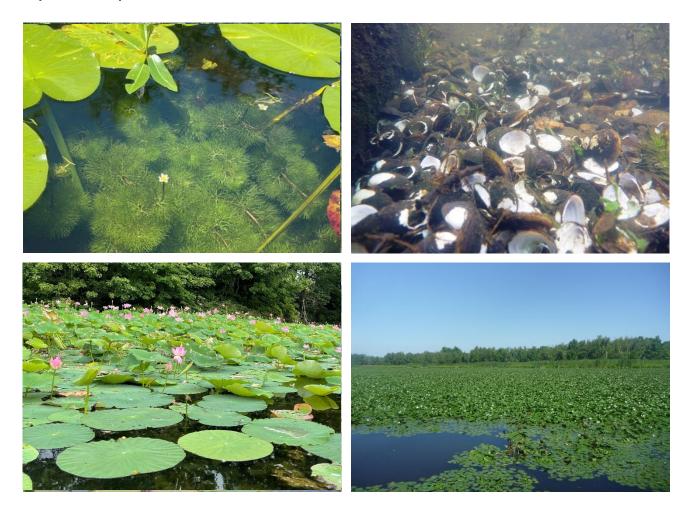
Freshwater Aquatic Invasive Species in Rhode Island

Species-specific Statewide Distributions

October 2021





Rhode Island Department of Environmental Management
Office of Water Resources
235 Promenade Street – Room 200
Providence, RI 02908

Acknowledgements

The Rhode Island Department of Environmental Management's aquatic invasive species (AIS) monitoring activities are supported in part with federal funding provided by the US Environmental Protection Agency under Section 106 of the Clean Water Act and in coordination with the Rhode Island Coastal Resources Management Council provided by the United States Fish and Wildlife Service under The Aquatic Nuisance Species Task Force as authorized under Section 1204 of the Aquatic Nuisance Species Prevention and Control Act. The monitoring activities are supported with technical assistance from the New England Interstate Water Pollution Control Commission. Many thanks to over thirty Seasonal Technical Support Interns, and other staff in the RIDEM Office of Water Resources who have contributed (in fieldwork or office capacities) to documenting these invasives each year since 2007. For specific questions about this document, e-mail DEM.WaterResources@dem.ri.gov.

Photo Documentation*

Cover photos by RIDEM: Fanwort in Olney Pond, Lincoln (2021); Asian Clam in Upper Dam Pond, Coventry (2015); Sacred Lotus in Meshanticuit Pond, Cranston (2021); Water chestnut in Valley Falls Pond, Central Falls (2017).

Photo of variable milfoil (pages 1-7) by RIDEM, taken at Locustville Pond, Hopkinton, 2015

Photo of fanwort (pages 8-13) by RIDEM, taken from Johnson's Pond (Flat Riv. Res.), Coventry, 2008

Photo of Curly-leaf pondweed (pages 14-16) by RIDEM, taken from Pawtuxet River (mainstem), 2009

Photo of water chestnut (page 17-19) by RIDEM, taken at Chapman Pond, Westerly, 2009

Photo of Eurasian milfoil (page 20 & 22) by RIDEM, taken from Blackstone River, 2009

Photo of mudmat (page 23 &24) by RIDEM, taken from Yawgoo Pond, South Kingstown, 2010

Photo of spiny naiad (page 25-26) by RIDEM, taken at Chapman Pond, Westerly, 2010

Photo of inflated bladderwort (page 27 & 28) by RIDEM, taken from Spring Lake, Burrillville, 2010

Photo of water hyacinth (page 29 & 30) by RIDEM, taken at Pawcatuck River, White Rock Dam, 2012

Photo of Brazilian elodea (page 31 & 32) by RIDEM, taken from Arnold Pond, Coventry, 2009

Photo of yellow floating heart (page 33 & 34) by RIDEM, taken at Dexter Pond, Scituate, 2010

Photo of American lotus (page 35 & 36) by RIDEM, taken at Chapman Pond, Westerly, 2010

Photo of parrot feather (page 37 & 38) by RIDEM, at Pocasset Pond (Memorial Park Pond), Johnston, 2014

Photo of sacred lotus (page 39) by RIDEM, taken at Meshanticut Pond, Cranston, 2018

Photo of sacred lotus (page 40) by RIDEM, taken at Meshanticut Pond, Cranston, 2020

Photo of Asian clam (page 44) by RIDEM, taken from Lake Mishnock, West Greenwich, 2009

Photo of Asian clam (page 45 & 46) by RIDEM, taken from Lake Mishnock, West Greenwich, 2009

Photo of Chinese mystery snail (page 41) by RIDEM, taken at Oak Swamp Reservoir, Johnston, 2009

Photo of Chinese mystery snail (pages 42 & 43) by RIDEM, taken at Turner Reservoir, E. Providence, 2011

Overview and Contents

Between 2007 and 2021 the Rhode Island Department of Environmental Management, Office of Water Resources (OWR) has been documenting the presence of aquatic invasive species (AIS) in lakes, ponds and rivers, statewide. RIDEM OWR monitors approximately 20 lakes or ponds during the summer by visually surveying for invasives, and as resources allow, may visit additional ponds in response to public concerns. To date, RIDEM has visited 167 lakes or ponds, and visited hundreds of sites on streams.

As of November 2021, at least one invasive species was documented by RIDEM staff at 109 lakes or ponds (65% of the visited locations) in addition to invasives found at sites along 27 distinct rivers. A map of this data and list of each location by town, with the invasives species that were identified can be downloaded here: http://www.dem.ri.gov/programs/benviron/water/wetlands/pdfs/invasive.pdf. Provided herein are maps showing the species-specific statewide distribution of 16 different invasive species (see page number below) accompanied by a list of locations where the species was documented (plants in order below from least to most common).

Number of Documented Freshwaters with Invasive Species (as of October 22, 2021) (listed most common to least common)					
Invasive Species	Scientific Name	Rivers	Lakes/Ponds	Total	Page Number
1. Variable milfoil	Myriophyllum heterophyllum	19	69	88	(1)
2. Fanwort	Cabomba caroliniana	16	61	77	(8)
3. Curly-leaf pondweed	Potamogeton crispus	7	14	21	(14)
4. Water chestnut	Trapa natans	3	16	19	(17)
5. Eurasian milfoil	Myriophyllum spicatum	2	12	14	(20)
6. Mudmat	Glossostigma cleistanthum	1	12	13	(23)
7. Spiny naiad	Najas minor	0	11	11	(25)
8. Inflated bladderwort	Utricularia inflata	0	9	9	(27)
9. Water hyacinth	Eichhornia crassipes	1	4	5	(29)
10. Brazilian elodea	Egeria densa	0	5	5	(31)
11. Yellow floating heart	Nymphoides peltata	0	3	3	(33)
12. American lotus	Nelumbo lutea	0	2	2	(35)
13. Parrot feather	Myriophyllum aquaticum	0	1	1	(37)
14. Sacred lotus	Nelumbo nucifera	0	1	1	(39)
15. Chinese mystery snail	Cipangopadula chinensis	3	23	26	(41)
16. Asian clam	Corbicula fluminea	8	17	25	(44)
Total waterbodies with at least one invasive*		27	108	more t specie	waterbodies have han one invasive s; therefore, total distinct waterbodies

Fact Sheets

For more information on the specific invasive species, fact sheets are also available on the RIDEM website. They have been updated in January 2018, so if you have visited these pages before, please refresh your browser.

Parrot Feather

http://www.dem.ri.gov/programs/benviron/water/quality/surfwq/aisfs/myraqu-fs.pdf

American Lotus

http://www.dem.ri.gov/programs/benviron/water/quality/surfwq/aisfs/lotus-fs.pdf

Yellow Floating Heart

http://www.dem.ri.gov/programs/benviron/water/quality/surfwq/aisfs/nympel-fs.pdf

Brazilian Elodea

http://www.dem.ri.gov/programs/benviron/water/quality/surfwq/aisfs/egeden-fs.pdf

Water Hyacinth

http://www.dem.ri.gov/programs/benviron/water/quality/surfwq/aisfs/eiccra-fs.pdf

Inflated Bladderwort

http://www.dem.ri.gov/programs/benviron/water/quality/surfwq/aisfs/bladderwort-fs.pdf

Water Chestnut

http://www.dem.ri.gov/programs/benviron/water/quality/surfwq/aisfs/tranat-fs.pdf

Spiny Naiad

http://www.dem.ri.gov/programs/benviron/water/quality/surfwq/aisfs/najmin-fs.pdf

Mudmat

http://www.dem.ri.gov/programs/benviron/water/quality/surfwq/aisfs/glocle-fs.pdf

Eurasian milfoil

http://www.dem.ri.gov/programs/benviron/water/guality/surfwg/aisfs/myrspi-fs.pdf

Curly-leaf Pondweed

http://www.dem.ri.gov/programs/benviron/water/quality/surfwg/aisfs/potcri-fs.pdf

Fanwort

http://www.dem.ri.gov/programs/benviron/water/quality/surfwg/aisfs/cabcar-fanwort-fs.pdf

Variable Milfoil

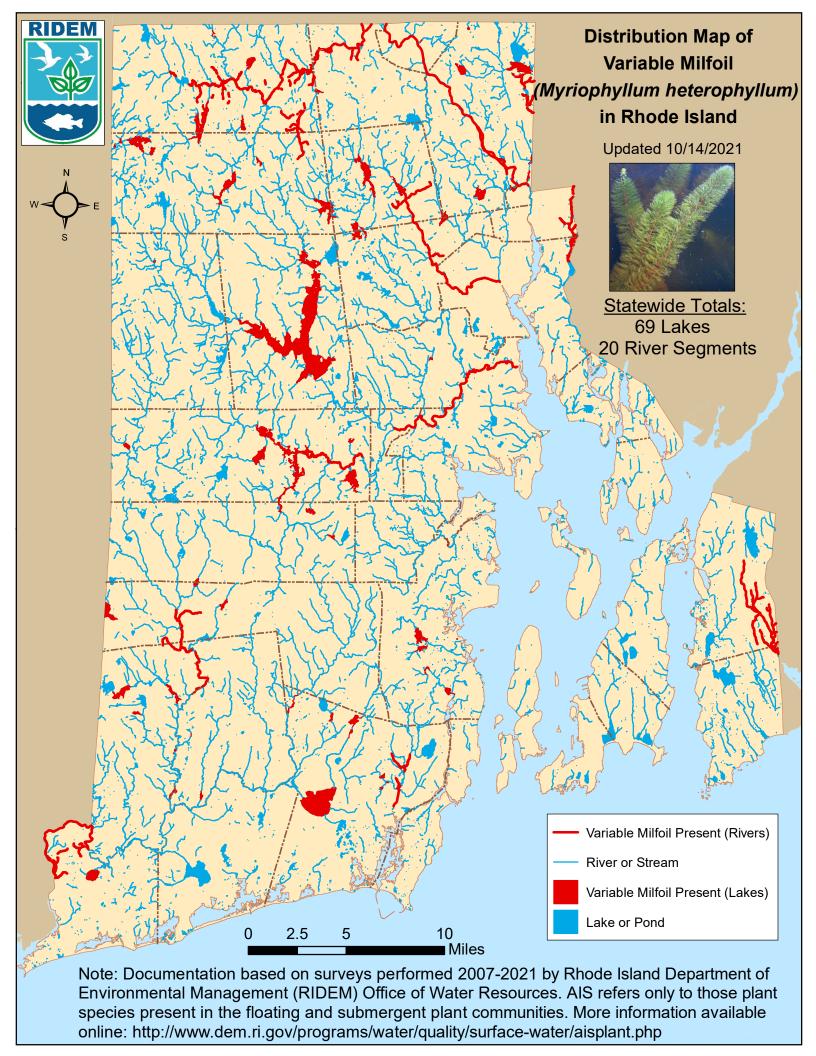
http://www.dem.ri.gov/programs/benviron/water/quality/surfwg/aisfs/variable-milfoil-fs.pdf

Asian Clam

http://www.dem.ri.gov/programs/benviron/water/quality/surfwq/aisfs/corflu-fs.pdf

Chinese Mystery Snail

http://www.dem.ri.gov/programs/benviron/water/quality/surfwq/aisfs/cipchi-fs.pdf





wn Waterbody Name	First documented	Last Surveyed
1 Abbott Run Brook North & Tribs	5/13/2009	7/7/2009
2 Adamsville Brook & Tribs	9/7/2012	9/7/2012
Blackstone River (Seg A)	7/22/2009	6/24/2021
Branch River & Tribs (Seg A)	7/15/2009	7/20/2009
Branch River & Tribs (Seg B)	7/15/2009	7/15/2009
6 Clear River & Tribs (Seg C)	8/1/2007	8/15/2018
7 Clear River (Seg D)	8/1/2007	8/1/2007
Pawcatuck River & Tribs	8/6/2009	9/8/2020
9 Pawtuxet River (Main Stem)	6/28/2010	9/9/2020
Pawtuxet River (South Branch Seg A)	6/27/2018	6/27/2018
11 Saugatucket River & Tribs	7/20/2010	7/20/2010
12 Tarkiln Brook & Tribs (Seg A)	7/20/2009	7/20/2009
13 Tarkiln Brook & Tribs (Seg B)	5/20/2009	7/20/2009
Ten Mile River & Tribs (Seg A)	8/10/2007	6/5/2021
Wood River & Tribs (Seg A)	7/9/2009	7/10/2009
16 Wood River (Seg B)	9/30/2008	8/16/2012
Woonasquatucket River & Tribs (Seg B)	6/1/2009	6/28/2019
18 Woonasquatucket River & Tribs (Seg C)	6/1/2009	6/4/2019
19 Woonasquatucket River (Seg D) rrillville	6/17/2009	6/28/2019



Town	Waterbody Name	First documented	Last Surveyed
Burrilly	<u>ville</u>		W BOLL
20	Echo Lake (Pascoag Reservoir)	9/12/2008	9/13/2012
21	Round Top State Pond	6/11/2010	6/26/2019
22-		0/2/2010	6/0/2040
23	Spring Lake (Herring Pond)	6/3/2010	6/8/2018
	Sucker Pond	8/20/2018	8/20/2018
Centra 24	I Falls	P. C. MASSAN AND	
	Valley Falls Pond	8/9/2017	8/9/2017
Coven	try		
25	Carbuncle Pond	6/15/2009	8/31/2020
26	Coventry Reservoir (Stump Pond)	9/4/2008	7/27/2016
27-	Flat River Reservoir (Johnson Pond)	8/22/2008	9/21/2018
28	Tiogue Lake	9/5/2007	9/9/2020
29	Upper Dam Pond	8/28/2020	8/28/2020
Cranst			0.20.2020
30-	Meshanticut Pond	8/6/2018	8/20/2021
Cumbe	THE RESERVE TO SHEET SHEET	0/0/2010	0/20/2021
31	Arnold Mills Reservoir (Pawtucket Reservoi	r) 6/24/2011	6/24/2011
32-			1
33	Carls Pond	9/1/2020	6/8/2021
	Happy Hollow Pond	8/18/2010	8/18/2010
34	Robin Hollow Pond	8/18/2010	8/18/2010
35	Sneech Pond	6/3/2010	9/24/2018
36-	Sylvn's Pond (Sylvn's Brook Pond)	8/7/2014	10/4/2017
7-1	Cylino i olia (Cylino Block i olia)	0/1/2014	10/7/2017



Town Waterbody Name	First documented	Last Surveyed
East Providence		W 3 W 180
Central Pond	9/30/2009	8/13/2020
38		
Willet Pond	9/11/2012	9/17/2020
xeter	Mary Comments	
Beach Pond	6/19/2019	6/19/2019
Boone Lake	8/25/2011	8/25/2011
Breakheart Pond	9/5/2007	8/19/2020
<u>Foster</u>		
42 Shippee Saw Mill Pond	9/26/2007	8/15/2017
Glocester		
Bowdish Reservoir	9/25/2007	6/15/2018
44 Clarksville Pond	6/30/2010	8/24/2018
45 Hawkins Pond (Glocester)	9/28/2016	9/28/2016
46 Keech Pond	9/26/2007	8/1/2017
47 Lake Washington	8/2/2007	6/10/2019
48 Sawmill Pond	6/30/2010	9/5/2018
Smith & Sayles Reservoir	9/26/2007	8/30/2021
50 Spring Grove Pond	10/5/2009	6/8/2018
51 Waterman Reservoir	7/17/2009	7/27/2016
Hopkinton		
52 Alton Pond	9/5/2007	6/7/2018
53 Ashville Pond	9/5/2007	7/5/2019
54	3.3,2301	7.5.2510



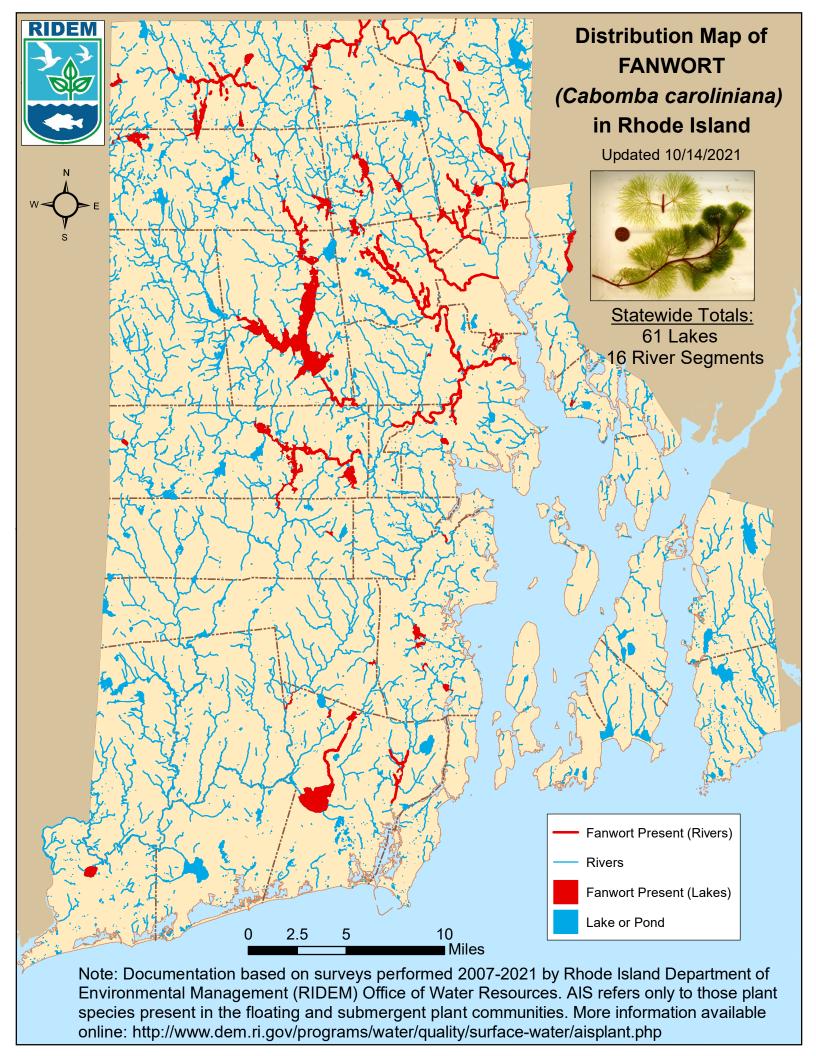
Town Waterbody Name	First documented	Last Surveyed
<u>Hopkinton</u>		W B W KU
54 Locustville Pond	9/3/2008	9/9/2020
55 Wincheck Pond	6/2/2011	6/2/2011
56 Wyoming Pond	9/30/2008	9/11/2017
Johnston, Smithfield		
57 Slack Reservoir	7/13/2009	10/19/2011
Lincoln	AND WORK FOR	
Olney Pond	5/27/2010	6/23/2021
North Kingstown		
59 Belleville Ponds	9/10/2007	5/25/2021
Carr Pond (N. Kingstown)	9/28/2009	6/16/2016
Mill Pond (NK)	8/2/2018	8/2/2018
62 Potowomut Pond	8/29/2008	8/17/2021
Secret Lake	7/3/2009	6/18/2010
64 Silver Spring Lake	8/27/2009	8/16/2017
North Providence		0, 10,2011
65		
Wenscott Reservoir (Twin Rivers)	6/10/2009	8/3/2020
North Smithfield		
66 Slatersville Reservoir	9/25/2007	7/20/2017
67 Tarkiln Pond	6/25/2009	8/30/2018
Richmond		
68		
Carolina Trout Pond	7/9/2009	8/28/2017
69 Meadowbrook Pond (Sandy Pond)	10/6/2009	8/21/2017



First documented	Last Surveyed
8/23/2012	8/23/2012
6/17/2010	7/11/2012
8/2/2011	8/3/2011
	V
8/7/2007	6/28/2019
6/23/2015	9/14/2018
nd) 7/13/2009	7/31/2018
7/2/2019	7/2/2019
8/29/2007	7/27/2017
7/1/2010	9/6/2018
9/3/2009	9/3/2009
7/12/2012	8/10/2017
6/14/2010	8/2/2018
9/3/2009	9/3/2009
10/2/2009	10/2/2009
9/4/2008	8/27/2018
9/5/2007	8/25/2021
9/5/2007	5/22/2021
	8/23/2012 6/17/2010 8/2/2011 8/7/2007 6/23/2015 and) 7/13/2009 7/2/2019 8/29/2007 7/1/2010 9/3/2009 7/12/2012 6/14/2010 9/3/2009 10/2/2009 9/4/2008 9/5/2007



Town Waterbody Name	First documented	d <u>Last Surveyed</u>
Westerly 87		
Chapman Pond	7/14/202	0 6/1/2021
Woonsocket		Mules
88 Sylvestre Pond	5/27/201	5 7/29/2021





Distribution of fanwort (Cabomba caroliniana) in RI river segments listed first alphabetically; then lakes listed by city or town

First documented	Last Surveyed
7/29/2008	6/24/2021
7/15/2009	7/15/2009
10/2/2009	10/2/2009
6/25/2009	8/15/2018
8/17/2009	8/17/2009
7/30/2008	9/9/2020
6/17/2019	6/17/2019
6/27/2018	6/27/2018
7/1/2008	7/1/2008
7/1/2019	7/1/2019
8/8/2018	9/5/2018
7/20/2010	7/20/2010
6/19/2012	6/19/2012
7/14/2009	7/14/2009
8/25/2009	6/4/2019
6/17/2009	6/28/2019
9/11/2012	9/17/2020
	7/15/2009 10/2/2009 6/25/2009 8/17/2009 7/30/2008 6/17/2019 6/27/2018 7/1/2008 7/1/2019 8/8/2018 7/1/2019 8/8/2010 6/19/2012 7/14/2009 8/25/2009



Distribution of fanwort (Cabomba caroliniana) in RI river segments listed first alphabetically; then lakes listed by city or town

Town <u>Waterbody Name</u>	First documented	Last Surveyed
<u>Burrillville</u>		
18		
Echo La <mark>ke</mark> (Pascoag Reservoir)	9/25/2007	9/13/2012
19 Coving Lake (Harring Band)	0/05/0007	C/0/2040
Spring Lake (Herring Pond)	9/25/2007	6/8/2018
Sucker Pond	10/9/2009	8/20/2018
21	FEETAN 1 11 10 10 10 10 10 10 10 10 10 10 10 1	
Wakefield Pond	9/10/2007	8/22/2017
Central Falls		
22		
Valley Falls Pond	8/9/2017	8/9/2017
Coventry		
23————————————————————————————————————	9/5/2007	8/31/2020
24	3/3/2001	0/31/2020
Flat River Reservoir (Johnson Pond)	9/5/2007	9/21/2018
25		A CONTRACTOR
Maple Root Pond	7/27/2016	7/27/2016
26		A VIII LAND
Tiogue Lake	9/5/2007	9/9/2020
Cranston 27		
Meshanticut Pond	8/6/2018	8/20/2021
28	Ororzono	0/20/2021
Print Works Pond	8/7/2009	8/7/2009
29		
Randall Pond	7/13/2011	7/19/2017
<u>Cumberland</u>		
30	0/40/0040	0/40/0040
Happy Hollow Pond 31	8/18/2010	8/18/2010
Robin Hollow Pond	8/18/2010	8/18/2010
32	0/10/2010	S, 10/2010
Sneech Pond	6/3/2010	9/24/2018
33		



Distribution of fanwort (Cabomba caroliniana) in RI

Town Waterbody Name	First documented	Last Surveyed
Sylvn's Pond (Sylvn's Brook Pond)	8/7/2014	10/4/2017
East Providence		
34		
Central Pond 35	9/30/2009	8/13/2020
Turner Reservoir	8/12/2020	5/27/2021
36————————————————————————————————————	0/12/2020	3/2//2021
Willet Pond	9/11/2012	9/17/2020
<u>Exeter</u>		
37	200	
The Reservoir	7/29/2009	7/29/2009
Warwick Sportsman's Association Pond	10/14/2016	9/24/2018
Glocester		
39	2/02/02/0	
Bowdish Reservoir	9/20/2010	6/15/2018
40 Clarksville Pond	6/30/2010	8/24/2018
41		STATE MALE
Hawkins Pond (Glocester)	9/28/2016	9/28/2016
42Sawmill Pond	6/30/2010	9/5/2018
43	0/30/2010	9/5/2016
Spring Grove Pond	10/5/2009	6/8/2018
44		
Waterman Reservoir	7/17/2009	7/27/2016
Johnston, Smithfield		
45 Slack Reservoir	7/13/2009	10/19/2011
<u>Lincoln</u>		
46		3887
Olney Pond	9/6/2007	6/23/2021
North Kingstown		
47	0/4.0/0007	F10F10004
Belleville Ponds	9/10/2007	5/25/2021



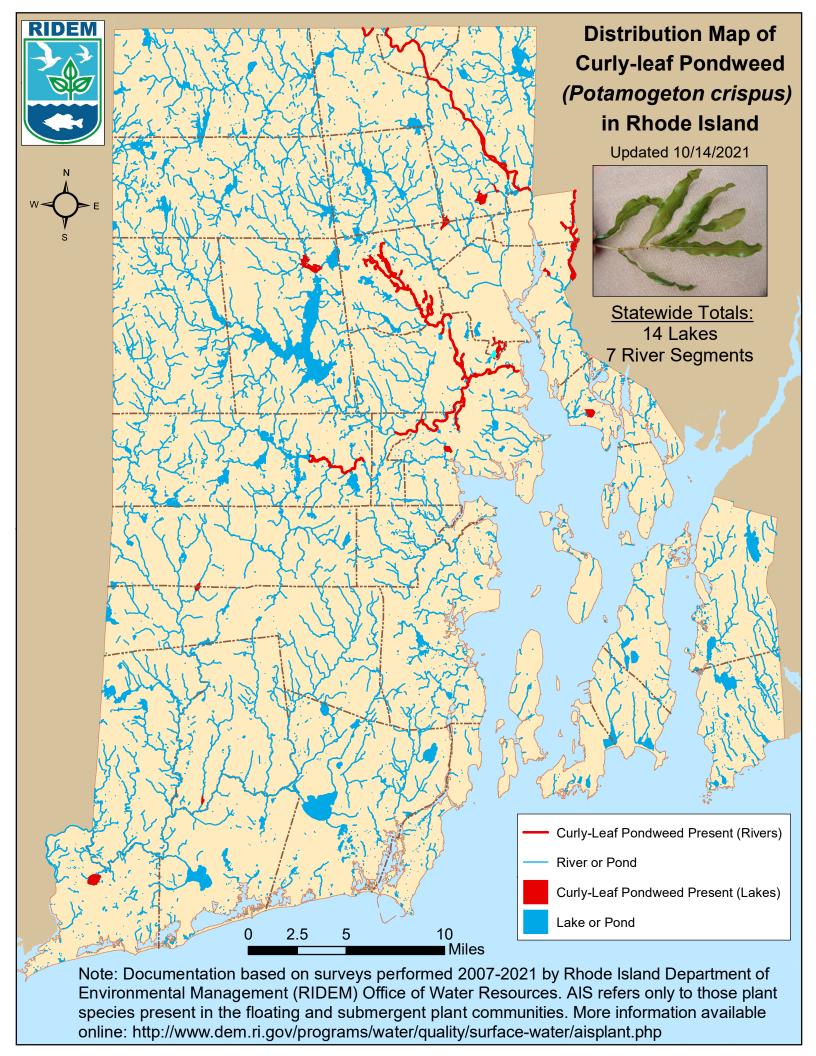
<u>Distribution of fanwort (Cabomba caroliniana) in RI</u> river segments listed first alphabetically; then lakes listed by city or town

Town Waterbody Name	First documented	Last Surveyed
48 Carr Po <mark>nd</mark> (N. Kingstown)	9/28/2009	6/16/2016
Potowomut Pond	8/29/2008	8/17/2021
50————————————————————————————————————	7/3/2009	
51		
Silver Spring Lake North Providence	9/10/2007	8/16/2017
52————————————————————————————————————	7/17/2009	5/27/2010
53 Wenscott Reservoir (Twin Rivers)	6/10/2009	8/3/2020
North Smithfield 54	ZZZAN I A	SALVIAN .
Slatersville Reservoir 55———————————————————————————————————	10/9/2009	7/20/2017
Tarkiln Pond Providence	6/25/2009	8/30/2018
56 Roger Williams Park Ponds	9/14/2009	7/3/2020
<u>Scituate</u>	611,1200	1,0,101
57————————————————————————————————————	8/23/2012	8/23/2012
58 Regulating Reservoir	6/17/2010	7/11/2012
59Scituate Reservoir	8/2/2011	8/3/2011
Smithfield 60		
Georgiaville Pond 61	9/15/2007	6/28/2019
Hawkins Pond	6/20/2011	9/14/2018
Lower Sprague Reservoir	8/13/2020	8/3/2021
00		



Distribution of fanwort (Cabomba caroliniana) in RI

First documented	Last Surveyed
9/26/2007	7/31/2018
8/29/2007	7/27/2017
	The state of the s
9/6/2018	9/6/2018
0/2/2000	0/2/2000
9/3/2009	9/3/2009
6/22/2016	6/22/2016
0/22/2010	O/ZZ/ZO10
9/3/2009	9/3/2009
	250
10/2/2009	10/2/2009
DONE SERVICE	
6/15/2010	9/9/2020
9/4/2008	9/4/2008
10///2017	10/4/2017
10/4/2017	10/4/2017
9/5/2007	8/25/2021
9/5/2007	5/22/2021
	2222500
9/24/2020	9/24/2020
	Page 1
6/23/2016	6/1/2021
401410040	7/00/000
10/4/2012	7/29/2021
	8/29/2007 9/6/2018 9/3/2009 6/22/2016 9/3/2009 10/2/2009 6/15/2010 9/4/2008 10/4/2017 9/5/2007 9/5/2007





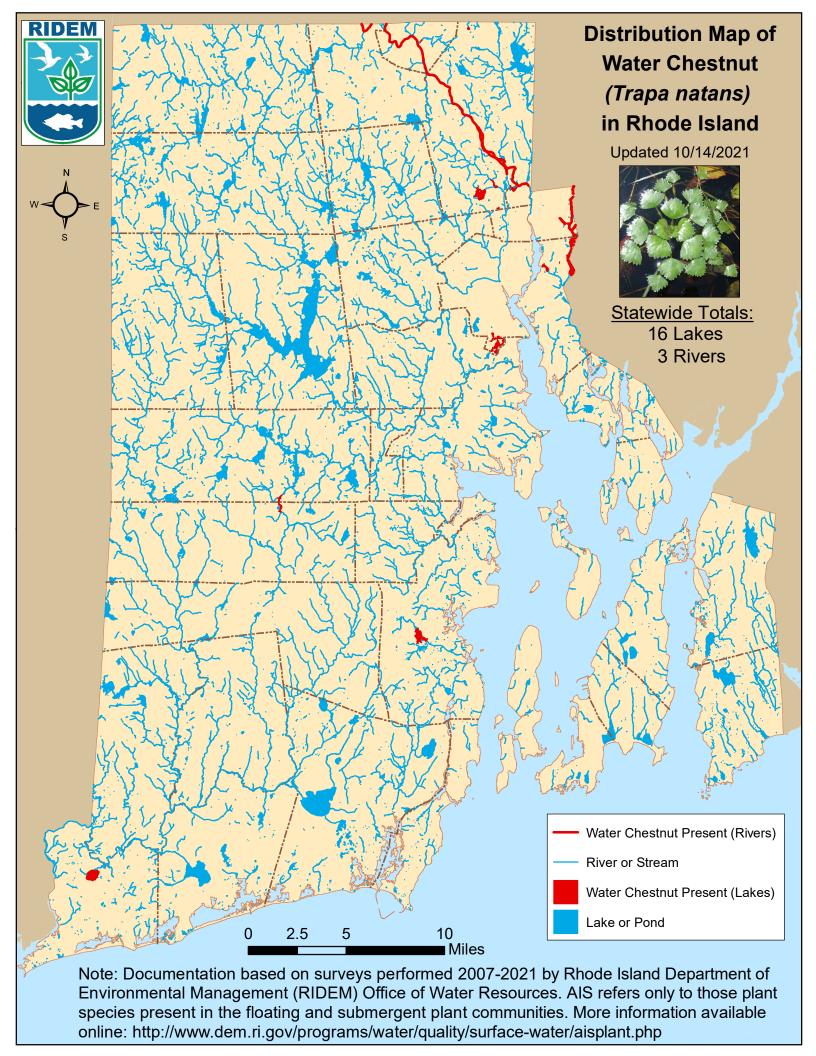
Distribution of curly-leaf pondweed (P. crispus) in RI

Town Waterbody Name	First documented	Last Surveyed
RIVERS		
Blackstone River (Seg A)	8/13/2010	6/24/2021
Pawtuxet River (Main Stem)	8/11/2009	9/9/2020
Pawtuxet River (South Branch Seg A)	7/30/2012	6/27/2018
Pocasset River & Tribs (Seg A)	7/1/2019	7/1/2019
Pocasset River & Tribs (Seg B)	9/5/2018	9/5/2018
Ten Mile River & Tribs (Seg A)	7/3/2009	6/5/2021
7 Three Pond Brook	6/19/2012	6/19/2012
Barrington		
8 Brickyard Pond	9/10/2007	9/14/2020
Cranston		
9 Blackamore Pond	7/25/2017	7/25/2017
East Providence		
10 Central Pond	9/30/2009	8/13/2020
11 Omega Pond	6/10/2021	6/10/2021
12 Turner Reservoir	6/9/2010	5/27/2021
<u>Exeter</u>		
13 Breakheart Pond	8/19/2020	8/19/2020
Lincoln		
14 Barney Pond	9/30/2009	6/4/2021
15		
Olney Pond	5/27/2010	6/23/2021
North Providence		
16 Wenscott Reservoir (Twin Rivers)	6/10/2009	8/3/2020



Distribution of curly-leaf pondweed (P. crispus) in RI

Town Waterbody Name	First documented	Last Surveyed
<u>Providence</u>		
17 Roger Williams Park Ponds	4/26/2010	7/3/2020
Richmond		
18 Meadowbrook Pond (Sandy Pond)	8/21/2017	8/21/2017
Scituate		
19 Regulating Reservoir	7/11/2012	7/11/2012
Warwick		
20 Gorton Pond	6/5/2015	9/9/2020
Westerly		
21 Chapman Pond	7/9/2012	6/1/2021





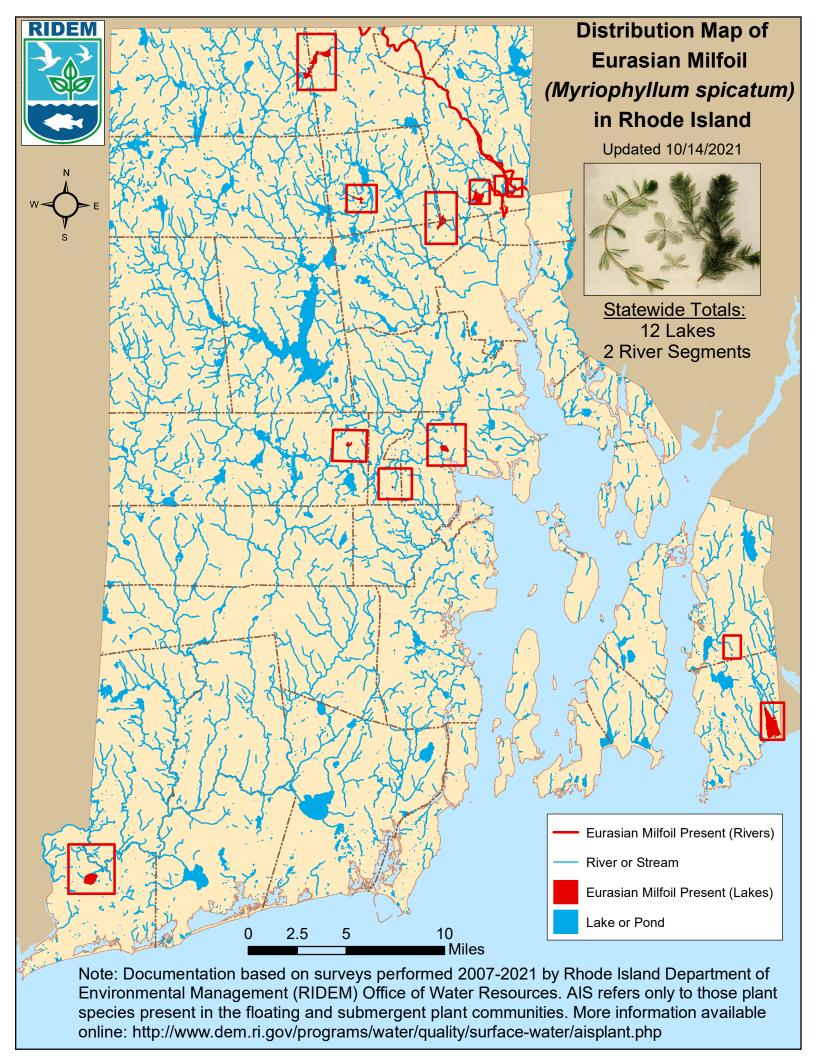
Distribution of water chestnut (Trapa natans) in RI

Town Waterbody Name RIVERS	First documented	Last Surveyed
1 Blackstone River (Seg A)	8/11/2020	6/24/2021
Ten Mile River & Tribs (Seg A)	6/5/2021	6/5/2021
Ten Mile River & Tribs (Seg B)	6/30/2021	6/30/2021
Central Falls		
4 Valley Falls Pond	8/9/2017	8/9/2017
Cumberland		
5 Carls Pond	9/1/2020	6/8/2021
East Providence		
6 Central Pond	9/30/2009	8/13/2020
Lakeside Cemetery Pond	7/3/2020	7/3/2020
8 Omega Pond	6/10/2021	6/10/2021
9 Turner Reservoir	7/30/2009	7/16/2021
<u>Foster</u>		
10 Porters Pond	10/1/2008	10/1/2008
<u>Hopkinton</u>		
11 Solitude Springs Farm Ponds	6/11/2016	7/10/2017
Lincoln		
12 Barney Pond	6/12/2019	7/13/2021
13 Olney Pond	6/27/2019	7/22/2021
14 Spectacle Pond (Lincoln)	7/29/2021	8/6/2021



Distribution of water chestnut (Trapa natans) in RI

Town Waterbody Name	First documented	Last Surveyed
North Kingstown		
15 Belleville Ponds	7/25/2008	8/4/2021
Providence		
16 Roger Williams Park Ponds	7/27/2018	7/3/2020
West Greenwich		
17 Reynolds Pond	8/25/2021	8/25/2021
Westerly		
18 Chapman Pond	7/10/2009	6/29/2021
Woonsocket		
19 Sylvestre Pond	10/4/2012	7/29/2021





<u>Distribution of Eurasian milfoil (M. spicatum) in RI</u> river segments listed first alphabetically; then lakes listed by city or town

Town Waterbody Name	First documented	Last Surveyed
RIVERS		
Blackstone River (Seg A)	7/22/2009	6/24/2021
Moshassuck River & Tribs (Seg B)	8/17/2009	8/17/2009
Central Falls	When	
Valley Falls Pond	8/9/2017	8/9/2017
Coventry		
Upper Dam Pond	8/28/2020	8/28/2020
Lincoln		1
5 Barney Pond	9/30/2009	6/4/2021
6 Olney Pond	9/6/2007	6/23/2021
<u>Little Compton</u>		
7 Quicksand Pond	9/11/2020	9/11/2020
North Providence		
8 Wenscott Reservoir (Twin Rivers)	7/28/2016	8/3/2020
North Smithfield		
9 Slatersville Reservoir	6/17/2012	7/20/2017
Smithfield		
10 Lower Sprague Reservoir	8/3/2021	8/3/2021
<u>Tiverton</u>		7
11 Eight Rod Farm Pond	9/7/2012	9/25/2020
Warwick		
12 Gorton Pond	6/15/2010	9/9/2020
West Warwick		
13 Juniper Drive Pond	8/15/2012	9/24/2020
Westerly	My	11/21

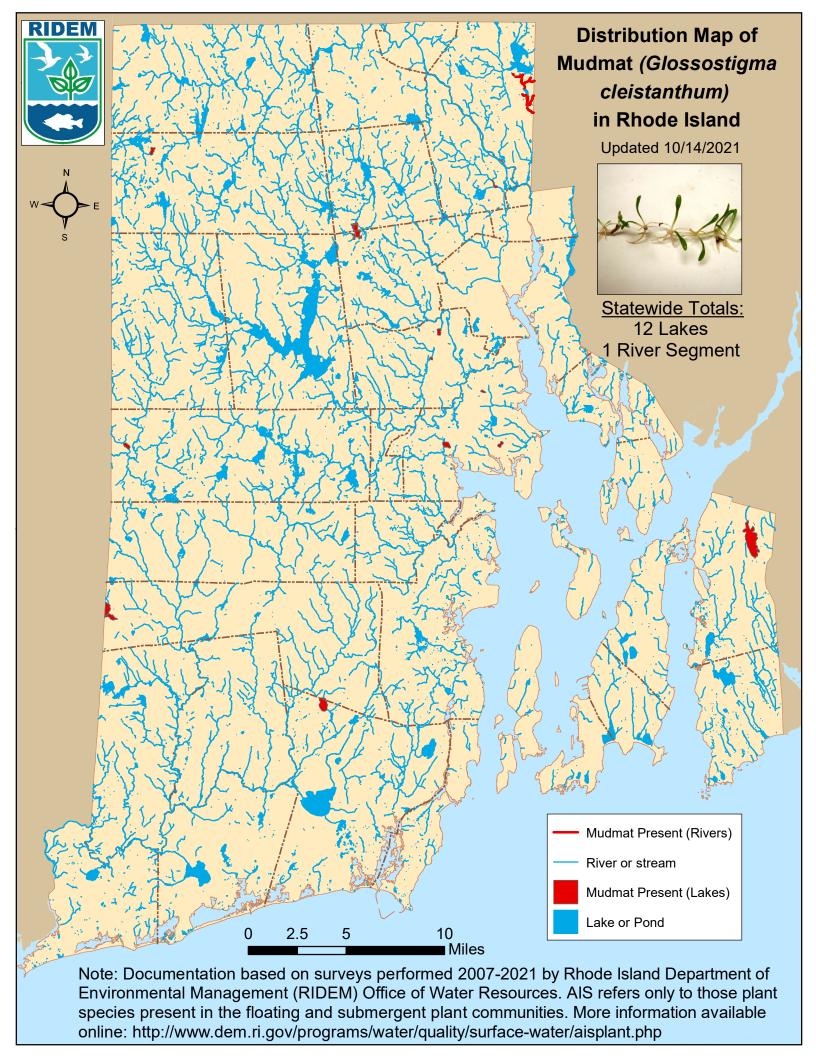


Distribution of Eurasian milfoil (M. spicatum) in RI

river segments listed first alphabetically; then lakes listed by city or town

Town Waterbody Name First documented Last Surveyed

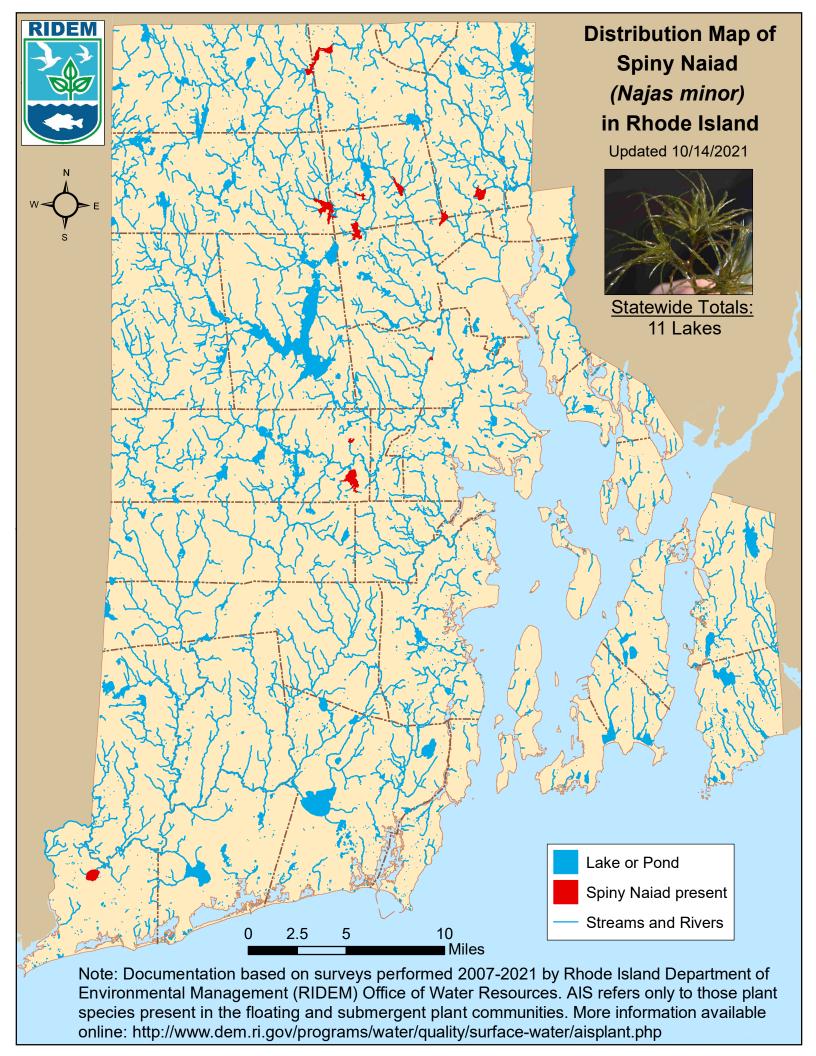
Chapman Pond 9/5/2007 6/1/2021





Distribution of mudmat (G. cleistanthum) in RI

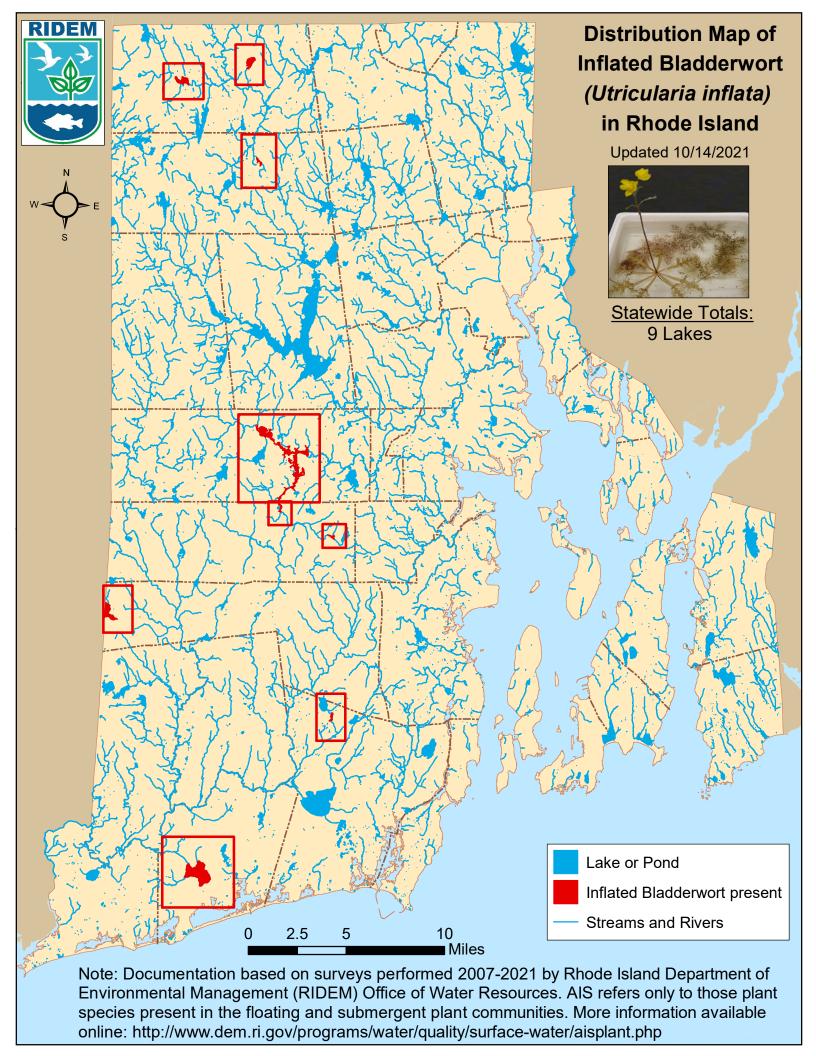
Town Waterbody Name	First documented	Last Surveyed
RIVERS 1		
Abbott Run Brook North & Tribs	5/13/2009	7/7/2009
Coventry		
Carbuncle Pond	10/11/2011	8/31/2020
Cranston		
Meshanticut Pond	9/11/2020	8/20/2021
4 Randall Pond	10/13/2011	7/19/2017
<u>Exeter</u>		
5 Beach Pond	6/19/2019	6/19/2019
Glocester 6	Acres 1	
Lake Washington	8/19/2010	6/10/2019
Johnston, Smithfield		
7 Slack Reservoir	10/19/2011	10/19/2011
Lincoln 8	4	
Barney Pond	6/12/2019	6/4/2021
South Kingstown		
9 Yawgoo Pond	7/1/2010	7/1/2010
<u>Tiverton</u>		
10 Stafford Pond	9/9/2010	9/9/2010
Warwick		
11 Gorton Pond	6/15/2010	9/9/2020
Sand Pond (N. of Airport)	6/22/2011	6/22/2011
Sandy Pond (S. of Airport) (Little Pond)	7/23/2010	8/7/2018





Distribution of spiny naiad (Najas minor) in RI

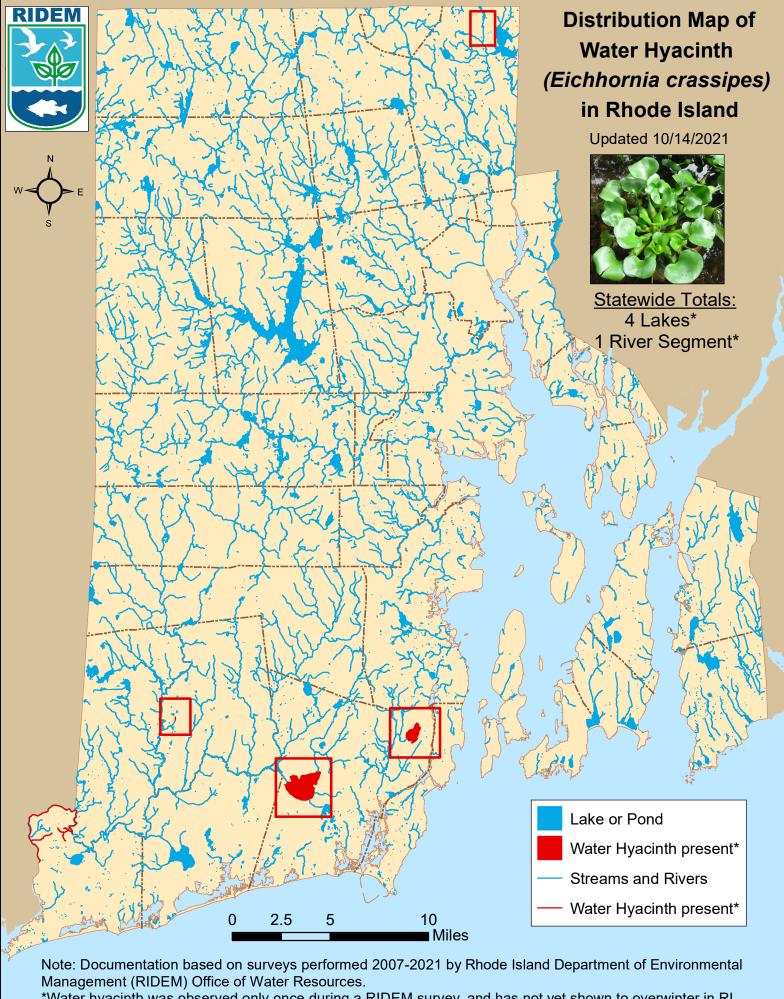
Town Waterbody Name Coventry	First documented	Last Surveyed
1 Tiogue Lake	8/10/2016	9/9/2020
Upper Dam Pond	7/23/2010	8/28/2020
Cranston		
Meshanticut Pond Glocester	8/20/2021	8/20/2021
4 Waterman Reservoir Johnston, Smithfield	6/21/2011	7/27/2016
5 Slack Reservoir	7/13/2009	10/19/2011
<u>Lincoln</u>	a the same	
Olney Pond	7/14/2011	6/23/2021
North Providence		
Wenscott Reservoir (Twin Rivers) North Smithfield	7/1/2014	8/3/2020
8 Slatersville Reservoir Smithfield	6/17/2012	7/20/2017
9 Georgiaville Pond	6/21/2011	6/28/2019
Lower Sprague Reservoir Westerly	8/3/2021	8/3/2021
11		
Chapman Pond	8/10/2010	6/1/2021





Distribution of inflated bladderwort (U. inflata) in RI

Town Waterbody Name	First documented	Last Surveyed
Burrillville		
Spring Lake (Herring Pond)	6/3/2010	6/8/2018
Wilson Reservoir	6/15/2012	8/26/2020
Charlestown		
Watchaug Pond	8/31/2012	6/2/2016
Coventry		
Flat River Reservoir (Johnson Pond)	7/18/2012	9/21/2018
Exeter	Alexander .	
5 Beach Pond	6/19/2019	6/19/2019
Glocester		The same of the sa
6 Spring Grove Pond	6/1/2016	6/8/2018
South Kingstown	SAR INTER	
7 Barber Pond	6/2/2016	7/27/2017
West Greenwich	14/4	
8 Reynolds Pond	8/25/2021	8/25/2021
9 Tarbox Pond	5/22/2021	5/22/2021



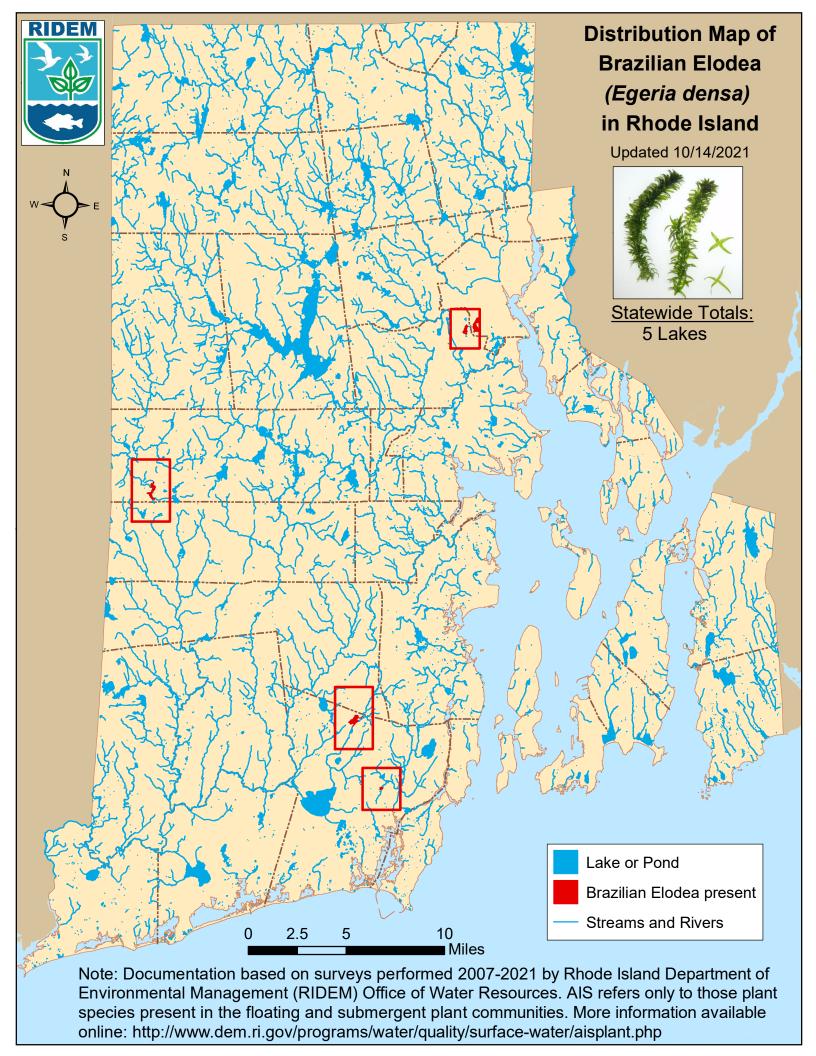
*Water hyacinth was observed only once during a RIDEM survey, and has not yet shown to overwinter in RI. More information available online: http://www.dem.ri.gov/programs/water/quality/surface-water/aisplant.php



Distribution of water hyacinth (E. crassipes) in RI

Town Waterbody Name	First documented La	st Surveyed
Pawcatuck River & Tribs Cumberland	9/6/2012	9/8/2020
Sylvn's Pond (Sylvn's Brook Pond) Richmond	8/7/2014	10/4/2017
Carolina Trout Pond South Kingstown	10/7/2008	8/28/2017
4 Indian Lake	7/29/2009	8/10/2018
5 Worden Pond	9/4/2009	10/2/2009

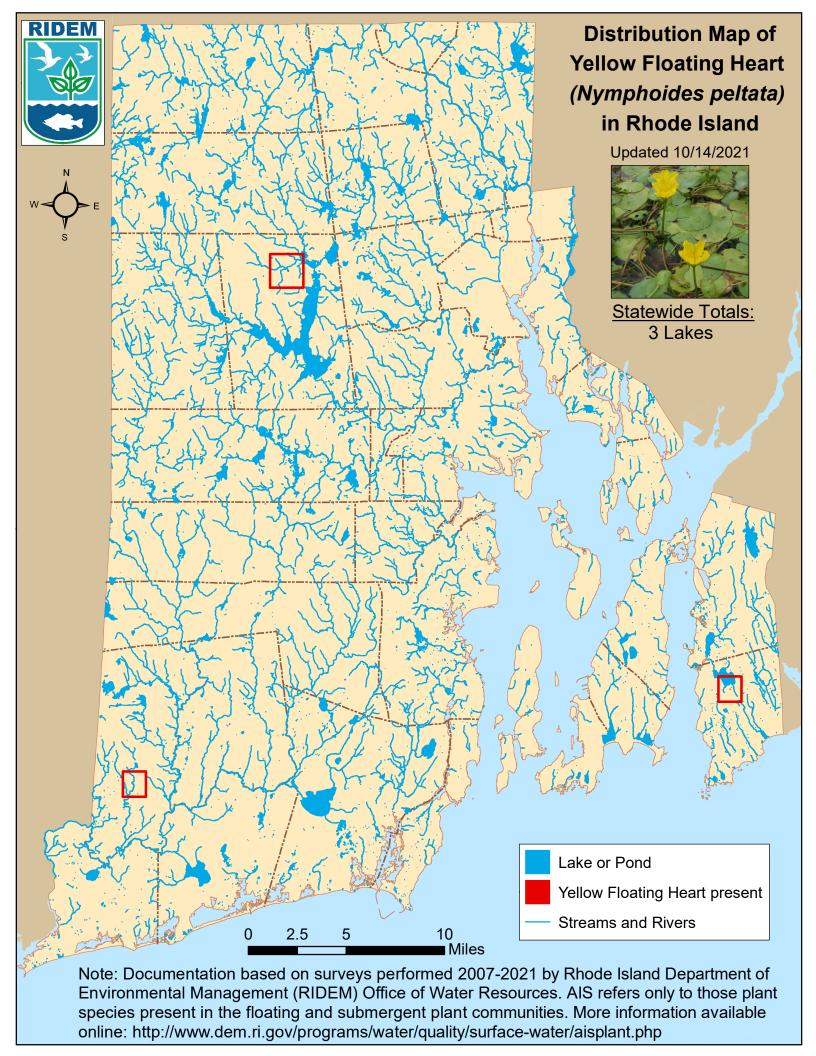
^{*}Note: water hyacinth was found only on date first documented, and has not been found to overwinter yet in Rhode Island*





Distribution of Brazilian elodea (Egeria densa) in RI

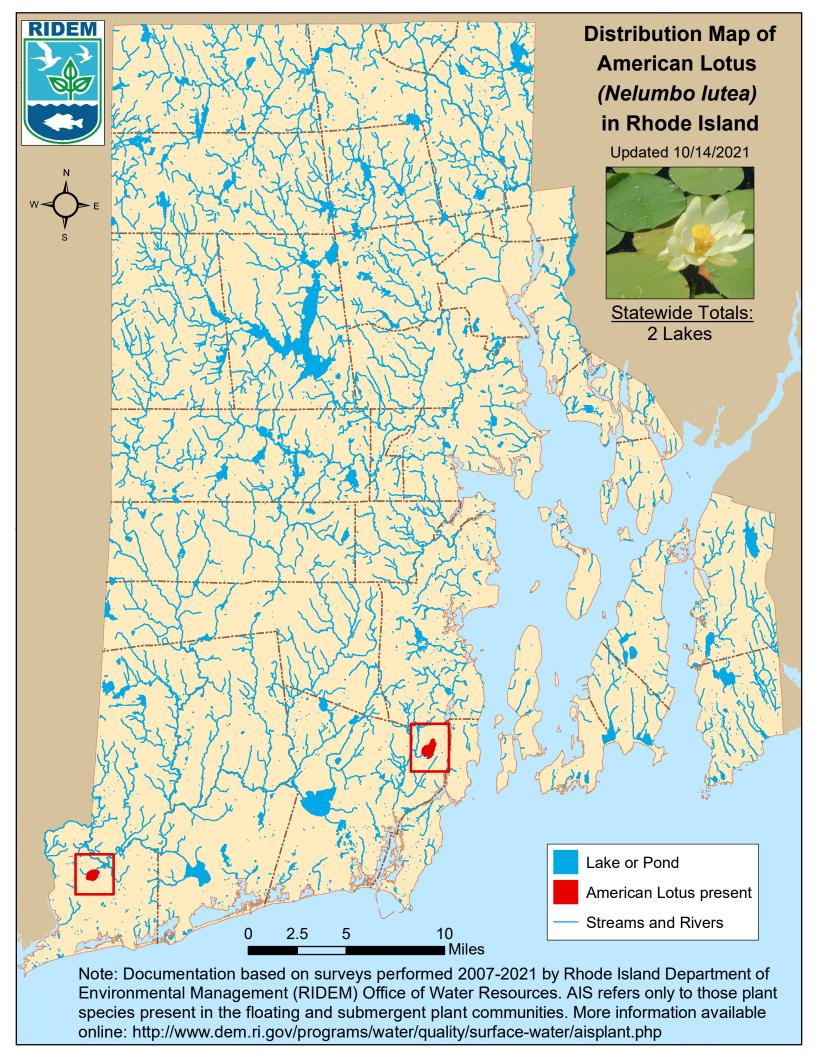
Town Waterbody Name	First documented La	st Surveyed
Coventry		
Arnold Pond	9/2/2009	9/2/2009
Cranston	45/0/5	
Spectacle Pond	9/26/2012	9/26/2012
Providence		
Mashapaug Pond	8/8/2019	8/8/2019
South Kingstown		
Hundred Acre Pond	9/3/2009	9/3/2009
5 Peace Dale Reservoir	7/6/2017	8/10/2017





Distribution of yellow floating heart (N. peltata) in RI

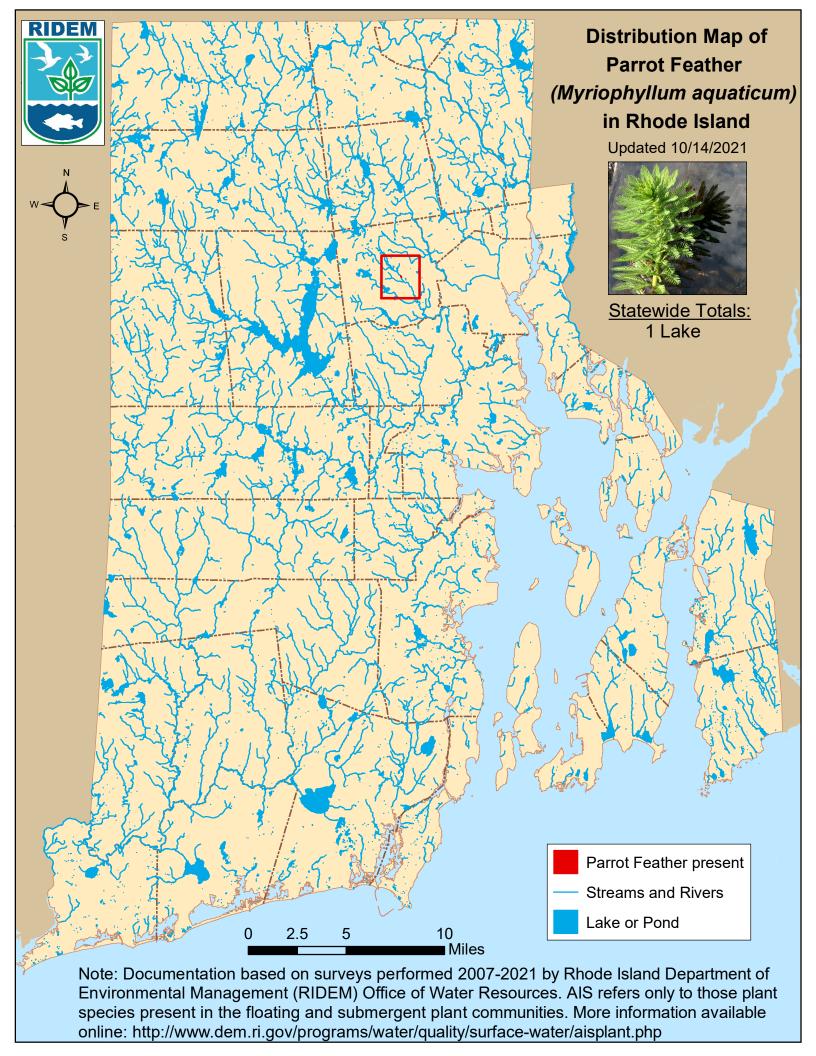
Town Waterbody Name	First documented	Last Surveyed
<u>Hopkinton</u>		
Solitude Springs Farm Ponds Little Compton	7/10/2017	7/10/2017
2 Peckham Rd. Pond	7/23/2010	7/30/2021
Scituate		
Dexter Road Pond	7/14/2010	7/30/2021





Distribution of American lotus (Nelumbo lutea) in RI

Town Waterbody Name	First documented	Last Surveyed
South Kingstown		
1 Indian Lake	7/24/2009	8/10/2018
Westerly		
Chapman Pond	8/10/2010	6/1/2021



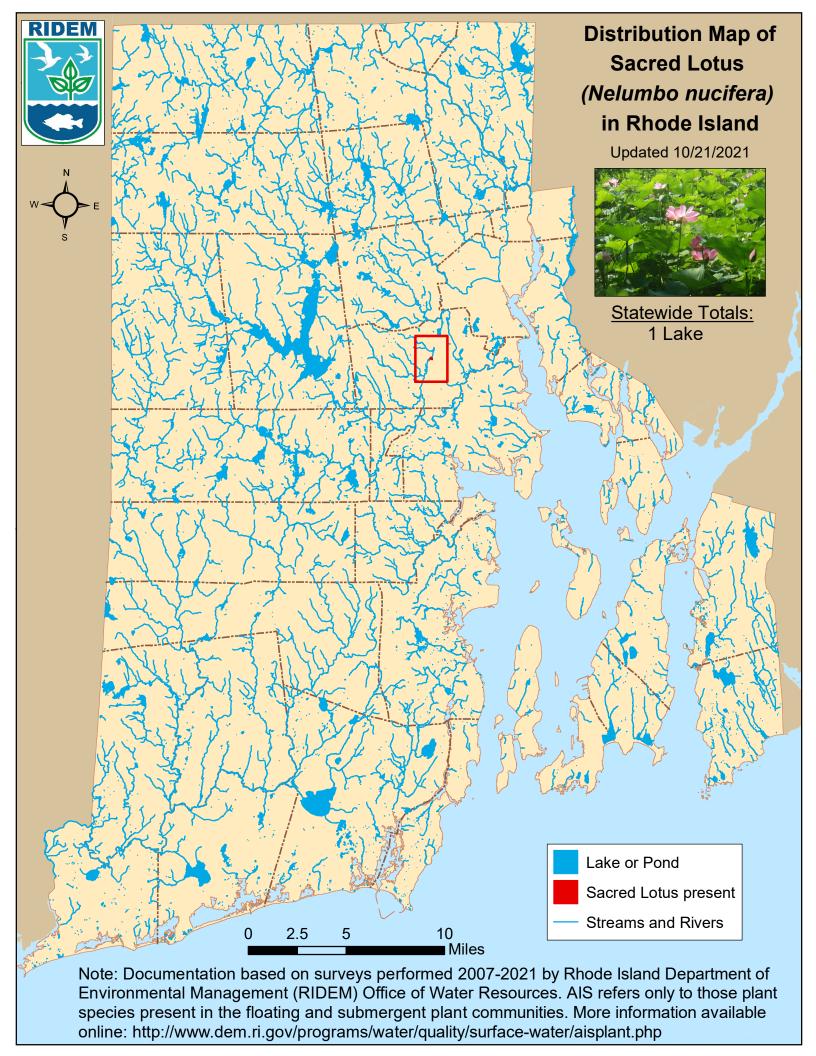


Distribution of parrot feather (M. aquaticum) in RI

river segments listed first alphabetically; then lakes listed by city or town

Town Waterbody Name First documented Last Surveyed Johnston

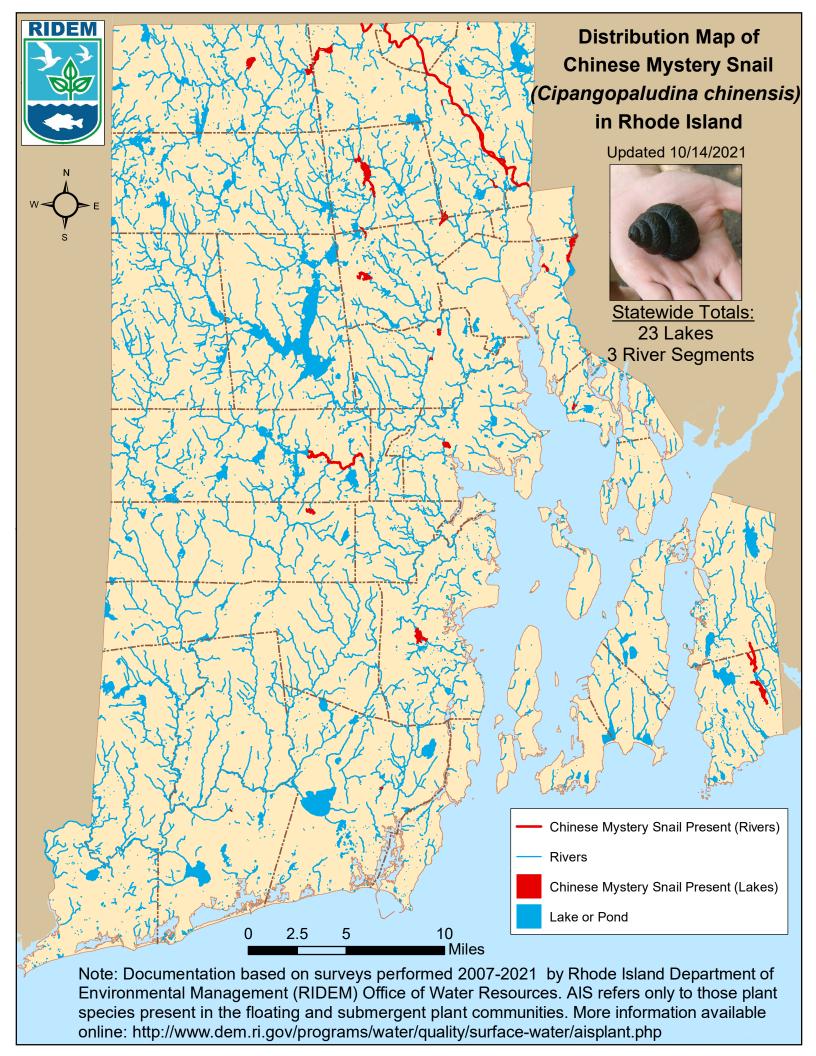
Pocasset Pond (Johnson Mem Park Pond) 8/20/2009 6/26/2019





Distribution of sacred lotus (Nelumbo nucifera) in RI river segments listed first alphabetically; then lakes listed by city or town

First documented **Waterbody Name Last Surveyed Town** Cranston 1_ 8/20/2021 **Meshanticut Pond** 7/27/2018





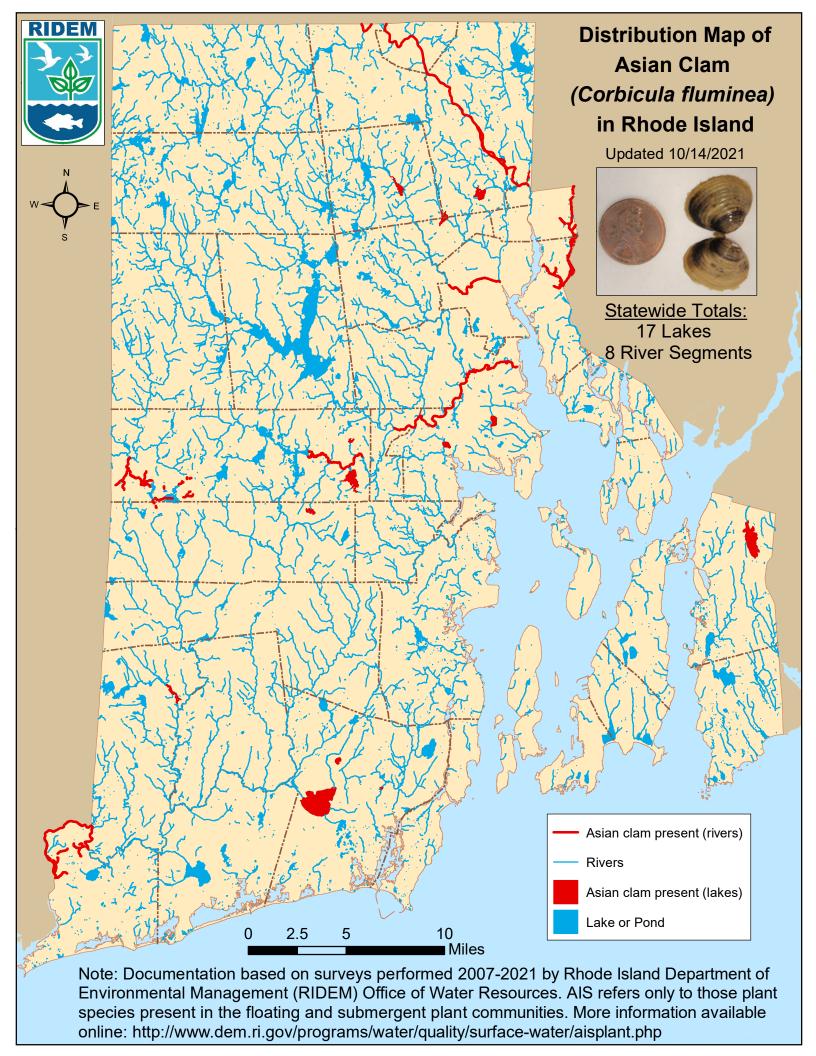
Distribution of mystery snail (C. chinensis) in RI

Town Waterbody Name RIVERS	First documented	Last Surveyed
1 Blackstone River (Seg A)	8/2/2017	6/24/2021
Cold (Cole) Brook & Tribs	8/14/2019	8/14/2019
Pawtuxet River (South Branch Seg A) Barrington	6/27/2018	6/27/2018
Echo Lake Burrillville	9/17/2020	9/17/2020
Spring Lake (Herring Pond) Charlestown	6/8/2018	6/8/2018
Saw Mill Pond Cranston	7/28/2020	7/28/2020
7 Meshanticut Pond	7/24/2019	8/20/2021
Randall Pond <u>Cumberland</u>	7/19/2017	7/19/2017
Carls Pond	9/29/2015	6/8/2021
Sylvn's Pond (Sylvn's Brook Pond) <u>East Providence</u>	10/4/2017	10/4/2017
11 Central Pond	6/17/2016	8/13/2020
12 Omega Pond Johnston	6/10/2021	6/10/2021
13 Oak Swamp Reservoir Lincoln	7/13/2009	9/27/2012
14 Barney Pond	6/12/2019	6/4/2021
15 Butterfly Pond 16	7/25/2019	7/25/2019



Distribution of mystery snail (C. chinensis) in RI

Town Waterbody Name	First documented	Last Surveyed
Handy Pond (Upper Rochambeau Pond) North Kingstown	9/1/2020	9/1/2020
17 Belleville Ponds North Providence	6/8/2016	5/25/2021
18 Wenscott Reservoir (Twin Rivers) North Smithfield	7/1/2014	8/3/2020
19 Slatersville Reservoir Smithfield	7/20/2017	7/20/2017
20 Hawkins Pond	6/23/2015	9/14/2018
Woonasquatucket Reservoir (Stump Por South Kingstown	nd) 7/27/2016	7/31/2018
Peace Dale Reservoir Warwick	8/10/2017	8/10/2017
Gorton Pond West Greenwich	6/5/2015	9/9/2020
Mishnock Lake Woonsocket	9/17/2015	8/27/2018
25 Cass Pond	9/1/2020	9/1/2020
26 Sylvestre Pond	5/27/2015	7/29/2021





Distribution of Asian clam (C. fluminea) in RI

Town W	Vaterbody Name	First documented	Last Surveyed
RIVERS			
1 Blacks	stone Ri <mark>ver (Seg A)</mark>	8/2/2017	6/24/2021
2 Pawca	atuck River & Tribs (Seg E)	8/3/2020	9/8/2020
3——— Pawtu	xet River (Main Stem)	9/18/2015	9/9/2020
	xet River (South Branch Seg A)	7/30/2012	6/27/2018
	ng Brook & Tribs	8/25/2016	8/25/2016
6 Ten M	ile River & Tribs (Seg A)	6/5/2019	6/5/2021
	lile River & Tribs (Seg B)	6/5/2019	6/5/2019
	asquatucket River (Seg D)	6/28/2019	6/28/2019
Coventry	(1/4)		108A
THE RESERVE OF THE PARTY OF THE	e Lake	9/5/2007	9/9/2020
	Dam Pond	7/23/2010	8/28/2020
Cumberland			
11 Нарру	Hollow Pond	8/18/2010	8/18/2010
East Provide	<u>ence</u>		
12 Centra	al Pond	6/9/2010	8/13/2020
_	a Pond	6/10/2021	6/10/2021
	r Reservoir	8/12/2020	5/27/2021
<u>Hopkinton</u>			
15 Locus	tville Pond	9/9/2020	9/9/2020
<u>Lincoln</u>			
16 Olney	Pond	6/12/2019	6/23/2021
North Provid	<u>dence</u>		



Distribution of Asian clam (C. fluminea) in RI

Town Waterbody Name	First documented	Last Surveyed
Wenscott Reservoir (Twin Rivers) Smithfield	7/1/2014	8/3/2020
18 Georgiaville Pond South Kingstown	6/28/2019	6/28/2019
19 Larkin Pond	8/21/2019	8/21/2019
Peace Dale Reservoir	7/12/2012	8/10/2017
Worden Pond <u>Tiverton</u>	9/21/2007	10/2/2009
Stafford Pond Warwick	9/9/2010	9/9/2010
Gorton Pond	6/5/2015	9/9/2020
Warwick Pond West Greenwich	7/2/2014	7/2/2014
25 Mishnock Lake	7/30/2009	8/27/2018



