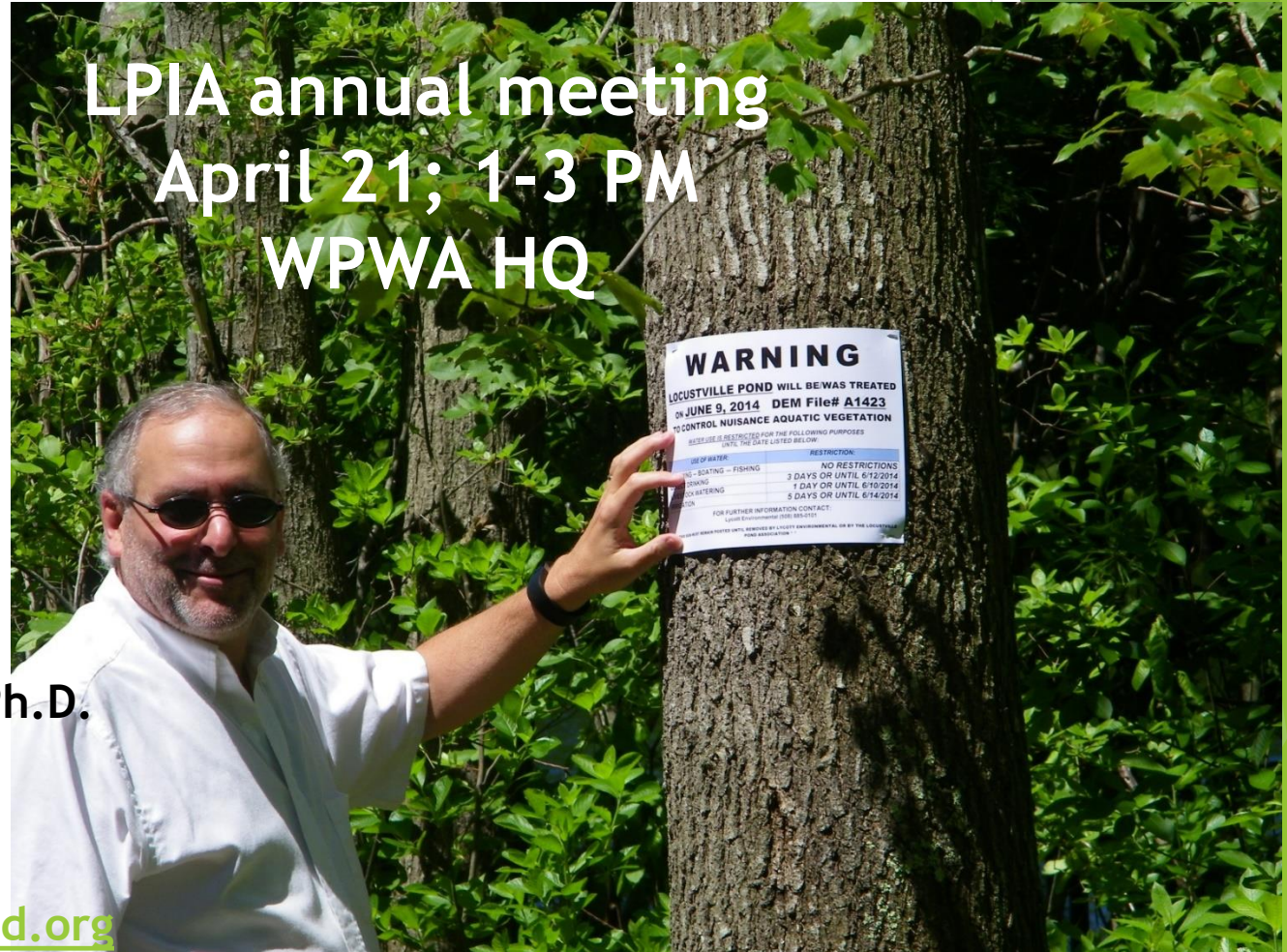


# 2023 State of Locustville Pond Invasive / Nuisance Species Summary

LPIA annual meeting  
April 21; 1-3 PM  
WPWA HQ



James S. Latimer, Ph.D.  
President LPIA

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401-486-9749

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

[www.facebook.com/groups/locustvillepondhv](https://www.facebook.com/groups/locustvillepondhv)

# Our Pond's Main Invasive Rooted Weed

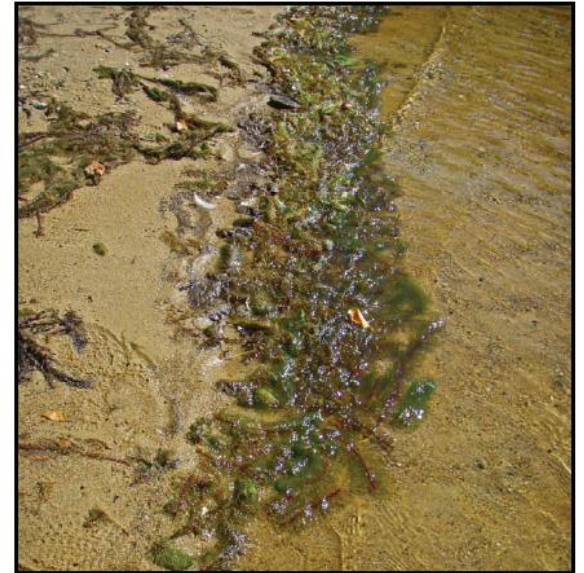
## Variable Milfoil (*Myriophyllum heterophyllum*)



Size of variable milfoil relative to a penny



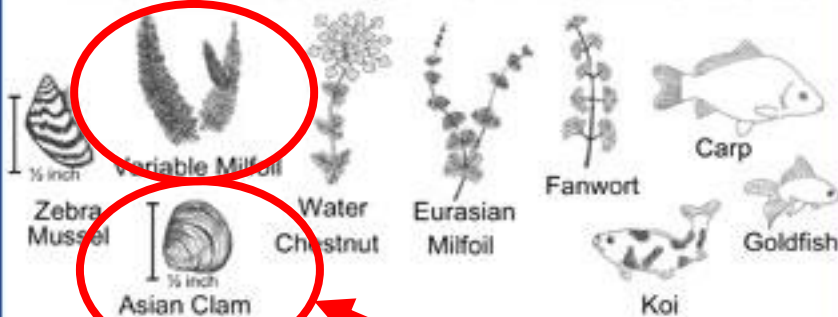
Bract of variable growing above the water



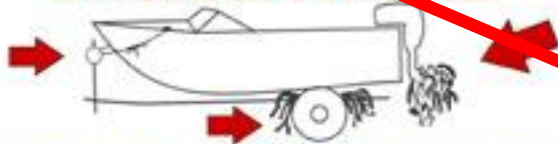
Fragments of variable milfoil washed ashore



## 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

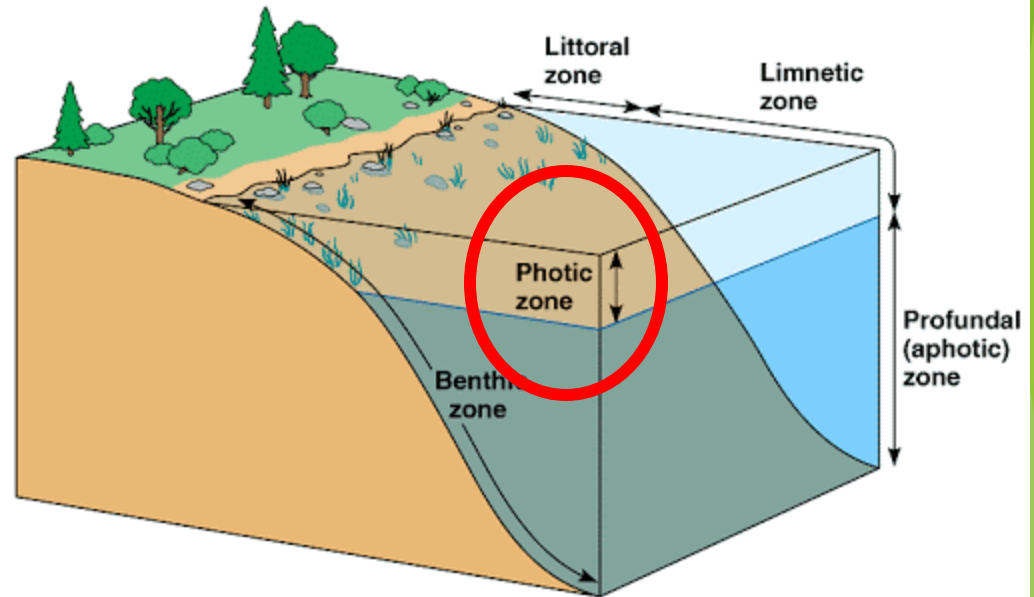
Discovered in the pond 2020  
By Christopher Finch

# 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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# Wetlands and Watersheds Treatment Tasks

PROGRAM TASKS	PERFORMED/COMPLETED	
PROJECT TASK	2023	2024
Filed RIDEM permit	x	x
Received RIDEM permit to treat	x	x
Perform pretreatment inspection	06/05/23	
Conduct initial Milfoil treatment	07/10/23	
Conduct follow-up Milfoil treatment	NA	
Conduct initial Lily treatment	NA	
Conduct follow-up Lily treatment	NA	
Post-treatment report	??	
RIDEM permit cost	\$500	
Treatment cost base	\$1,950	
Treatment cost acreage (\$650/acre) Procellacor	\$5,850	
Treatment cost acreage (\$210/acre) Tribune	\$210	
Total treatment costs	\$8,510	
<b>Herbicides used</b>		
Reward or Tribune (diquat dibromide)	X	
Aquapro (glyphosate)		
Clipper (flumioxazin)		5
ProcellaCOR	X	

# 2023 Treatment Summary

- 2023 was also a historically bad bladderwort year. Bladderwort is a native species which has the ability to reach nuisance densities which inhibit recreation, etc.
- The weather pattern of 2023 dealt an abundance of rain throughout the growing season, which led to increased nutrient loading.
- In addition to this, warm air temperatures led to heightened water temperatures and increased sunlight penetration. This pattern, paired with humid conditions led to bladderwort thriving in many lakes. Based on this, one-acre of dense bladderwort was also treated in 2023 in Locustville Pond.
- The variable milfoil was largely confined to the northern area of the pond. This was the target area with ProcellaCOR.
- The treatment of both bladderwort and milfoil was completed without issue.

# 2024 Actions

- We anticipate lower milfoil regrowth, although the extremely shallow conditions in the northern end of the pond pose some challenges with ProcellaCOR uptake by the plants.
- Additional measures were taken during the 2023 treatment to account for this including going extremely slow and even rowing certain shallow areas as to not stir up sediments.
- Bladderwort is extremely cyclical and in many cases nuisance bladderwort is conditionally driven.
- Based on these two varying factors, we recommend a similar approach be taken in 2024.
- This should consist of proactively obtaining a RI-DEM Permit to be ready for treatment if warranted.
- Additionally, a survey should be performed once target plants start growing. Survey data, as well as Association feedback, should continue to guide any and all management.

# Hydrilla alert (Hydrilla verticillate)



## DEM Announces RI's First Detection of Aquatic Invasive Plant Hydrilla in Indian Lake, South Kingstown

- To help control the spread of invasive species,
- The use of external felt-soled or any natural or synthetic porous material capable of absorbing water in any freshwaters in Rhode Island is strictly prohibited.
  - This includes any waters shared with adjacent states in which Rhode Island fishing regulations apply.
  - The transport of any plant or plant part into or out of any Rhode Island waterbody on boats, vessels, other water conveyances, vehicles, trailers, fishing supplies, or any other equipment is also prohibited.
  - It is recommended that all boaters thoroughly clean their vessels and equipment of attached weeds before and after using the freshwaters of the state.





# Summary

## What's in store for 2024?

- Treat Milfoil Treatment as needed
- Treatment of bladderwork as needed
- Continue monitoring for Chla, TN, TP, T, Secchi depth and others
- Enjoying the pond all year round

A photograph of a brown duck swimming in blue water. The duck is in the center-left of the frame, facing left. The water has a blue tint and shows ripples around the duck. The background is a vast expanse of water with some darker patches.

Another Year has come and gone  
We welcome new members  
have a wonderful 2024!

**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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