880	-72.660762	0-1	3	0.0002
HydVer		Point	8/6/2020	41.776988	-72.660448	0-1	3	0.0002
HydVer		Point	8/6/2020	41.777610	-72.659244	0-1	3	0.0002
HydVer		Point	8/6/2020	41.778176	-72.653356	0-1	3	0.0002
HydVer		Point	8/6/2020	41.781558	-72.649749	0-1	3	0.0002
HydVer		Point	8/6/2020	41.793673	-72.643931	0-2	3	0.0002
HydVer		Point	8/6/2020	41.793761	-72.643931	0-2	3	0.0002
HydVer		Point	8/6/2020	41.793826	-72.643947	0-2	3	0.0002
HydVer		Point	8/6/2020	41.793909	-72.643948	0-2	3	0.0002
HydVer		Point	8/6/2020	41.793977	-72.643944	0-2	3	0.0002
HydVer		Point	8/6/2020	41.794060	-72.643950	0-2	3	0.0002
HydVer		Point	8/6/2020	41.794126	-72.643958	0-2	3	0.0002
HydVer		Point	8/6/2020	41.794157	-72.643958	0-2	3	0.0002
HydVer		Point	8/6/2020	41.794224	-72.643946	0-2	3	0.0002
HydVer		Point	8/6/2020	41.805537	-72.643896	0-2	3	0.0002

## Appendix Connecticut River Invasive Plant Location Data (23 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer		Point	8/6/2020	41.806536	-72.643814	0-2	3	0.0002
HydVer		Point	8/6/2020	41.807219	-72.643827	0-2	3	0.0002
HydVer		Point	8/6/2020	41.807544	-72.643675	0-2	3	0.0002
HydVer		Point	8/6/2020	41.807569	-72.643674	0-2	3	0.0002
HydVer		Point	8/6/2020	41.807827	-72.643640	0-2	3	0.0002
HydVer		Point	8/10/2020	41.844450	-72.629704	1-3	3	0.0002
HydVer		Point	8/10/2020	41.844443	-72.629766	1-3	3	0.0002
HydVer		Point	8/10/2020	41.844433	-72.629828	1-3	3	0.0002
HydVer	With ValAme	Point	8/10/2020	41.845233	-72.634275	1-3	3	0.0002
HydVer	With ValAme	Point	8/10/2020	41.844966	-72.635335	0-1	3	0.0002
HydVer		Point	8/11/2020	42.022284	-72.608727	0-2	3	0.0002
HydVer		Point	8/11/2020	42.022366	-72.608741	0-2	3	0.0002
HydVer		Point	8/11/2020	42.022503	-72.608787	0-2	3	0.0002
HydVer		Point	8/11/2020	42.022792	-72.608828	0-2	3	0.0002
HydVer		Point	8/11/2020	42.022936	-72.608833	0-2	3	0.0002
HydVer		Point	8/11/2020	42.024385	-72.609360	0-2	3	0.0002
HydVer		Point	8/11/2020	42.024471	-72.609384	0-2	3	0.0002
HydVer		Point	8/11/2020	42.024537	-72.609393	0-2	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.826272	-72.641829	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.827193	-72.641394	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.827805	-72.641365	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.828079	-72.641079	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.829062	-72.640583	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.830652	-72.639439	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.830695	-72.639364	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.830721	-72.639293	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.830784	-72.639100	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.830879	-72.638893	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.830994	-72.638595	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.831145	-72.638301	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.831177	-72.638249	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.831226	-72.638162	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.831466	-72.637830	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.831685	-72.637756	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.831707	-72.637723	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.831746	-72.637648	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.831778	-72.637568	1-3	3	0.0002
HydVer	With ValAme	Point	8/22/2020	41.831827	-72.637482	1-3	3	0.0002
HydVer		Point	8/22/2020	41.833371	-72.634673	1-3	3	0.0002
HydVer		Point	8/22/2020	41.835913	-72.630250	1-3	3	0.0002
HydVer		Point	8/22/2020	41.836216	-72.630197	1-3	3	0.0002
HydVer		Point	8/22/2020	41.836361	-72.630237	1-3	3	0.0002
HydVer		Point	8/22/2020	41.836530	-72.630226	1-3	3	0.0002
HydVer		Point	8/22/2020	41.836663	-72.630122	1-3	3	0.0002
HydVer		Point	8/22/2020	41.836748	-72.630038	1-3	3	0.0002
HydVer		Point	8/22/2020	41.837399	-72.629045	1-3	3	0.0002
HydVer	With ValAme	Point	8/30/2020	41.898144	-72.623414	1-3	3	0.0002
HydVer		Point	8/31/2021	41.981220	-72.606371	1-3	3	0.000200
HydVer		Point	8/31/2021	41.981290	-72.606355	1-3	3	0.000200
HydVer		Point	8/31/2021	41.981828	-72.606416	1-3	3	0.000200



Appendix Connecticut River Invasive Plant Location Data (24 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer		Point	8/31/2021	41.981844	-72.606414	1-3	3	0.000200
HydVer		Point	8/31/2021	41.982032	-72.606376	1-3	3	0.000200
HydVer		Point	8/31/2021	41.982235	-72.606395	1-3	3	0.000200
HydVer		Point	8/31/2021	41.982398	-72.606357	1-3	3	0.000200
HydVer		Point	8/31/2021	41.982542	-72.606287	1-3	3	0.000200
HydVer		Point	8/31/2021	41.982656	-72.606250	1-3	3	0.000200
HydVer		Point	8/31/2021	41.982732	-72.606222	1-3	3	0.000200
HydVer		Point	8/31/2021	41.982847	-72.606206	1-3	3	0.000200
HydVer		Point	8/31/2021	41.982967	-72.606192	1-3	3	0.000200
HydVer		Point	8/31/2021	41.983096	-72.606181	1-3	3	0.000200
HydVer		Point	8/31/2021	41.983169	-72.606167	1-3	3	0.000200
HydVer		Point	8/31/2021	41.983243	-72.606146	1-3	3	0.000200
HydVer		Point	8/31/2021	41.983362	-72.606085	1-3	3	0.000200
HydVer		Point	8/31/2021	41.983572	-72.606046	1-3	3	0.000200
HydVer		Point	8/31/2021	41.983733	-72.605990	1-3	3	0.000200
HydVer		Point	8/31/2021	41.983772	-72.605990	1-3	3	0.000200
HydVer		Point	8/31/2021	41.983830	-72.605969	1-3	3	0.000200
HydVer		Point	8/31/2021	41.984035	-72.605938	1-3	3	0.000200
HydVer		Point	8/31/2021	41.984084	-72.605924	1-3	3	0.000200
HydVer		Point	8/31/2021	41.984173	-72.605897	1-3	3	0.000200
HydVer		Point	8/31/2021	41.984380	-72.605842	1-3	3	0.000200
HydVer		Patch	8/31/2021	41.966533	-72.610508	0-2	3	0.013596
HydVer	With ValAme	Patch	7/29/2020	41.562127	-72.628489	0-2	3	0.015058
HydVer		Patch	7/29/2020	41.564267	-72.648078	0-2	3	0.016316
HydVer	With ValAme	Patch	7/29/2020	41.563791	-72.621115	0-2	3	0.017543
HydVer	With ValAme	Patch	7/30/2020	41.599944	-72.623886	0-2	3	0.019355
HydVer	With ValAme	Patch	7/29/2020	41.577064	-72.650834	0-2	3	0.025831
HydVer		Patch	8/30/2020	41.892543	-72.619594	1-3	3	0.029223
HydVer	With ValAme	Patch	8/6/2020	41.725268	-72.651057	1-3	3	0.030180
HydVer	With ValAme	Patch	7/29/2020	41.562817	-72.604095	0-2	3	0.030386
HydVer	With ValAme	Patch	7/29/2020	41.578908	-72.649886	0-2	3	0.039194
HydVer	With ValAme	Patch	8/10/2020	41.839515	-72.633012	0-2	3	0.042509
HydVer	With ValAme	Patch	7/29/2020	41.578463	-72.650146	0-2	3	0.053578
HydVer	With ValAme	Patch	8/10/2020	41.841663	-72.631942	0-2	3	0.054975
HydVer	With ValAme	Patch	7/29/2020	41.576560	-72.650951	0-2	3	0.055325
HydVer		Patch	8/31/2021	41.935233	-72.624053	0-2	3	0.057060
HydVer	With ValAme	Patch	8/6/2020	41.767707	-72.664196	0-2	3	0.061498
HydVer		Patch	8/31/2021	41.964099	-72.610662	0-2	3	0.070368
HydVer		Patch	7/9/2020	41.537077	-72.549172	0-1	3	0.075689
HydVer		Patch	7/30/2020	41.592316	-72.671140	0-2	3	0.075939
HydVer		Patch	8/3/2020	41.673316	-72.613472	0-2	3	0.079594
HydVer	With ValAme	Patch	7/29/2020	41.563143	-72.620945	0-2	3	0.083709
HydVer		Patch	8/31/2021	41.929637	-72.624936	0-2	3	0.090719
HydVer		Patch	8/31/2021	41.965256	-72.610726	0-2	3	0.118207
HydVer	With ValAme	Patch	8/6/2020	41.788773	-72.648073	0-2	3	0.118424
HydVer	With ValAme	Patch	8/10/2020	41.840422	-72.632637	0-2	3	0.142165
HydVer	With ValAme	Patch	8/3/2020	41.719635	-72.647643	0-2	3	0.155574
HydVer	With ValAme	Patch	7/30/2020	41.600045	-72.624571	0-2	3	0.168584
HydVer	With ValAme	Patch	8/6/2020	41.786668	-72.648404	0-2	3	0.179564
HydVer		Patch	8/31/2021	41.958300	-72.609463	0-2	3	0.181890

## Appendix Connecticut River Invasive Plant Location Data (25 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer		Patch	7/30/2020	41.593167	-72.671832	0-2	3	0.184604
HydVer	With ValAme	Patch	8/6/2020	41.777401	-72.659789	0-2	3	0.194899
HydVer	With ValAme	Patch	8/10/2020	41.831335	-72.634829	0-2	3	0.221920
HydVer	With ValAme	Patch	7/29/2020	41.561022	-72.611942	0-2	3	0.224103
HydVer	With ValAme	Patch	7/29/2020	41.561057	-72.601717	0-2	3	0.234765
HydVer		Patch	8/31/2021	41.955745	-72.609935	0-2	3	0.257335
HydVer	With ValAme	Patch	8/3/2020	41.673700	-72.612410	0-2	3	0.266806
HydVer	With ValAme	Patch	8/3/2020	41.670536	-72.625057	0-2	3	0.268086
HydVer	With ValAme	Patch	7/30/2020	41.603162	-72.615788	0-2	3	0.279610
HydVer		Patch	8/3/2020	41.708063	-72.626051	0-2	3	0.290120
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.897341	-72.623760	0-2	3	0.292188
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.895387	-72.623930	0-2	3	0.293065
HydVer	With ValAme	Patch	7/30/2020	41.599909	-72.623465	0-2	3	0.301892
HydVer	With ValAme	Patch	8/6/2020	41.743690	-72.645355	0-2	3	0.302609
HydVer	With ValAme	Patch	7/30/2020	41.574837	-72.656490	0-2	3	0.319954
HydVer		Patch	7/30/2020	41.591401	-72.669992	0-2	3	0.348133
HydVer		Patch	7/29/2020	41.554913	-72.573814	0-2	3	0.446964
HydVer	With ValAme	Patch	7/29/2020	41.558279	-72.570969	1-3	3	0.448937
HydVer		Patch	7/9/2020	41.546549	-72.554194	0-1	3	0.471402
HydVer		Patch	7/9/2020	41.555259	-72.559324	0-1	3	0.495709
HydVer	With ValAme	Patch	8/6/2020	41.756126	-72.659964	0-2	3	0.516790
HydVer	With ValAme	Patch	8/3/2020	41.660960	-72.629152	0-2	3	0.534774
HydVer	With ValAme	Patch	8/10/2020	41.826658	-72.637666	0-2	3	0.540467
HydVer	With ValAme	Patch	7/29/2020	41.559949	-72.615826	0-2	3	0.563561
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.887667	-72.622448	0-2	3	0.602829
HydVer		Patch	7/8/2020	41.524146	-72.558653	0-1	3	0.613368
HydVer		Patch	7/30/2020	41.595867	-72.673153	0-2	3	0.641340
HydVer	With ValAme	Patch	8/6/2020	41.728644	-72.648494	0-2	3	0.665416
HydVer	With ValAme	Patch	8/3/2020	41.652833	-72.625905	0-2	3	0.865488
HydVer	With ValAme	Patch	7/29/2020	41.559232	-72.579840	1-3	3	0.870674
HydVer	With ValAme	Patch	7/29/2020	41.559877	-72.634462	0-2	3	0.887975
HydVer		Patch	8/31/2021	41.968703	-72.609818	0-2	3	0.975360
HydVer	With ValAme and ZosDub	Patch	8/22/2020	41.856360	-72.623864	0-2	3	0.990362
HydVer	With ValAme	Patch	8/6/2020	41.778591	-72.652777	0-2	3	1.078152
HydVer	With ValAme	Patch	8/3/2020	41.658084	-72.628168	0-2	3	1.214826
HydVer		Patch	8/31/2021	41.931904	-72.624728	0-2	3	1.224752
HydVer		Patch	7/9/2020	41.553469	-72.555603	0-1	3	1.227697
HydVer		Patch	8/31/2021	41.979329	-72.606654	0-2	3	1.813573
HydVer	With ValAme	Patch	7/29/2020	41.563477	-72.617923	0-2	3	1.971044
HydVer	With ValAme	Patch	8/3/2020	41.701489	-72.627500	0-2	3	1.989905
HydVer		Patch	8/11/2020	42.029105	-72.610357	1-3	3	2.344929
HydVer		Patch	7/9/2020	41.538565	-72.552942	0-1	3	2.633684
HydVer	With ValAme	Patch	8/6/2020	41.784126	-72.648907	0-2	3	3.818676
HydVer	With ValAme	Patch	8/6/2020	41.780248	-72.650872	0-2	3	5.293274
HydVer		Patch	8/31/2021	41.961671	-72.611116	0-2	3	6.077406
HydVer		Patch	7/29/2020	41.571297	-72.650813	1-3	3	6.156209
HydVer		Patch	8/11/2020	42.002449	-72.608320	1-3	3	19.280395
HydVer	With ValAme	Patch	8/10/2020	41.816775	-72.645253	0-2	3	32.222241
HydVer	With ValAme	Point	7/8/2020	41.513178	-72.558106	0-1	4	0.0002
HydVer	With ValAme	Point	7/8/2020	41.520024	-72.558727	0-1	4	0.0002

Appendix Connecticut River Invasive Plant Location Data (26 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	7/8/2020	41.521878	-72.558264	0-1	4	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.530691	-72.555775	0-1	4	0.0002
HydVer	With ValAme and EloNut	Point	7/8/2020	41.531365	-72.555353	0-1	4	0.0002
HydVer	With ValAme	Point	7/9/2020	41.552465	-72.554426	0-1	4	0.0002
HydVer	With ValAme	Point	7/9/2020	41.552589	-72.554615	0-1	4	0.0002
HydVer	With ValAme	Point	7/9/2020	41.553562	-72.563438	0-1	4	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556682	-72.584217	0-2	4	0.0002
HydVer	With ValAme	Point	7/29/2020	41.556743	-72.584707	0-2	4	0.0002
HydVer	With ValAme	Point	7/29/2020	41.559310	-72.592790	0-2	4	0.0002
HydVer	With ValAme	Point	7/30/2020	41.593441	-72.640705	0-2	4	0.0002
HydVer	With ValAme	Point	7/30/2020	41.602391	-72.616994	0-2	4	0.0002
HydVer	With ValAme	Point	7/30/2020	41.606996	-72.615389	0-2	4	0.0002
HydVer	With ValAme	Point	7/30/2020	41.607020	-72.615365	0-2	4	0.0002
HydVer	With ValAme	Point	7/30/2020	41.607050	-72.615341	0-2	4	0.0002
HydVer	With ValAme	Point	7/30/2020	41.607069	-72.615327	0-2	4	0.0002
HydVer	With ValAme	Point	7/30/2020	41.607103	-72.615308	0-2	4	0.0002
HydVer	With ValAme	Point	7/30/2020	41.607126	-72.615296	0-2	4	0.0002
HydVer	With ValAme	Point	7/30/2020	41.609540	-72.615369	0-2	4	0.0002
HydVer	With ValAme	Point	7/30/2020	41.609666	-72.615434	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.688304	-72.621398	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.654121	-72.623538	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.654521	-72.623692	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.658633	-72.625625	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.658767	-72.625734	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.665609	-72.626788	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.668733	-72.623607	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.669693	-72.618911	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.681260	-72.608056	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.681338	-72.608011	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.720333	-72.645886	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.720382	-72.645925	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.715762	-72.644372	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.716285	-72.644844	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.716375	-72.644944	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.716417	-72.644973	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.716468	-72.645007	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.651719	-72.625756	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.651650	-72.625773	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.651765	-72.625844	0-2	4	0.0002
HydVer	With ValAme	Point	8/3/2020	41.651788	-72.625742	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.751480	-72.652576	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.751458	-72.652484	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.751404	-72.652391	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.751381	-72.652294	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.751356	-72.652197	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.751332	-72.652124	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.751312	-72.652048	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.751281	-72.651936	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.751172	-72.651629	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.751098	-72.651343	0-1	4	0.0002



Appendix Connecticut River Invasive Plant Location Data (27 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer		Point	8/6/2020	41.751065	-72.651229	0-1	4	0.0002
HydVer		Point	8/6/2020	41.751038	-72.651114	0-1	4	0.0002
HydVer		Point	8/6/2020	41.751017	-72.651053	0-1	4	0.0002
HydVer		Point	8/6/2020	41.750956	-72.650876	0-1	4	0.0002
HydVer		Point	8/6/2020	41.750884	-72.650640	0-1	4	0.0002
HydVer		Point	8/6/2020	41.776330	-72.661944	0-1	4	0.0002
HydVer		Point	8/6/2020	41.776694	-72.661088	0-1	4	0.0002
HydVer		Point	8/6/2020	41.776879	-72.660691	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.781621	-72.649881	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.781746	-72.650052	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.781750	-72.649967	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.781754	-72.649895	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.781746	-72.649845	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.781732	-72.649784	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.781708	-72.649660	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.781692	-72.649585	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.781672	-72.649512	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.781938	-72.649379	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.781997	-72.649414	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.782060	-72.649449	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.782112	-72.649473	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.782203	-72.649524	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.782230	-72.649540	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.782281	-72.649571	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.782365	-72.649593	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.782370	-72.649575	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.782371	-72.649551	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.782371	-72.649481	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.782360	-72.649406	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.782359	-72.649352	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.787117	-72.648285	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.787139	-72.648274	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.787206	-72.648240	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.787254	-72.648213	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.787310	-72.648167	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.787407	-72.648077	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.787433	-72.648040	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.787747	-72.648024	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.788086	-72.648019	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.788492	-72.647958	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.790770	-72.648112	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.790899	-72.648112	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.794489	-72.648477	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.794562	-72.648496	0-1	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.744529	-72.642343	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.745789	-72.642881	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.746192	-72.643086	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.746321	-72.643156	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.746388	-72.643198	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.746474	-72.643248	0-2	4	0.0002

Appendix Connecticut River Invasive Plant Location Data (28 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Point	8/6/2020	41.755267	-72.652670	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.755315	-72.652608	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.755394	-72.652669	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.755374	-72.652720	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.755214	-72.652966	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.754930	-72.653371	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.754865	-72.653407	0-2	4	0.0002
HydVer	With ValAme	Point	8/6/2020	41.756697	-72.657165	0-2	4	0.0002
HydVer	With ValAme	Point	8/10/2020	41.834519	-72.637528	0-1	4	0.0002
HydVer	With ValAme	Point	8/10/2020	41.844903	-72.635935	0-1	4	0.0002
HydVer	With ValAme	Point	8/10/2020	41.849355	-72.638691	0-1	4	0.0002
HydVer	With ValAme	Point	8/10/2020	41.849580	-72.638355	0-1	4	0.0002
HydVer	With ValAme	Point	8/10/2020	41.832602	-72.637065	0-2	4	0.0002
HydVer	With ValAme	Point	8/10/2020	41.842544	-72.629262	0-2	4	0.0002
HydVer	With ValAme	Point	8/30/2020	41.898017	-72.623545	1-3	4	0.0002
HydVer		Patch	8/3/2020	41.651720	-72.625879	0-2	4	0.014570
HydVer		Patch	8/3/2020	41.651677	-72.625670	0-2	4	0.017189
HydVer		Patch	7/30/2020	41.583151	-72.667845	0-1	4	0.020330
HydVer		Patch	7/30/2020	41.583217	-72.668066	0-1	4	0.020917
HydVer	With ValAme	Patch	8/3/2020	41.665761	-72.627208	0-2	4	0.027739
HydVer	With ValAme	Patch	7/29/2020	41.561311	-72.606921	0-2	4	0.029016
HydVer	With ValAme	Patch	7/29/2020	41.561515	-72.607581	0-2	4	0.045611
HydVer		Patch	7/29/2020	41.575881	-72.651130	0-2	4	0.049197
HydVer		Patch	7/30/2020	41.579522	-72.647965	0-2	4	0.055234
HydVer		Patch	8/6/2020	41.724547	-72.654659	0-1	4	0.059347
HydVer	With ValAme	Patch	8/6/2020	41.776180	-72.662302	0-2	4	0.064343
HydVer	With ValAme	Patch	7/30/2020	41.582443	-72.646213	0-2	4	0.065716
HydVer		Patch	8/3/2020	41.707407	-72.626127	0-2	4	0.071256
HydVer		Patch	7/30/2020	41.599583	-72.631946	1-3	4	0.071972
HydVer		Patch	8/3/2020	41.707032	-72.626158	0-2	4	0.079579
HydVer		Patch	8/3/2020	41.709485	-72.624632	0-2	4	0.080935
HydVer	With ValAme	Patch	7/30/2020	41.579348	-72.648546	0-2	4	0.098783
HydVer	With ValAme	Patch	8/6/2020	41.754834	-72.658545	0-2	4	0.124032
HydVer		Patch	8/3/2020	41.709465	-72.623696	0-2	4	0.133649
HydVer	With ValAme	Patch	7/29/2020	41.577630	-72.650585	0-2	4	0.142411
HydVer	With ValAme	Patch	7/29/2020	41.561962	-72.627993	0-2	4	0.143362
HydVer		Patch	8/10/2020	41.832788	-72.638215	1-3	4	0.156747
HydVer	With ValAme	Patch	8/3/2020	41.725084	-72.650545	0-2	4	0.160590
HydVer	With ValAme	Patch	8/3/2020	41.723723	-72.647425	0-2	4	0.162104
HydVer	With ValAme	Patch	8/3/2020	41.650179	-72.622137	0-2	4	0.169301
HydVer	With ValAme	Patch	7/30/2020	41.570027	-72.649754	0-2	4	0.226464
HydVer	With ValAme	Patch	8/10/2020	41.833010	-72.632512	1-3	4	0.241909
HydVer	With ValAme	Patch	8/3/2020	41.662401	-72.629297	0-2	4	0.268754
HydVer	With ValAme	Patch	8/3/2020	41.649400	-72.622138	0-2	4	0.269309
HydVer		Patch	8/3/2020	41.709344	-72.625573	0-2	4	0.270139
HydVer	With ValAme	Patch	8/3/2020	41.650856	-72.622400	0-2	4	0.275377
HydVer	With ValAme	Patch	8/3/2020	41.635260	-72.628295	1-3	4	0.291328
HydVer		Patch	7/30/2020	41.593757	-72.640662	0-2	4	0.305687
HydVer	With ValAme	Patch	8/6/2020	41.738593	-72.643741	0-2	4	0.307790
HydVer	With ValAme	Patch	8/6/2020	41.737790	-72.643579	0-2	4	0.344760

Appendix Connecticut River Invasive Plant Location Data (29 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.881029	-72.620741	0-2	4	0.418433
HydVer	With ValAme	Patch	8/3/2020	41.666518	-72.626289	0-2	4	0.455822
HydVer	With ValAme	Patch	8/3/2020	41.665610	-72.629628	0-2	4	0.474606
HydVer		Patch	7/9/2020	41.540563	-72.551718	0-1	4	0.495097
HydVer		Patch	8/6/2020	41.723484	-72.654468	0-2	4	0.538998
HydVer	With ValAme	Patch	8/3/2020	41.708050	-72.617500	0-2	4	0.564988
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.883171	-72.621227	0-2	4	0.590818
HydVer		Patch	7/9/2020	41.557133	-72.563095	0-1	4	0.685811
HydVer	With ValAme	Patch	8/3/2020	41.709440	-72.618690	0-2	4	0.838554
HydVer	With ValAme	Patch	8/6/2020	41.748237	-72.648501	0-2	4	0.840821
HydVer	With ValAme	Patch	7/30/2020	41.587350	-72.665998	0-2	4	0.862545
HydVer	With ValAme	Patch	7/29/2020	41.562770	-72.621870	0-2	4	0.918821
HydVer		Patch	8/6/2020	41.725163	-72.655074	0-2	4	0.972062
HydVer		Patch	7/29/2020	41.554269	-72.570293	0-2	4	1.002573
HydVer	With ValAme	Patch	8/3/2020	41.650317	-72.621297	0-2	4	1.205092
HydVer	With ValAme	Patch	7/30/2020	41.586459	-72.667131	0-2	4	1.214732
HydVer		Patch	7/30/2020	41.595323	-72.639482	0-2	4	1.393581
HydVer	With ValAme	Patch	8/3/2020	41.714087	-72.635316	0-2	4	1.482723
HydVer	With ValAme	Patch	8/3/2020	41.723137	-72.650473	0-2	4	1.487961
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.899957	-72.623135	0-2	4	1.522071
HydVer	With ValAme	Patch	8/10/2020	41.844634	-72.633110	0-1	4	1.567892
HydVer	With ValAme	Patch	8/6/2020	41.798069	-72.648583	0-2	4	1.597293
HydVer	With ValAme	Patch	7/29/2020	41.563285	-72.643041	0-2	4	1.946645
HydVer	With ValAme	Patch	7/29/2020	41.560116	-72.604361	0-2	4	1.960466
HydVer		Patch	8/6/2020	41.726198	-72.650708	0-2	4	2.091156
HydVer	With ValAme	Patch	8/3/2020	41.648774	-72.625345	0-2	4	2.130243
HydVer	With ValAme	Patch	8/3/2020	41.632071	-72.628496	1-3	4	2.492639
HydVer	With ValAme	Patch	8/6/2020	41.731731	-72.645913	0-2	4	2.530795
HydVer	With ValAme	Patch	7/29/2020	41.558749	-72.640647	0-2	4	2.602325
HydVer		Patch	7/30/2020	41.583822	-72.667088	0-2	4	3.197841
HydVer		Patch	7/8/2020	41.533501	-72.553936	0-1	4	3.375478
HydVer		Patch	8/3/2020	41.708320	-72.619582	0-2	4	3.613215
HydVer		Patch	7/29/2020	41.568540	-72.650265	1-3	4	4.642975
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.859171	-72.622832	0-2	4	5.700560
HydVer		Patch	8/11/2020	42.036442	-72.610638	1-3	4	9.177364
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.875543	-72.620191	0-2	4	9.333616
HydVer		Patch	7/9/2020	41.551594	-72.560462	0-1	4	9.487502
HydVer		Patch	7/30/2020	41.606021	-72.621101	1-3	4	11.523748
HydVer		Patch	8/11/2020	42.015292	-72.607110	1-3	4	13.592081
HydVer	With ValAme	Patch	8/3/2020	41.640345	-72.629201	0-2	4	14.530705
HydVer		Patch	7/9/2020	41.517936	-72.553745	0-1	4	16.612414
HydVer	With ValAme and ZosDub	Patch	8/22/2020	41.849572	-72.626304	0-2	4	18.314036
HydVer		Patch	8/6/2020	41.724493	-72.658748	0-2	4	24.366285
HydVer		Point	7/30/2020	41.574204	-72.656411	1-3	5	0.0002
HydVer		Point	7/30/2020	41.577568	-72.655059	0-1	5	0.0002
HydVer		Point	8/3/2020	41.673339	-72.613000	0-2	5	0.0002
HydVer		Point	8/3/2020	41.687944	-72.618828	0-2	5	0.0002
HydVer	With ValAme	Point	8/3/2020	41.665630	-72.626751	0-2	5	0.0002
HydVer	With ValAme	Point	8/3/2020	41.699377	-72.628372	0-2	5	0.0002
HydVer		Point	8/6/2020	41.751230	-72.651783	0-1	5	0.0002



Appendix Connecticut River Invasive Plant Location Data (30 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer		Point	8/6/2020	41.751201	-72.651721	0-1	5	0.0002
HydVer		Point	8/6/2020	41.751157	-72.651526	0-1	5	0.0002
HydVer		Point	8/6/2020	41.751144	-72.651480	0-1	5	0.0002
HydVer		Point	8/6/2020	41.757471	-72.661562	0-1	5	0.0002
HydVer		Point	8/10/2020	41.833186	-72.638567	0-1	5	0.0002
HydVer		Point	8/10/2020	41.833404	-72.638467	0-1	5	0.0002
HydVer		Point	8/10/2020	41.833553	-72.638348	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.833671	-72.638239	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.833811	-72.638162	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.833875	-72.638068	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.833999	-72.637974	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.834351	-72.637661	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.834431	-72.637600	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.834639	-72.637479	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.839782	-72.633427	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.839926	-72.633290	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.839926	-72.633258	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.840054	-72.633223	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.840227	-72.633229	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.840365	-72.633152	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.840435	-72.633146	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.840601	-72.633059	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.840728	-72.633000	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.840916	-72.632903	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.844910	-72.635692	0-1	5	0.0002
HydVer	With ValAme	Point	8/10/2020	41.844904	-72.635874	0-1	5	0.0002
HydVer	With ValAme	Patch	7/30/2020	41.572992	-72.653017	0-2	5	0.021643
HydVer		Patch	8/6/2020	41.752037	-72.654108	0-1	5	0.025924
HydVer	With ValAme	Patch	8/3/2020	41.665656	-72.627369	0-2	5	0.029768
HydVer	With ValAme	Patch	8/3/2020	41.665584	-72.627114	0-2	5	0.033874
HydVer	With ValAme	Patch	8/3/2020	41.665627	-72.626530	0-2	5	0.034154
HydVer		Patch	7/29/2020	41.560124	-72.644497	0-2	5	0.044712
HydVer	With ValAme	Patch	7/30/2020	41.579820	-72.648568	0-2	5	0.046117
HydVer	With ValAme	Patch	8/10/2020	41.844541	-72.631761	0-2	5	0.071108
HydVer	With ValAme	Patch	7/30/2020	41.573143	-72.652592	0-2	5	0.073609
HydVer	With ValAme	Patch	8/3/2020	41.710510	-72.616384	0-2	5	0.076335
HydVer	With ValAme	Patch	7/30/2020	41.590740	-72.666657	0-2	5	0.078725
HydVer	With ValAme	Patch	8/10/2020	41.844547	-72.629499	0-2	5	0.085502
HydVer	With ValAme	Patch	7/30/2020	41.572660	-72.654148	0-2	5	0.100433
HydVer	With ValAme	Patch	7/30/2020	41.610153	-72.613987	0-2	5	0.106416
HydVer	With ValAme and CerDem	Patch	7/29/2020	41.562356	-72.646585	0-2	5	0.106718
HydVer	With ValAme	Patch	7/30/2020	41.572566	-72.653587	0-2	5	0.110129
HydVer		Patch	8/3/2020	41.666493	-72.629430	0-2	5	0.119668
HydVer		Patch	8/6/2020	41.774402	-72.665501	0-1	5	0.159215
HydVer	With ValAme	Patch	7/30/2020	41.577907	-72.649592	0-2	5	0.190336
HydVer	With ValAme	Patch	8/6/2020	41.794923	-72.648644	0-2	5	0.192968
HydVer		Patch	8/3/2020	41.705624	-72.626336	0-2	5	0.211071
HydVer	With ValAme	Patch	7/30/2020	41.589259	-72.666953	0-2	5	0.240962
HydVer	With ValAme	Patch	7/29/2020	41.559093	-72.620530	0-2	5	0.242426
HydVer		Patch	7/29/2020	41.555896	-72.578662	0-2	5	0.269672

## Appendix Connecticut River Invasive Plant Location Data (31 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme	Patch	8/6/2020	41.725392	-72.652408	1-3	5	0.284890
HydVer	With ValAme	Patch	8/10/2020	41.844375	-72.629635	0-2	5	0.296033
HydVer	With ValAme	Patch	8/10/2020	41.844195	-72.630997	0-2	5	0.352598
HydVer	With ValAme	Patch	7/30/2020	41.578716	-72.649083	0-2	5	0.369599
HydVer	With ValAme	Patch	8/3/2020	41.713279	-72.620807	0-2	5	0.435361
HydVer	With ValAme	Patch	7/30/2020	41.573166	-72.655970	0-2	5	0.493176
HydVer	With ValAme	Patch	8/10/2020	41.844076	-72.630709	0-2	5	0.505554
HydVer	With ValAme	Patch	7/30/2020	41.572333	-72.653880	0-2	5	0.580750
HydVer		Patch	7/30/2020	41.590534	-72.667025	0-2	5	0.582893
HydVer	With ValAme	Patch	7/30/2020	41.568181	-72.648815	1-3	5	0.597132
HydVer	With ValAme	Patch	8/6/2020	41.793380	-72.648246	0-2	5	0.704485
HydVer	With ValAme	Patch	7/30/2020	41.600923	-72.617373	0-2	5	0.760213
HydVer		Patch	7/30/2020	41.577636	-72.656190	0-2	5	0.761701
HydVer	With ValAme	Patch	8/10/2020	41.842947	-72.631445	0-2	5	0.967795
HydVer	With ValAme	Patch	8/3/2020	41.639830	-72.626121	1-3	5	1.003562
HydVer		Patch	7/29/2020	41.555388	-72.576600	0-2	5	1.007466
HydVer	With ValAme	Patch	8/10/2020	41.841978	-72.632294	0-1	5	1.010594
HydVer	With ValAme	Patch	8/10/2020	41.845347	-72.637584	0-1	5	1.026627
HydVer	With ValAme	Patch	7/29/2020	41.559108	-72.619081	0-2	5	1.029567
HydVer	With ValAme	Patch	7/30/2020	41.584415	-72.668415	0-2	5	1.058072
HydVer	With ValAme	Patch	8/10/2020	41.833680	-72.636009	0-2	5	1.114007
HydVer	With ValAme	Patch	7/30/2020	41.591519	-72.669053	0-2	5	1.127053
HydVer	With ValAme	Patch	7/30/2020	41.608543	-72.614996	0-2	5	1.221676
HydVer	With ValAme	Patch	8/3/2020	41.669216	-72.621510	0-2	5	1.259689
HydVer	With ValAme	Patch	8/3/2020	41.664469	-72.627021	0-2	5	1.297776
HydVer	With ValAme	Patch	7/30/2020	41.579382	-72.647011	0-2	5	1.331965
HydVer	With ValAme	Patch	7/30/2020	41.580287	-72.647948	0-2	5	1.387767
HydVer		Patch	7/30/2020	41.596970	-72.637081	0-2	5	1.503734
HydVer		Patch	7/30/2020	41.587743	-72.665915	0-2	5	1.771473
HydVer	With ValAme	Patch	7/30/2020	41.601111	-72.620351	0-2	5	1.996798
HydVer		Patch	7/30/2020	41.574915	-72.655798	0-2	5	2.101252
HydVer	With ValAme	Patch	7/30/2020	41.573760	-72.650284	0-2	5	2.259626
HydVer	With ValAme	Patch	7/29/2020	41.562299	-72.625166	0-2	5	2.392647
HydVer	With ValAme	Patch	7/30/2020	41.597189	-72.630910	0-2	5	2.519337
HydVer	With ValAme	Patch	8/10/2020	41.830767	-72.639695	0-2	5	2.598720
HydVer	With ValAme	Patch	8/3/2020	41.671639	-72.612480	0-2	5	2.664034
HydVer	With ValAme	Patch	7/30/2020	41.594313	-72.634210	0-2	5	2.684337
HydVer	With ValAme	Patch	8/10/2020	41.836977	-72.635450	0-1	5	2.787516
HydVer	With ValAme	Patch	8/6/2020	41.741162	-72.644449	0-2	5	3.044674
HydVer	With ValAme	Patch	7/29/2020	41.582852	-72.646880	1-3	5	3.156246
HydVer	With ValAme	Patch	8/3/2020	41.645457	-72.626037	0-2	5	3.180786
HydVer	With ValAme	Patch	8/3/2020	41.672390	-72.616722	0-2	5	3.532954
HydVer	With ValAme	Patch	8/3/2020	41.668951	-72.627472	0-2	5	3.664135
HydVer	With ValAme	Patch	8/3/2020	41.702852	-72.621065	0-2	5	4.676371
HydVer	With ValAme	Patch	7/29/2020	41.559336	-72.625613	0-2	5	5.080518
HydVer	With ValAme	Patch	8/6/2020	41.778286	-72.656478	0-2	5	5.670624
HydVer	With ValAme	Patch	7/30/2020	41.587869	-72.639467	0-2	5	5.747534
HydVer		Patch	7/30/2020	41.601594	-72.627896	0-2	5	6.678554
HydVer	With ValAme	Patch	7/30/2020	41.580672	-72.662154	0-2	5	8.971038
HydVer	With ValAme	Patch	7/30/2020	41.579430	-72.660872	0-2	5	10.016685

## Appendix Connecticut River Invasive Plant Location Data (32 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.871719	-72.620259	0-2	5	10.125607
HydVer		Patch	8/3/2020	41.705636	-72.619779	0-2	5	11.043412
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.894746	-72.622761	0-2	5	13.125876
HydVer	With ValAme	Patch	8/3/2020	41.618310	-72.620872	1-3	5	13.315439
HydVer	With ValAme	Patch	8/3/2020	41.625421	-72.629341	0-2	5	14.961484
HydVer		Patch	9/30/2021	41.718577	-72.626314	1-3	5	15.122311
HydVer	With ValAme	Patch	8/3/2020	41.682936	-72.613136	0-2	5	15.912654
HydVer	With ValAme and ZosDub	Patch	8/30/2020	41.864779	-72.621451	0-2	5	16.090348
HydVer		Patch	9/30/2021	41.726118	-72.634265	1-3	5	42.058039
MyrSpi	With ValAme	Point	7/8/2020	41.517978	-72.559159	0-1	1	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.518502	-72.559097	0-1	1	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.518643	-72.559092	0-1	1	0.0002
MyrSpi		Point	7/8/2020	41.527115	-72.557616	0-1	1	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.527947	-72.557260	0-1	1	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.528950	-72.556753	0-1	1	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.529350	-72.556563	0-1	1	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.529790	-72.556292	0-1	1	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.530003	-72.556139	0-1	1	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.530506	-72.555895	0-1	1	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.511921	-72.552778	0-1	1	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.514709	-72.552839	0-1	1	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.514894	-72.552817	0-1	1	0.0002
MyrSpi		Point	7/9/2020	41.547363	-72.554523	0-1	1	0.0002
MyrSpi		Point	8/3/2020	41.637897	-72.630025	0-2	1	0.0002
MyrSpi		Point	8/11/2020	42.022242	-72.608721	0-2	1	0.0002
MyrSpi		Point	8/11/2020	42.051643	-72.608114	0-2	1	0.0002
MyrSpi		Point	8/11/2020	42.052510	-72.607735	0-2	1	0.0002
MyrSpi		Point	8/11/2020	42.053777	-72.606732	0-2	1	0.0002
MyrSpi	With ValAme	Patch	7/29/2020	41.561311	-72.606921	0-2	1	0.029016
MyrSpi	With ValAme	Patch	8/3/2020	41.665627	-72.626530	0-2	1	0.034154
MyrSpi	With ValAme	Patch	7/29/2020	41.559374	-72.588266	1-3	1	0.062167
MyrSpi	With ValAme	Patch	8/3/2020	41.650179	-72.622137	0-2	1	0.169301
MyrSpi	With ValAme	Patch	8/3/2020	41.649400	-72.622138	0-2	1	0.269309
MyrSpi	With ValAme	Patch	8/3/2020	41.650856	-72.622400	0-2	1	0.275377
MyrSpi		Patch	7/9/2020	41.555259	-72.559324	0-1	1	0.495709
MyrSpi	With ValAme	Patch	8/3/2020	41.639824	-72.626099	0-3	1	1.157419
MyrSpi	With ValAme	Patch	8/3/2020	41.669216	-72.621510	0-2	1	1.259689
MyrSpi	With ValAme	Patch	8/3/2020	41.664469	-72.627021	0-2	1	1.297776
MyrSpi	With ValAme	Patch	8/3/2020	41.714087	-72.635316	0-2	1	1.482723
MyrSpi	With ValAme	Point	7/8/2020	41.515595	-72.558872	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.518282	-72.559118	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.518561	-72.559111	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.519765	-72.558791	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.520245	-72.558600	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.521117	-72.558418	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.521338	-72.558380	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.521749	-72.558301	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.521808	-72.558292	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.524714	-72.558366	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.527491	-72.557483	0-1	2	0.0002

Appendix Connecticut River Invasive Plant Location Data (33 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.527690	-72.557428	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.527821	-72.557304	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.528734	-72.556857	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.528759	-72.556856	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.529133	-72.556688	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.529229	-72.556629	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.529283	-72.556599	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.529316	-72.556579	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.529846	-72.556255	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.529874	-72.556235	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.530123	-72.556110	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.530382	-72.555936	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.530660	-72.555811	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.531081	-72.555557	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.531113	-72.555533	0-1	2	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.531437	-72.555354	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.532535	-72.550127	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.525454	-72.553098	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.514270	-72.552950	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.536874	-72.549201	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.537561	-72.549107	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.538156	-72.549052	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.538631	-72.549057	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.543792	-72.549534	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.552275	-72.554239	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.552558	-72.554571	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.554742	-72.557919	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.547175	-72.554427	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.545428	-72.553699	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.545209	-72.553618	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/9/2020	41.544383	-72.553340	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.556658	-72.584100	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559599	-72.617465	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.556893	-72.565508	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.557032	-72.566150	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.557117	-72.566594	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.557184	-72.566556	0-1	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.557234	-72.567201	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.557893	-72.569330	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559143	-72.577504	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559374	-72.586876	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559286	-72.591914	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559289	-72.591999	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559329	-72.592080	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559325	-72.592513	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559306	-72.592941	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.561586	-72.607969	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.561453	-72.607424	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.561065	-72.606352	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.557517	-72.596483	0-2	2	0.0002



Appendix Connecticut River Invasive Plant Location Data (34 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
MyrSpi	With ValAme	Point	7/29/2020	41.564178	-72.609511	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.563321	-72.620869	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.563403	-72.620866	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.563625	-72.620980	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.563960	-72.621215	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.563846	-72.621247	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.563816	-72.621236	0-2	2	0.0002
MyrSpi		Point	7/29/2020	41.561864	-72.629449	0-2	2	0.0002
MyrSpi		Point	7/29/2020	41.580258	-72.647305	1-3	2	0.0002
MyrSpi		Point	7/29/2020	41.580417	-72.647149	1-3	2	0.0002
MyrSpi		Point	7/29/2020	41.579348	-72.649601	0-2	2	0.0002
MyrSpi		Point	7/29/2020	41.579286	-72.649627	0-2	2	0.0002
MyrSpi		Point	7/29/2020	41.579232	-72.649667	0-2	2	0.0002
MyrSpi		Point	7/29/2020	41.579123	-72.649735	0-2	2	0.0002
MyrSpi		Point	7/29/2020	41.579079	-72.649757	0-2	2	0.0002
MyrSpi		Point	7/29/2020	41.578148	-72.650332	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559517	-72.636262	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559634	-72.635997	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559558	-72.636115	0-2	2	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559552	-72.636199	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599561	-72.675361	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599568	-72.675209	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599663	-72.675088	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599608	-72.675181	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599633	-72.675013	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599705	-72.674963	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599740	-72.674858	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599687	-72.674762	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599766	-72.674694	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599805	-72.674563	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599756	-72.674759	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599766	-72.674638	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599828	-72.674430	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599751	-72.674368	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599800	-72.674188	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599719	-72.674123	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599754	-72.673996	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599639	-72.673996	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599628	-72.673850	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599460	-72.673810	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599574	-72.673844	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599469	-72.673620	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599537	-72.673921	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599399	-72.673524	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599383	-72.673676	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599320	-72.673407	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599292	-72.673574	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599185	-72.673342	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599269	-72.673252	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599159	-72.673106	0-2	2	0.0002

Appendix Connecticut River Invasive Plant Location Data (35 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
MyrSpi		Point	7/30/2020	41.599129	-72.673171	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599187	-72.673214	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599073	-72.673081	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599050	-72.672935	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599115	-72.673000	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.599008	-72.672982	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597707	-72.671564	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597678	-72.671504	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597637	-72.671527	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597565	-72.671473	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597617	-72.671479	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597486	-72.671508	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597450	-72.671465	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597525	-72.671448	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597440	-72.671508	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597353	-72.671475	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597274	-72.671546	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597362	-72.671529	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597269	-72.671500	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597397	-72.671484	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597313	-72.671504	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597214	-72.671540	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597204	-72.671593	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597245	-72.671546	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597158	-72.671511	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597124	-72.671569	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597026	-72.671598	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596952	-72.671571	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597041	-72.671540	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.597034	-72.671677	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596988	-72.671615	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596963	-72.671661	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596873	-72.671675	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596868	-72.671607	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596916	-72.671634	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596820	-72.671646	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596743	-72.671613	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596710	-72.671676	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596662	-72.671617	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596757	-72.671669	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596782	-72.671628	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596698	-72.671642	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596650	-72.671690	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596578	-72.671744	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596569	-72.671798	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596414	-72.671890	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596403	-72.671834	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596470	-72.671840	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596517	-72.671846	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.596554	-72.671726	0-2	2	0.0002

Appendix Connecticut River Invasive Plant Location Data (36 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
MyrSpi		Point	7/30/2020	41.596601	-72.671688	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.595966	-72.672579	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.595983	-72.672533	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.595973	-72.672555	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.595940	-72.672555	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.595942	-72.672480	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.595979	-72.672484	0-2	2	0.0002
MyrSpi		Point	7/30/2020	41.595958	-72.672515	0-2	2	0.0002
MyrSpi		Point	8/3/2020	41.625385	-72.627533	0-2	2	0.0002
MyrSpi		Point	8/3/2020	41.627064	-72.628037	0-2	2	0.0002
MyrSpi		Point	8/3/2020	41.627240	-72.628746	0-2	2	0.0002
MyrSpi		Point	8/3/2020	41.629070	-72.628377	0-2	2	0.0002
MyrSpi		Point	8/3/2020	41.629216	-72.628388	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.642381	-72.624213	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.652667	-72.623044	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.652824	-72.623063	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.668684	-72.623715	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.670157	-72.616807	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.671031	-72.613608	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.614901	-72.616607	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.614506	-72.615951	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.614196	-72.615558	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.613504	-72.614677	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.613095	-72.614096	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.624843	-72.627080	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.623518	-72.626294	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.622292	-72.625508	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.624152	-72.626687	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.622884	-72.625920	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.621784	-72.625190	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.621164	-72.624516	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.621404	-72.624872	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.620473	-72.623898	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.619556	-72.622811	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.619979	-72.623298	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.619147	-72.622004	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.619288	-72.622417	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.618555	-72.621405	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.618794	-72.621611	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.618103	-72.620448	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.618258	-72.620917	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.617567	-72.619868	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.616932	-72.619081	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.615973	-72.617806	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.616453	-72.618425	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.617271	-72.619418	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.617765	-72.620205	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/3/2020	41.615395	-72.617057	0-3	2	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.825352	-72.639379	1-3	2	0.0002
MyrSpi		Point	8/10/2020	41.847782	-72.638470	1-3	2	0.0002

## Appendix Connecticut River Invasive Plant Location Data (37 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
MyrSpi		Point	8/10/2020	41.847865	-72.638495	1-3	2	0.0002
MyrSpi		Point	8/10/2020	41.847970	-72.638565	1-3	2	0.0002
MyrSpi		Point	8/10/2020	41.850233	-72.637185	1-3	2	0.0002
MyrSpi		Point	8/10/2020	41.850267	-72.637144	1-3	2	0.0002
MyrSpi		Point	8/10/2020	41.850327	-72.637072	1-3	2	0.0002
MyrSpi		Point	8/10/2020	41.851331	-72.636380	1-3	2	0.0002
MyrSpi		Point	8/10/2020	41.853036	-72.635760	1-3	2	0.0002
MyrSpi		Point	8/10/2020	41.853214	-72.635739	1-3	2	0.0002
MyrSpi		Point	8/10/2020	41.853626	-72.635770	1-3	2	0.0002
MyrSpi		Point	8/10/2020	41.853762	-72.635851	1-3	2	0.0002
MyrSpi		Point	8/10/2020	41.855801	-72.637191	1-3	2	0.0002
MyrSpi		Point	8/10/2020	41.858006	-72.642052	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.852278	-72.636094	0-1	2	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.856216	-72.637867	0-1	2	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.856302	-72.637995	0-1	2	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.857837	-72.641094	0-1	2	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.857847	-72.641080	0-1	2	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.858400	-72.642650	0-1	2	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.858724	-72.642692	0-1	2	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.858997	-72.642747	0-1	2	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.859086	-72.642777	0-1	2	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.859498	-72.642954	0-1	2	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.845333	-72.634382	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	41.998595	-72.605873	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.000788	-72.605776	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.008629	-72.603361	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.008695	-72.603360	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.008837	-72.603366	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.014028	-72.602998	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.016280	-72.602767	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.016480	-72.602791	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.016617	-72.602845	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.026017	-72.606249	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.042764	-72.604887	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.051650	-72.607891	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.054252	-72.606716	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.053486	-72.606638	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.050480	-72.608365	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.050293	-72.608377	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.050254	-72.608393	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.048628	-72.608982	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.048434	-72.609060	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.048086	-72.609246	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.045140	-72.610369	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.043134	-72.610372	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.042681	-72.610316	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.042689	-72.610300	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.041636	-72.610334	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.041555	-72.610331	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.041466	-72.610307	1-3	2	0.0002



Appendix Connecticut River Invasive Plant Location Data (38 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
MyrSpi	With ValAme	Point	8/11/2020	42.041378	-72.610264	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.041209	-72.610309	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.041121	-72.610305	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.041025	-72.610334	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.040944	-72.610319	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.040846	-72.610273	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.040827	-72.610288	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.040656	-72.610342	1-3	2	0.0002
MyrSpi		Point	8/11/2020	42.022575	-72.608802	0-2	2	0.0002
MyrSpi		Point	8/11/2020	42.053669	-72.606719	0-2	2	0.0002
MyrSpi	With ValAme	Point	8/22/2020	41.847248	-72.623994	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/22/2020	41.846385	-72.624340	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/30/2020	41.916596	-72.622193	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/30/2020	41.916557	-72.622582	1-3	2	0.0002
MyrSpi	With ValAme	Point	8/30/2020	41.920697	-72.621584	1-3	2	0.0002
MyrSpi		Patch	8/3/2020	41.644212	-72.626652	0-2	2	0.008023
MyrSpi		Patch	8/3/2020	41.644168	-72.626784	0-2	2	0.011817
MyrSpi		Patch	8/3/2020	41.644362	-72.626622	0-2	2	0.014935
MyrSpi	With ValAme	Patch	7/29/2020	41.559381	-72.587737	1-3	2	0.042461
MyrSpi	With ValAme	Patch	7/30/2020	41.579820	-72.648568	0-2	2	0.046117
MyrSpi	With ValAme	Patch	7/29/2020	41.557160	-72.566899	1-3	2	0.074442
MyrSpi		Patch	7/9/2020	41.537077	-72.549172	0-1	2	0.075689
MyrSpi	With ValAme	Patch	8/11/2020	42.001681	-72.605579	1-3	2	0.082456
MyrSpi	With ValAme	Patch	8/10/2020	41.860814	-72.644609	1-3	2	0.191364
MyrSpi	With ValAme	Patch	7/30/2020	41.570027	-72.649754	0-2	2	0.226464
MyrSpi	With ValAme	Patch	7/29/2020	41.559093	-72.620530	0-2	2	0.242426
MyrSpi		Patch	7/29/2020	41.555896	-72.578662	0-2	2	0.269672
MyrSpi	With ValAme	Patch	8/11/2020	42.040150	-72.610531	1-3	2	0.316749
MyrSpi	With ValAme	Patch	7/29/2020	41.558279	-72.570969	1-3	2	0.448937
MyrSpi	With ValAme	Patch	8/3/2020	41.666518	-72.626289	0-2	2	0.455822
MyrSpi		Patch	7/9/2020	41.546549	-72.554194	0-1	2	0.471402
MyrSpi		Patch	7/9/2020	41.540563	-72.551718	0-1	2	0.495097
MyrSpi	With ValAme	Patch	8/10/2020	41.860261	-72.643571	1-3	2	0.523344
MyrSpi		Patch	7/30/2020	41.598319	-72.672255	0-2	2	0.589128
MyrSpi	With ValAme	Patch	7/30/2020	41.568181	-72.648815	1-3	2	0.597132
MyrSpi		Patch	8/3/2020	41.705376	-72.624826	0-2	2	0.650115
MyrSpi	With ValAme	Patch	8/10/2020	41.847172	-72.639099	0-1	2	0.701710
MyrSpi	With ValAme	Patch	7/29/2020	41.559108	-72.619081	0-2	2	1.029567
MyrSpi		Patch	7/9/2020	41.553469	-72.555603	0-1	2	1.227697
MyrSpi	With ValAme	Patch	7/30/2020	41.579382	-72.647011	0-2	2	1.331965
MyrSpi	With ValAme	Patch	7/30/2020	41.580287	-72.647948	0-2	2	1.387767
MyrSpi		Patch	7/30/2020	41.587743	-72.665915	0-2	2	1.771473
MyrSpi	With ValAme	Patch	7/29/2020	41.563285	-72.643041	0-2	2	1.946645
MyrSpi	With ValAme	Patch	7/29/2020	41.560116	-72.604361	0-2	2	1.960466
MyrSpi		Patch	7/29/2020	41.554845	-72.573520	0-2	2	2.457003
MyrSpi	With ValAme	Patch	7/29/2020	41.558749	-72.640647	0-2	2	2.602325
MyrSpi		Patch	7/9/2020	41.550467	-72.557370	0-1	2	2.848979
MyrSpi	With ValAme	Patch	8/11/2020	42.011414	-72.603072	1-3	2	3.317559
MyrSpi		Patch	8/3/2020	41.708320	-72.619582	0-2	2	3.613215
MyrSpi	With ValAme	Patch	7/30/2020	41.587869	-72.639467	0-2	2	5.747534

Appendix Connecticut River Invasive Plant Location Data (39 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
MyrSpi	With ValAme	Point	7/8/2020	41.521847	-72.558277	0-1	3	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.521920	-72.558241	0-1	3	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.528648	-72.556924	0-1	3	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.529450	-72.556495	0-1	3	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.529482	-72.556472	0-1	3	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.529662	-72.556361	0-1	3	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.529689	-72.556343	0-1	3	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.530720	-72.555748	0-1	3	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.530785	-72.555724	0-1	3	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.530849	-72.555692	0-1	3	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.530988	-72.555614	0-1	3	0.0002
MyrSpi	With ValAme and EloNut	Point	7/8/2020	41.531274	-72.555446	0-1	3	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.531860	-72.550398	0-1	3	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.531571	-72.550572	0-1	3	0.0002
MyrSpi	With ValAme	Point	7/8/2020	41.525671	-72.552929	0-1	3	0.0002
MyrSpi		Point	7/9/2020	41.547552	-72.554646	0-1	3	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559389	-72.617912	0-2	3	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559285	-72.636798	0-2	3	0.0002
MyrSpi	With ValAme	Point	7/29/2020	41.559216	-72.636897	0-2	3	0.0002
MyrSpi		Point	7/29/2020	41.578767	-72.649955	0-2	3	0.0002
MyrSpi		Point	7/29/2020	41.578887	-72.649973	0-2	3	0.0002
MyrSpi		Point	8/3/2020	41.642492	-72.627485	0-2	3	0.0002
MyrSpi		Point	8/3/2020	41.649603	-72.625299	0-2	3	0.0002
MyrSpi		Point	8/3/2020	41.680114	-72.609922	0-2	3	0.0002
MyrSpi		Point	8/6/2020	41.723236	-72.654597	0-1	3	0.0002
MyrSpi		Point	8/10/2020	41.846840	-72.638849	1-3	3	0.0002
MyrSpi	With ValAme	Point	8/10/2020	41.836043	-72.628857	1-3	3	0.0002
MyrSpi	With ValAme	Point	8/11/2020	42.008983	-72.603362	1-3	3	0.0002
MyrSpi		Patch	7/30/2020	41.586539	-72.665716	0-2	3	0.018812
MyrSpi		Patch	7/8/2020	41.525998	-72.552816	0-1	3	0.041210
MyrSpi	With ValAme	Patch	7/30/2020	41.590740	-72.666657	0-2	3	0.078725
MyrSpi	With ValAme	Patch	7/30/2020	41.589259	-72.666953	0-2	3	0.240962
MyrSpi	With ValAme	Patch	8/3/2020	41.635259	-72.628273	0-3	3	0.356409
MyrSpi		Patch	7/8/2020	41.524011	-72.558552	0-1	3	0.393232
MyrSpi	With ValAme	Patch	7/29/2020	41.559232	-72.579840	1-3	3	0.870674
MyrSpi	With ValAme	Patch	8/3/2020	41.631942	-72.628431	0-3	3	1.061835
MyrSpi	With ValAme	Patch	7/30/2020	41.591519	-72.669053	0-2	3	1.127053
MyrSpi	With ValAme	Patch	8/3/2020	41.671639	-72.612480	0-2	3	2.664034
MyrSpi		Patch	7/8/2020	41.533501	-72.553936	0-1	3	3.374908
MyrSpi	With ValAme	Patch	7/29/2020	41.559336	-72.625613	0-2	3	5.080518
MyrSpi		Patch	8/3/2020	41.705636	-72.619779	0-2	3	11.043412
MyrSpi		Patch	7/9/2020	41.517301	-72.553758	0-1	3	13.368289
MyrSpi	With ValAme	Point	7/8/2020	41.519949	-72.558751	0-1	4	0.0002
MyrSpi		Point	8/3/2020	41.638784	-72.629534	0-2	4	0.0002
MyrSpi		Point	8/3/2020	41.639080	-72.629337	0-2	4	0.0002
MyrSpi		Point	8/3/2020	41.643190	-72.626970	0-2	5	0.0002
PotCri		Point	7/8/2020	41.524029	-72.558565	0-1	1	0.0002
PotCri		Point	8/11/2020	42.053161	-72.606937	0-2	1	0.0002
PotCri		Point	8/11/2020	42.044623	-72.610026	0-2	1	0.0002
PotCri		Point	8/11/2020	42.044497	-72.610052	0-2	1	0.0002

Appendix Connecticut River Invasive Plant Location Data (40 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
PotCri		Point	8/11/2020	42.044417	-72.610059	0-2	1	0.0002
PotCri		Point	8/11/2020	42.044393	-72.610057	0-2	1	0.0002
PotCri		Point	8/11/2020	42.044349	-72.610054	0-2	1	0.0002
PotCri		Point	8/11/2020	42.044318	-72.610054	0-2	1	0.0002
PotCri		Point	8/11/2020	42.044221	-72.610034	0-2	1	0.0002
PotCri	With ValAme	Point	7/8/2020	41.519627	-72.558834	0-1	2	0.0002
PotCri		Point	8/10/2020	41.847230	-72.638635	1-3	2	0.0002
PotCri		Point	8/10/2020	41.848032	-72.638649	1-3	2	0.0002
PotCri		Point	8/10/2020	41.848150	-72.638730	1-3	2	0.0002
PotCri		Point	8/10/2020	41.848184	-72.638755	1-3	2	0.0002
PotCri		Point	8/10/2020	41.858036	-72.642132	1-3	2	0.0002
PotCri		Point	8/10/2020	41.858106	-72.642259	1-3	2	0.0002
PotCri		Point	8/10/2020	41.858126	-72.642336	1-3	2	0.0002
PotCri		Point	8/10/2020	41.858129	-72.642349	1-3	2	0.0002
PotCri		Point	8/10/2020	41.858293	-72.642467	1-3	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.865097	-72.618110	1-3	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.865166	-72.618085	1-3	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.865833	-72.617778	1-3	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.865990	-72.617686	1-3	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.851528	-72.636555	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.851617	-72.636507	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.851671	-72.636471	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.851728	-72.636444	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.851773	-72.636427	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.851832	-72.636398	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.851871	-72.636356	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.851903	-72.636304	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.851958	-72.636262	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.852017	-72.636225	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.852057	-72.636197	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.852146	-72.636144	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.852192	-72.636133	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.852341	-72.636053	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.852424	-72.636017	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.852542	-72.635980	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.852678	-72.635945	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.852798	-72.635915	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.852935	-72.635896	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.852977	-72.635893	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.853084	-72.635885	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.853738	-72.635968	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.855400	-72.637021	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.855522	-72.637147	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.856348	-72.638071	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.856446	-72.638179	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.856594	-72.638307	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.856633	-72.638334	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.856680	-72.638368	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.856716	-72.638396	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.858427	-72.642654	0-1	2	0.0002

## Appendix Connecticut River Invasive Plant Location Data (41 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
PotCri	With ValAme	Point	8/10/2020	41.858837	-72.642709	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.858959	-72.642741	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.859302	-72.642847	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.859544	-72.642987	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.859712	-72.643079	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.859788	-72.643129	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.859837	-72.643188	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.859883	-72.643230	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.859920	-72.643256	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860255	-72.643755	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860331	-72.643840	0-1	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.845374	-72.634219	1-3	2	0.0002
PotCri	With ValAme	Point	8/11/2020	42.014859	-72.602862	0-2	2	0.0002
PotCri	With ValAme	Point	8/11/2020	42.052796	-72.607106	1-3	2	0.0002
PotCri	With ValAme	Point	8/10/2020	41.845235	-72.637161	1-3	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860018	-72.643409	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.859962	-72.643384	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860009	-72.643430	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860153	-72.643570	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860190	-72.643630	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860372	-72.643912	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860407	-72.643981	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860441	-72.644081	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860636	-72.644434	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860667	-72.644497	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860701	-72.644560	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860725	-72.644595	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860750	-72.644639	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860788	-72.644705	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860892	-72.644829	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.860959	-72.644903	0-1	3	0.0002
PotCri	With ValAme	Point	8/10/2020	41.850073	-72.637768	0-1	4	0.0002
PotCri	With ValAme	Point	8/10/2020	41.850145	-72.637656	0-1	4	0.0002
PotCri	With ValAme	Point	8/10/2020	41.850280	-72.637457	0-1	4	0.0002
PotCri	With ValAme	Point	8/10/2020	41.850457	-72.637215	0-1	4	0.0002
PotCri	With ValAme	Point	8/11/2020	42.011155	-72.606678	0-2	4	0.0002
TraNat	Pulled	Point	7/8/2020	41.519580	-72.553901	0-1	1	0.0002
TraNat	With ValAme	Point	7/29/2020	41.571037	-72.651493	0-2	1	0.0002
TraNat		Point	7/30/2020	41.578302	-72.657650	0-1	1	0.0002
TraNat		Point	7/30/2020	41.578572	-72.660711	0-2	1	0.0002
TraNat		Point	7/30/2020	41.581137	-72.662916	0-2	1	0.0002
TraNat		Point	7/30/2020	41.586316	-72.667364	0-2	1	0.0002
TraNat		Point	7/30/2020	41.589767	-72.666884	0-2	1	0.0002
TraNat		Point	7/30/2020	41.582521	-72.666134	0-2	1	0.0002
TraNat		Point	7/30/2020	41.600917	-72.629148	0-2	1	0.0002
TraNat		Point	7/30/2020	41.601121	-72.628573	0-2	1	0.0002
TraNat		Point	7/30/2020	41.601285	-72.628135	0-2	1	0.0002
TraNat		Point	7/30/2020	41.602992	-72.621634	0-2	1	0.0002
TraNat		Point	7/30/2020	41.603576	-72.620829	0-2	1	0.0002
TraNat		Point	7/30/2020	41.610117	-72.618601	0-2	1	0.0002



## Appendix Connecticut River Invasive Plant Location Data (42 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
TraNat		Point	8/3/2020	41.671780	-72.618807	0-2	1	0.0002
TraNat		Point	8/3/2020	41.680270	-72.610019	0-2	1	0.0002
TraNat		Point	8/3/2020	41.681543	-72.610394	0-2	1	0.0002
TraNat		Point	8/3/2020	41.683506	-72.611593	0-2	1	0.0002
TraNat		Point	8/6/2020	41.755056	-72.658728	0-1	1	0.0002
TraNat		Patch	7/30/2020	41.586693	-72.665499	0-2	1	0.014515
TraNat		Point	7/9/2020	41.550106	-72.557020	0-1	2	0.0002
TraNat	With ValAme	Point	7/29/2020	41.554410	-72.570714	0-2	2	0.0002
TraNat	Pulled	Point	7/29/2020	41.559585	-72.627335	0-2	2	0.0002
TraNat	Pulled	Point	7/29/2020	41.564314	-72.648044	0-2	2	0.0002
TraNat		Point	7/30/2020	41.580172	-72.661398	0-2	2	0.0002
TraNat		Point	7/30/2020	41.581357	-72.664556	0-2	2	0.0002
TraNat		Point	7/30/2020	41.581801	-72.665451	0-2	2	0.0002
TraNat		Point	7/30/2020	41.600530	-72.630042	0-2	2	0.0002
TraNat		Point	7/30/2020	41.578151	-72.649439	0-1	2	0.0002
TraNat		Point	7/30/2020	41.591575	-72.667708	0-2	2	0.0002
TraNat		Point	7/30/2020	41.588831	-72.667168	0-2	2	0.0002
TraNat		Point	7/30/2020	41.588472	-72.666866	0-2	2	0.0002
TraNat		Point	7/30/2020	41.582168	-72.666234	0-2	2	0.0002
TraNat		Point	7/30/2020	41.582090	-72.666143	0-2	2	0.0002
TraNat		Point	7/30/2020	41.582019	-72.666037	0-2	2	0.0002
TraNat		Point	7/30/2020	41.582123	-72.666057	0-2	2	0.0002
TraNat		Point	8/3/2020	41.636885	-72.630930	0-2	2	0.0002
TraNat		Point	8/3/2020	41.683928	-72.611890	0-2	2	0.0002
TraNat		Point	8/3/2020	41.707998	-72.619228	0-2	2	0.0002
TraNat		Point	8/3/2020	41.707988	-72.619117	0-2	2	0.0002
TraNat		Point	8/3/2020	41.643712	-72.626973	0-2	2	0.0002
TraNat		Point	8/3/2020	41.643657	-72.627041	0-2	2	0.0002
TraNat		Point	8/3/2020	41.643771	-72.627073	0-2	2	0.0002
TraNat		Point	8/3/2020	41.643793	-72.626966	0-2	2	0.0002
TraNat		Point	8/18/2020	41.520039	-72.553566	0-1	2	0.0002
TraNat		Point	8/18/2020	41.518713	-72.553552	0-1	2	0.0002
TraNat		Point	8/18/2020	41.518468	-72.553447	0-1	2	0.0002
TraNat		Point	8/18/2020	41.518412	-72.553456	0-1	2	0.0002
TraNat		Point	7/9/2020	41.550221	-72.557136	0-1	3	0.0002
TraNat	Pulled	Point	7/29/2020	41.559235	-72.618987	0-2	3	0.0002
TraNat	With ValAme	Point	7/29/2020	41.570367	-72.651242	0-2	3	0.0002
TraNat	With ValAme	Point	7/29/2020	41.571283	-72.651469	0-2	3	0.0002
TraNat	With ValAme	Point	7/29/2020	41.571644	-72.651513	0-2	3	0.0002
TraNat		Point	7/29/2020	41.574684	-72.651298	0-2	3	0.0002
TraNat		Point	7/29/2020	41.575967	-72.651138	0-2	3	0.0002
TraNat		Point	7/30/2020	41.577222	-72.656631	0-1	3	0.0002
TraNat		Point	7/30/2020	41.577350	-72.657040	0-1	3	0.0002
TraNat		Point	7/30/2020	41.578981	-72.659012	0-1	3	0.0002
TraNat		Point	7/30/2020	41.578975	-72.659097	0-1	3	0.0002
TraNat		Point	7/30/2020	41.599799	-72.631435	1-3	3	0.0002
TraNat		Point	7/30/2020	41.578494	-72.660320	0-2	3	0.0002
TraNat		Point	7/30/2020	41.578496	-72.660509	0-2	3	0.0002
TraNat		Point	7/30/2020	41.578675	-72.660857	0-2	3	0.0002
TraNat		Point	7/30/2020	41.581857	-72.665506	0-2	3	0.0002

## Appendix Connecticut River Invasive Plant Location Data (43 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
TraNat		Point	7/30/2020	41.584823	-72.668475	0-2	3	0.0002
TraNat		Point	7/30/2020	41.585018	-72.668491	0-2	3	0.0002
TraNat		Point	7/30/2020	41.589879	-72.666819	0-2	3	0.0002
TraNat		Point	7/30/2020	41.589485	-72.667044	0-2	3	0.0002
TraNat		Point	7/30/2020	41.589356	-72.667124	0-2	3	0.0002
TraNat		Point	7/30/2020	41.589285	-72.667156	0-2	3	0.0002
TraNat		Point	7/30/2020	41.589055	-72.667167	0-2	3	0.0002
TraNat		Point	7/30/2020	41.601200	-72.628423	0-2	3	0.0002
TraNat		Point	7/30/2020	41.588667	-72.667021	0-2	3	0.0002
TraNat		Point	7/30/2020	41.588095	-72.666592	0-2	3	0.0002
TraNat		Point	7/30/2020	41.587911	-72.666432	0-2	3	0.0002
TraNat		Point	7/30/2020	41.578902	-72.659944	0-2	3	0.0002
TraNat		Point	7/30/2020	41.578897	-72.659774	0-2	3	0.0002
TraNat		Point	7/30/2020	41.579078	-72.659531	0-2	3	0.0002
TraNat		Point	7/30/2020	41.579029	-72.659616	0-2	3	0.0002
TraNat		Point	7/30/2020	41.579040	-72.659441	0-2	3	0.0002
TraNat		Point	7/30/2020	41.579096	-72.659387	0-2	3	0.0002
TraNat		Point	8/3/2020	41.646621	-72.625291	0-2	3	0.0002
TraNat		Point	8/3/2020	41.678657	-72.609841	0-2	3	0.0002
TraNat		Point	8/3/2020	41.679265	-72.609868	0-2	3	0.0002
TraNat		Point	8/3/2020	41.679292	-72.609859	0-2	3	0.0002
TraNat		Point	8/3/2020	41.679410	-72.609853	0-2	3	0.0002
TraNat		Point	8/3/2020	41.708019	-72.619346	0-2	3	0.0002
TraNat		Point	8/6/2020	41.724610	-72.660412	0-1	3	0.0002
TraNat		Point	8/6/2020	41.724703	-72.660443	0-1	3	0.0002
TraNat		Point	8/6/2020	41.724793	-72.660513	0-1	3	0.0002
TraNat		Point	8/6/2020	41.755744	-72.659497	0-1	3	0.0002
TraNat		Point	8/6/2020	41.755764	-72.659523	0-1	3	0.0002
TraNat		Point	8/6/2020	41.755790	-72.659554	0-1	3	0.0002
TraNat		Patch	7/30/2020	41.584325	-72.668390	0-2	3	0.006812
TraNat		Patch	7/30/2020	41.589707	-72.666983	0-2	3	0.006939
TraNat		Patch	7/30/2020	41.583287	-72.667539	0-2	3	0.009504
TraNat		Patch	7/30/2020	41.584065	-72.668109	0-2	3	0.010112
TraNat		Patch	7/30/2020	41.583322	-72.667720	0-2	3	0.010441
TraNat		Patch	7/30/2020	41.583952	-72.668387	0-2	3	0.011899
TraNat		Patch	7/30/2020	41.583472	-72.668352	0-2	3	0.014040
TraNat		Patch	7/30/2020	41.583511	-72.667960	0-2	3	0.014844
TraNat		Patch	7/30/2020	41.583944	-72.668104	0-2	3	0.015825
TraNat		Patch	7/30/2020	41.584217	-72.668405	0-2	3	0.016250
TraNat		Patch	7/30/2020	41.583636	-72.668024	0-2	3	0.016910
TraNat		Patch	7/30/2020	41.583748	-72.668343	0-2	3	0.017659
TraNat		Patch	7/30/2020	41.581858	-72.665656	0-2	3	0.018257
TraNat		Patch	7/30/2020	41.584042	-72.668486	0-2	3	0.018716
TraNat		Patch	7/30/2020	41.581728	-72.665495	0-2	3	0.020268
TraNat		Patch	7/30/2020	41.583816	-72.668483	0-2	3	0.021599
TraNat		Patch	7/30/2020	41.581982	-72.665871	0-2	3	0.022429
TraNat		Patch	7/29/2020	41.559003	-72.621869	0-2	3	0.035635
TraNat		Patch	9/30/2021	41.721312	-72.627790	1-3	3	0.053064
TraNat		Patch	7/8/2020	41.518345	-72.553377	0-1	3	0.053260
TraNat		Patch	9/30/2021	41.721212	-72.629428	1-3	3	0.057743

## Appendix Connecticut River Invasive Plant Location Data (44 of 44)

Invasive Plant Name	Notes	Type	Date	Latitude	Longitude	Depth (m)	Abundance	Area (acres)
TraNat		Patch	7/30/2020	41.586473	-72.667066	0-2	3	0.068692
TraNat		Patch	9/30/2021	41.720839	-72.628928	1-3	3	0.074200
TraNat		Patch	9/30/2021	41.726449	-72.635975	1-3	3	0.076301
TraNat		Patch	9/30/2021	41.723775	-72.631764	1-3	3	0.079138
TraNat		Patch	9/30/2021	41.727612	-72.639153	1-3	3	0.079767
TraNat		Patch	9/30/2021	41.723476	-72.629665	1-3	3	0.086612
TraNat		Patch	9/30/2021	41.728258	-72.638361	1-3	3	0.087887
TraNat		Patch	9/30/2021	41.727824	-72.635287	1-3	3	0.094527
TraNat		Patch	9/30/2021	41.728181	-72.639161	1-3	3	0.096895
TraNat		Patch	9/30/2021	41.716730	-72.625584	1-3	3	0.098332
TraNat		Patch	9/30/2021	41.726255	-72.632117	1-3	3	0.100460
TraNat		Patch	9/30/2021	41.724586	-72.629871	1-3	3	0.117634
TraNat		Patch	9/30/2021	41.725501	-72.634717	1-3	3	0.128122
TraNat		Patch	9/30/2021	41.728229	-72.637635	1-3	3	0.148651
TraNat		Patch	9/30/2021	41.728102	-72.636904	1-3	3	0.157790
TraNat		Patch	9/30/2021	41.727214	-72.638353	1-3	3	0.164538
TraNat		Patch	9/30/2021	41.726872	-72.637336	1-3	3	0.169799
TraNat		Patch	9/30/2021	41.724449	-72.633227	1-3	3	0.197226
TraNat		Patch	7/30/2020	41.582966	-72.666725	0-2	3	0.951507
TraNat	With ValAme	Point	7/29/2020	41.571698	-72.651518	0-2	4	0.0002
TraNat		Point	7/30/2020	41.578763	-72.660988	0-2	4	0.0002
TraNat		Point	7/30/2020	41.601360	-72.627701	0-2	4	0.0002
TraNat		Point	7/30/2020	41.588307	-72.666767	0-2	4	0.0002
TraNat		Point	7/30/2020	41.588239	-72.666716	0-2	4	0.0002
TraNat		Point	7/30/2020	41.588183	-72.666670	0-2	4	0.0002
TraNat		Patch	7/29/2020	41.560121	-72.644498	0-2	4	0.006733
TraNat		Patch	7/29/2020	41.562474	-72.624721	0-2	4	0.023215
TraNat		Patch	7/29/2020	41.559048	-72.622386	0-2	4	0.141471
TraNat		Point	8/3/2020	41.679535	-72.609877	0-2	5	0.0002
TraNat		Point	8/3/2020	41.613321	-72.620115	0-2	5	0.0002
TraNat		Point	8/3/2020	41.613192	-72.620058	0-2	5	0.0002
TraNat		Point	8/3/2020	41.613164	-72.620185	0-2	5	0.0002
TraNat		Point	8/3/2020	41.613246	-72.620196	0-2	5	0.0002
TraNat		Patch	7/30/2020	41.577562	-72.657341	0-1	5	0.026756
TraNat		Patch	8/3/2020	41.613438	-72.620318	0-2	5	0.050830
TraNat		Patch	7/30/2020	41.578996	-72.661282	0-2	5	0.051870
TraNat		Patch	7/30/2020	41.578770	-72.659223	0-1	5	0.056404
TraNat		Patch	7/30/2020	41.587484	-72.665652	0-2	5	0.930213

---

Equal employment opportunity means employment of people without consideration of age, ancestry, color, criminal record (in state employment and licensing), gender identity or expression, genetic information, intellectual disability, learning disability, marital status, mental disability (past or present), national origin, physical disability (including blindness), race, religious creed, retaliation for previously opposed discrimination or coercion, sex (pregnancy or sexual harassment), sexual orientation, veteran status, and workplace hazards to reproductive systems unless the provisions of sec. 46a-80(b) or 46a-81(b) of the Connecticut General Statutes are controlling or there are bona fide occupational qualifications excluding persons in one of the above protected classes. To file a complaint of discrimination, contact Dr. Jason White, Director, The Connecticut Agricultural Experiment Station, 123 Huntington Street, New Haven, CT 06511, (203) 974-8440 (voice), or [Jason.White@ct.gov](mailto:Jason.White@ct.gov) (e-mail). CAES is an affirmative action/equal opportunity provider and employer. Persons with disabilities who require alternate means of communication of program information should contact the Chief of Services, Michael Last at (203) 974-8442 (voice), (203) 974-8502 (FAX), or [Michael.Last@ct.gov](mailto:Michael.Last@ct.gov) (e-mail).

---