

# 2022 State of Locustville Pond Invasive / Nuisance Species Summary

LPIA annual meeting  
May, 28 2023; 1-3 PM  
5 Camp Street



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[www.locustvillepond.org](http://www.locustvillepond.org)

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# Our Pond's Main Invasive Rooted Weed

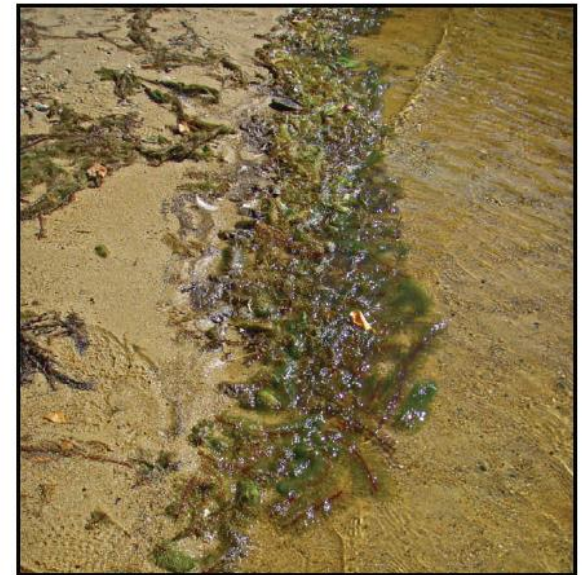
## Variable Milfoil (*Myriophyllum heterophyllum*)



Size of variable milfoil relative to a penny



Bract of variable growing above the water

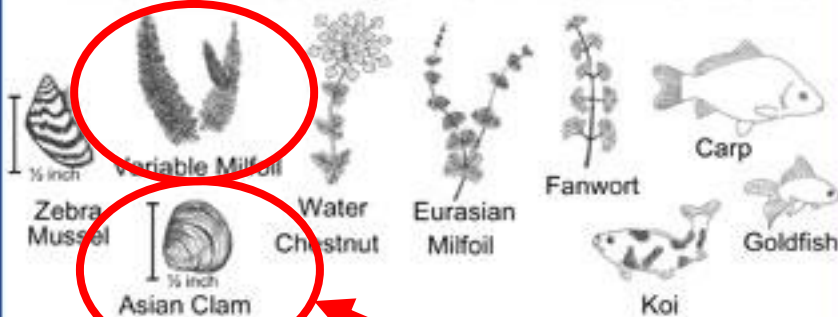


Fragments of variable milfoil washed ashore

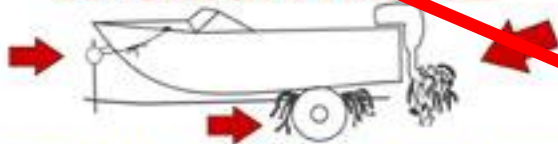




### THE SPREAD OF AQUATIC INVASIVE SPECIES



**BOATERS: INSPECT VESSEL CAREFULLY BEFORE & AFTER USE!**



- Remove ALL weeds and plant fragments from watercraft & trailer before & after use
- Drain boat & motor far from water; allow to dry before next use
- Clean off all waders, boots and gear after use in any waterbody
- Do not release bait or aquarium fish, shellfish or plants



For more information contact:  
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
Division of Fish and Wildlife  
(401) 789-0281 or (401) 789-7481  
[www.dem.ri.gov](http://www.dem.ri.gov)

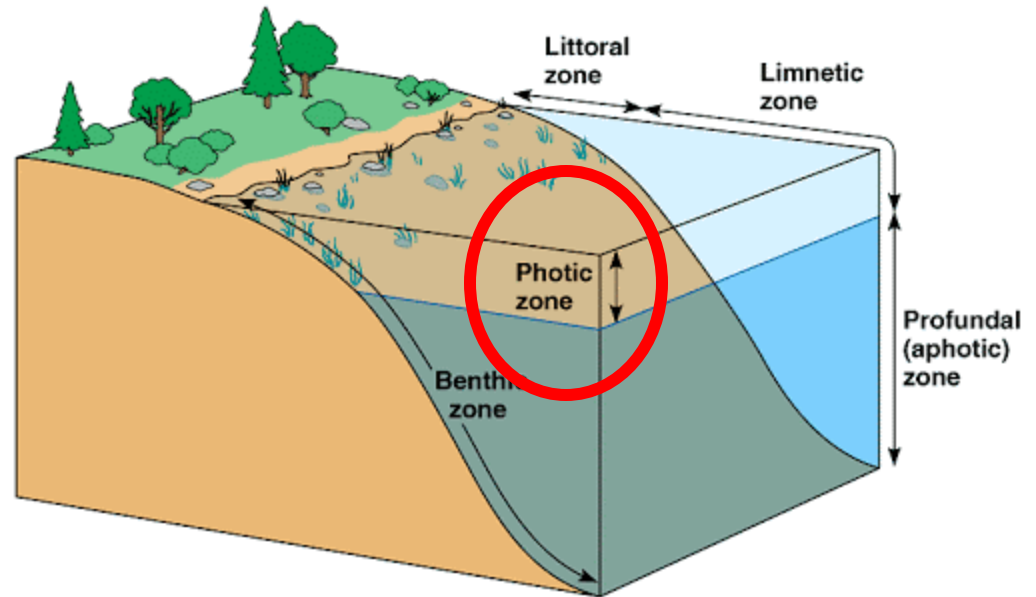


What you can do to minimize Milfoil spread in your pond

Discovered in the pond 2020  
By Christopher Finch

# What areas in our pond are susceptible to Milfoil infestation?

- Susceptible areas in our pond include any area that is less than ~ 3 feet deep
- along the shoreline
  - in coves and embayments
  - where sunlight penetrates to the bottom



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# Solitude Lake Management Treatment Chronology

PROJECT TASK	DATE PERFORMED							
	2015	2016	2017	2018	2019	2020	2021	2022
Filed RIDEM permit			04/06/17	03/07/18	04/01/19	02/25/20	01/16/21	03/28/22
Received RIDEM permit to treat	06/08/15	06/22/16	04/11/17	06/04/19	06/05/19	03/06/20	04/29/21	04/20/22
Perform pretreatment inspection			05/11/17	05/25/18	06/28/19	06/05/20	06/03/21	06/22/22
Conduct initial Milfoil treatment	06/19/15	07/14/16	05/30/17	06/08/18	06/28/19	06/05/20	07/29/21	06/22/22
Conduct follow-up Milfoil treatment	08/14/15	08/19/16	08/17/17	08/22/18	09/13/19	07/21/20	NA	08/24/22
Conduct initial Lily treatment	09/01/15	08/19/16	09/28/17	cancelled	cancelled	NA	NA	NA
Conduct follow-up Lily treatment	09/17/15	09/15/16	10/03/17	cancelled	cancelled	NA	NA	NA
Post-treatment inspection			10/20/17	10/02/18	10/05/19	11/05/20	10/18/21	NA
<b>Herbicides used</b>								
Reward or Tribune (diquat dibromide)	x	x	x	x	x		x	x
Aquapro (glyphosate)	x	x	x					
Clipper (flumioxazin)	x	x						
ProcellaCOR						x		x

# 2022 Treatment Summary

- A single treatment with a contact herbicide (Diquat dibromide) was applied for variable watermilfoil
- Due to error in 1<sup>st</sup> treatment ProcellaCOR was provided as a second treatment at no cost to the Association\*
- Milfoil populations were relatively low in 2022

\*Spot treatment was supposed to be with ProcellaCOR

# 2023 Actions

- Due to communication and treatment issues in 2022 we have gone to a new vendor for 2023: Water and Wetlands Inc.
- Our RIDEM permit allows flexibility in treatment options, depending upon the degree of infestation.





# Summary

## What's in store for 2023?

- Spot treat Milfoil Treatment as needed
- Possible treatment of water lilies
- Continue monitoring for Chla, TN, TP, T, Secchi depth
- Enjoying the pond all year round



A photograph of a duck swimming in blue water. The duck is in the center-left of the frame, facing left. The water is a deep blue with ripples. The text is overlaid on the top half of the image.

Another Year has come and gone  
We welcome new members  
have a wonderful 2023!

**If you have any concerns or questions contact me at**  
**401-486-9749 or [spesjsl@gmail.com](mailto:spesjsl@gmail.com)**  
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