



# Courtesy Boat Inspections

## The First Line of Defense for Your Lake



# Courtesy Boat Inspections

## The First Line of Defense for Your Lake

Lakes Congress - May 31, 2019  
Krystal Costa, Conservation Coordinator, NH LAKES





# NH LAKES Story



We're a nonprofit organization that is the voice  
for all of New Hampshire's 1,000 lakes.



# Aquatic Invasive Species in New Hampshire

<https://youtu.be/Kd5HNUTB9HI?t=119>



# What is so bad about invasive species?



Aquatic invasive species make recreation dangerous and unpleasant, disrupt the ecological balance of waterbodies, reduce shoreline property values, and are difficult and expensive to control.

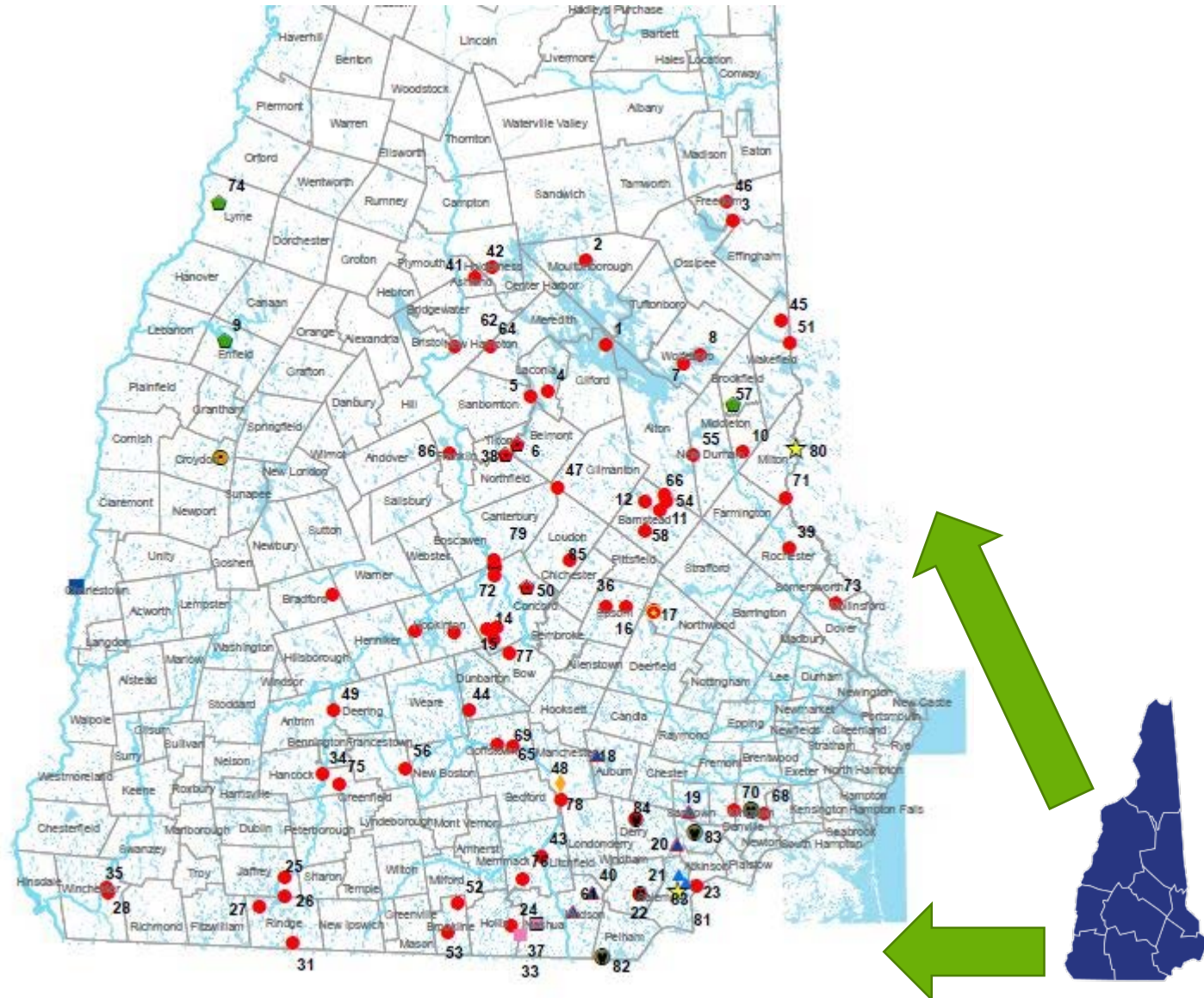




# How at risk is your lake?

**87** waterbodies in New Hampshire have an aquatic invasive species infestation.

[https://drive.google.com/open?id=13ic6lExpQ\\_A1hvRY\\_e7l0m8djGOciq\\_G7&usp=sharing](https://drive.google.com/open?id=13ic6lExpQ_A1hvRY_e7l0m8djGOciq_G7&usp=sharing)









































# How do they get here?

Invasive  
Species  
hitchhike on  
boats, trailers,  
and recreational  
gear to infest  
our lakes!





# What happens when a lake is infested?

Management Activity	Cost
Hand Pulling, Diver Assisted Suction Harvesting ( <i>Must be done by a certified Weed Control Diver</i> )	Labor costs depend on contractor costs or staff time \$500 - \$1,500 per day   
Mechanical Harvesting	\$350 - \$1,500/acre   
Hydro-Raking	\$350 - \$2,500/acre    
Bottom Barrier	\$0.61 - \$1.22 per square ft. or \$25,000 - \$50,000/acre           
Chemical Treatment	\$200 - \$1,000/acre   
Dredging	\$16,000 - \$32,000/acre          





Prevention is Key.



**The most irrational thing we can do is pretend our lakes will take care of themselves.**





The **Lake Host Program** is the first line of defense in keeping our lakes free of invasive plants and animals.

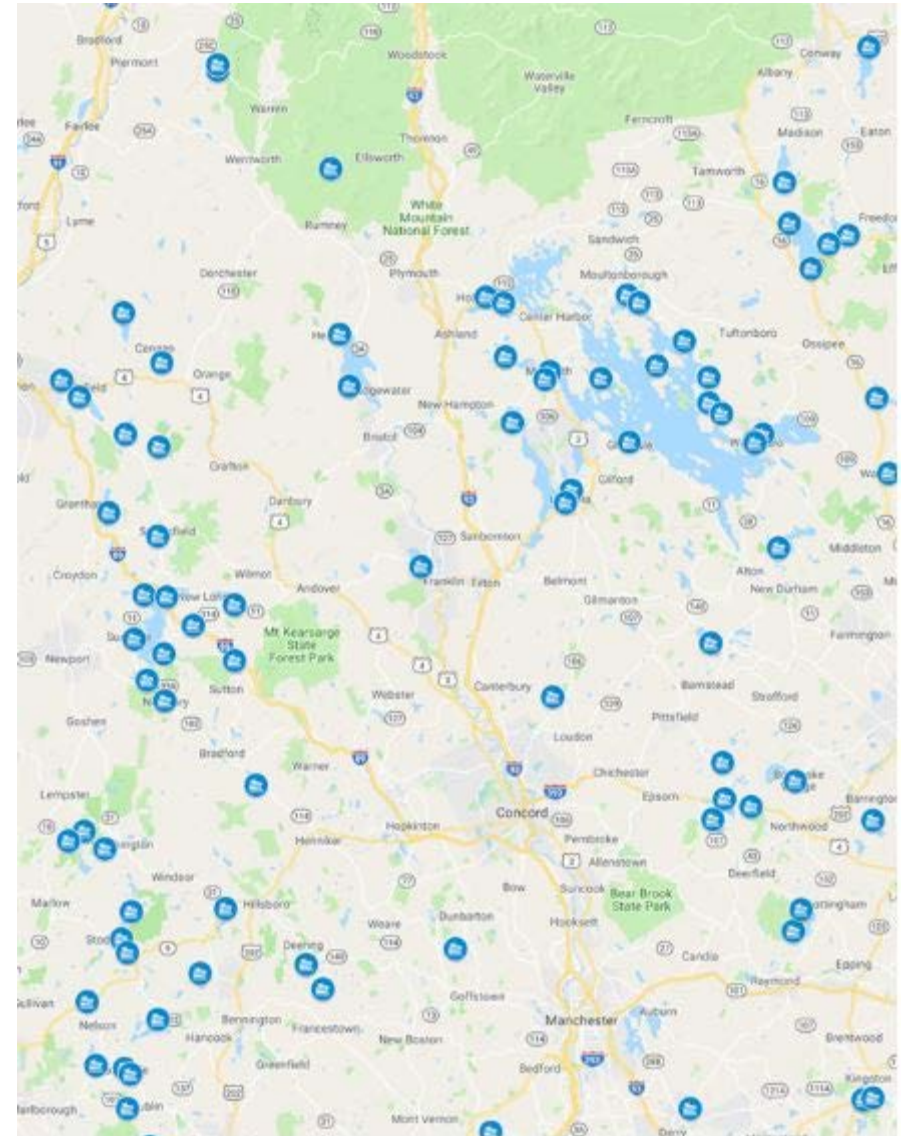




# Where can you find a Lake Host on duty?

Lake Host Inspectors work at approximately 100 boat ramps throughout the state.

They teach boaters about the **“Clean, Drain, and Dry”** method for preventing the spread of invasive species.







# Introduction to the Lake Host Program



What exactly does the Lake Host Program do?

<https://youtu.be/wZwKCbF3T7E?t=223>



# How does the Lake Host Program help?

Educate & Inspect



Remove specimens  
(with permission!)



Record data!

Prevention Measures taken by the boater\*

- ☐ Cleaned of plants animals and debris
- ☐ Drained
- ☐ Dry for 5 days
- ☐ Other:

Please select 1 - 3 items

What was the LAST body of water this boat visited?

-Please Select-

What is the NEXT body of water this boat may visit?

-Please Select-





## Educating & inspiring the public to take action

Teach boaters how to prevent the spread of invasive species.

**How?** By always taking the time to “**Clean, Drain, and Dry**” their boats, trailers, and gear after boating.





Remind boaters to **CLEAN** off all fragments of plants, animals, and debris on boats, trailers, and recreational gear before leaving the launch and dispose of debris in a trash can.

**It is the law.**







Remind boaters to open all drain plugs and **DRAIN** boats and equipment before leaving the ramp.

Drain plugs should be kept out/open while in transit.

**It is the law.**





Encourage boaters to allow their boat, trailer, and recreational gear to DRY for at least five days before using again.







# Courtesy Inspections for cleaner boats!

Get **permission** to perform an inspection - examine all boats and check “snag areas” for any hitchhiking plants and/or animals.







# Check those snag points – it's how they hitchhike!

Snag points = propellers, wheels, wells, lights, trailer hitches, etc.!

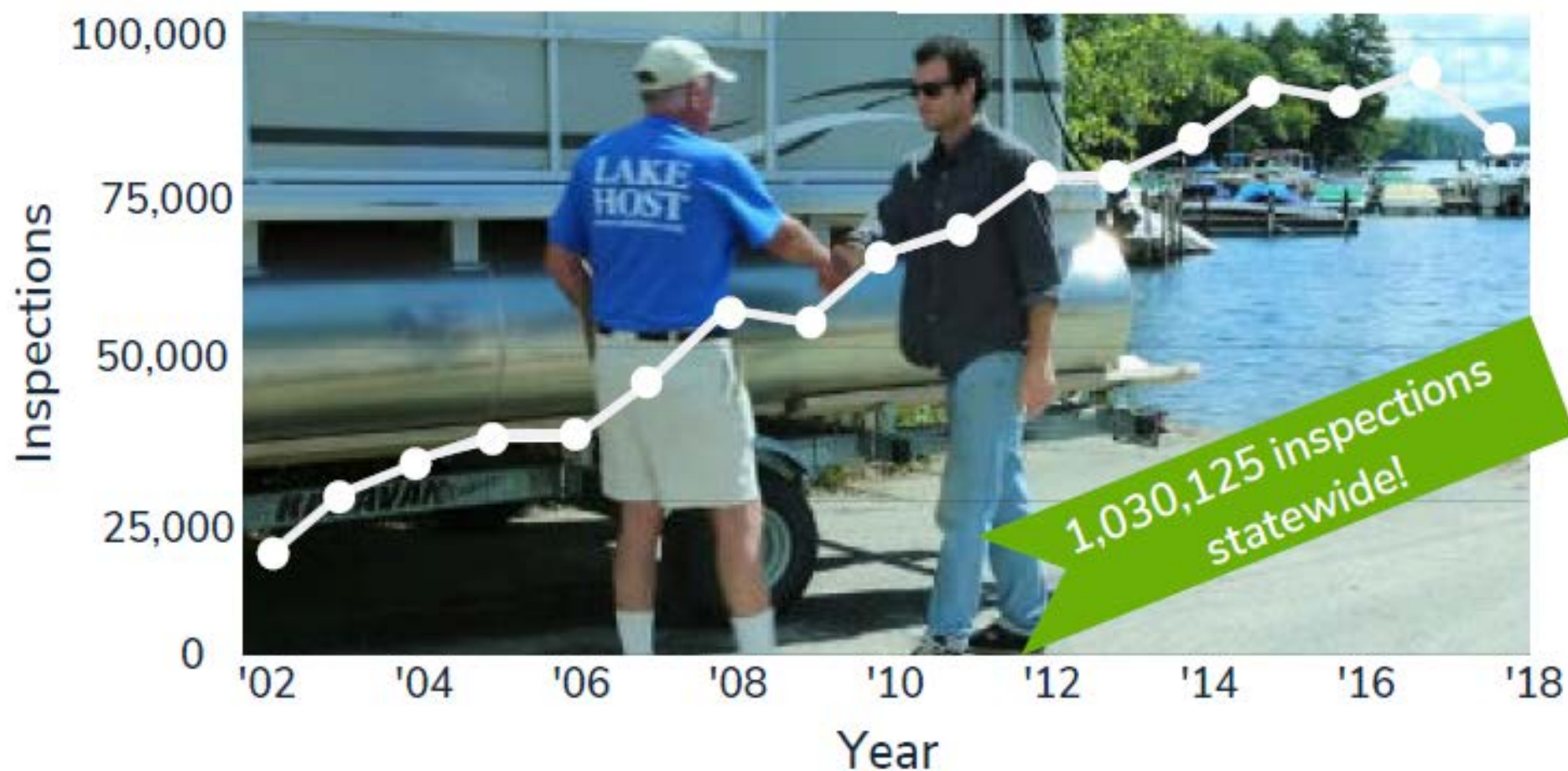






We do A LOT of inspections!

## COURTESY BOAT INSPECTIONS





# Removing those suspicious specimens!

Any plants or animals discovered are removed.

Suspicious samples are submitted for identification.

 **Aquatic Plant Specimen  
for Identification**

Plant collection:

- ✓ Collect a representative piece of the aquatic plant (full stem, flowers or fruits if available)
- ✓ Wrap the plant neatly in a moist (not dripping) paper towel
- ✓ Seal the specimen in this sample bag
- ✓ Deliver or mail the specimen immediately to:

Amy P. Smagula  
Exotic Species Program  
NH DES  
29 Hazen Drive  
Concord, NH 03301

***Please do not mail specimens on Thursdays or Fridays. Specimens will decay quickly in the mail. If you collect this specimen late in the week, please refrigerate or keep on ice until you are able to mail it.***

DO NOT MAIL SPECIMENS TO NH LAKES

 NEW HAMPSHIRE  
DEPARTMENT OF  
Environmental  
Services







# You could say we “SAVE” lakes from invasive species

Fanwort



Curly Leaf  
Pondweed



Common Reed



Variable Milfoil



Water Chestnut



Eurasian Milfoil



Chinese Mystery  
Snail



European Naiad



Zebra Mussel



**INVASIVE SPECIES  
REMOVED**

**1,598 'saves' at 53  
waterbodies over 17 years**



# Important data is collected, too!



## 2019 Lake Host Program – Boater Survey

Read the boater survey instructions in the 2019 training manual.  
Complete one row for each boat inspection. A boat that was inspected  
when launched and retrieved should take up two rows.

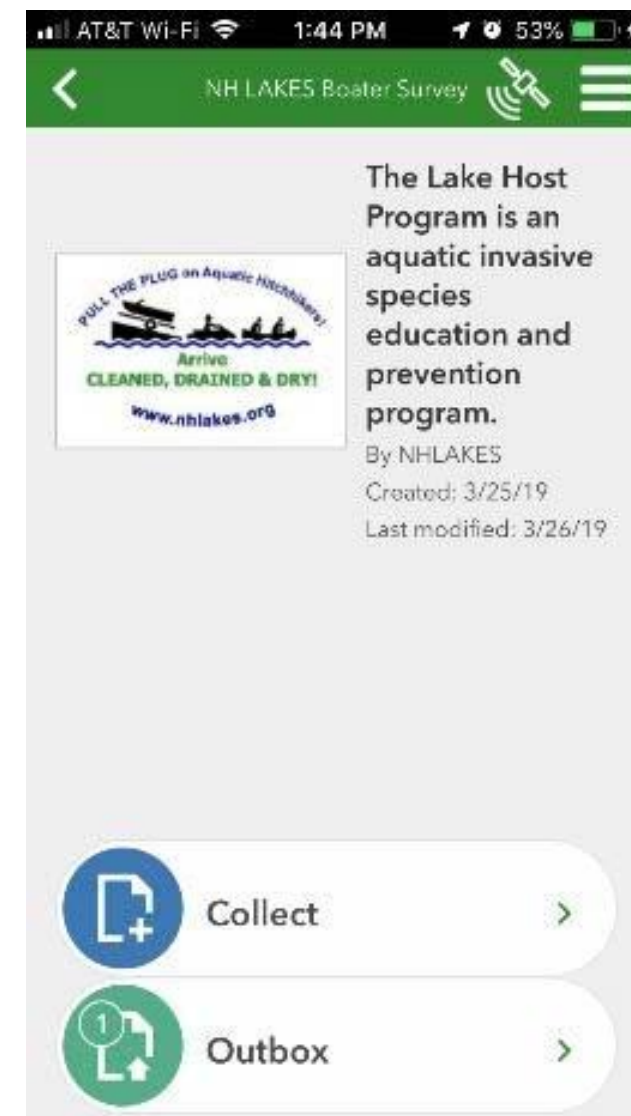
GROUP: \_\_\_\_\_ Date: \_\_\_\_\_

Lake Name: \_\_\_\_\_ Ramp Name: \_\_\_\_\_

Lake Host Name(s): \_\_\_\_\_

1	Time am or pm	Launching or Leaving A =Arriving D =Departing	Type of Boat Check one	Motor boats only		Arriving boats				Departing Boats		Specimen Sent to DES X =Yes	Reach	
				Ballast Tank/ Bag X =Yes	State of Registr- ation	Last Waterbody		Clean X =Yes	Drain X =Yes	Dry X =Yes	Next Waterbody			
						State/ Town	Waterbody				State/ Town			Waterbody
1			<input type="checkbox"/> Motorized <input type="checkbox"/> Non-motorized											
2			<input type="checkbox"/> Motorized <input type="checkbox"/> Non-motorized											
3			<input type="checkbox"/> Motorized <input type="checkbox"/> Non-motorized											
4			<input type="checkbox"/> Motorized <input type="checkbox"/> Non-motorized											
5			<input type="checkbox"/> Motorized <input type="checkbox"/> Non-motorized											
6			<input type="checkbox"/> Motorized <input type="checkbox"/> Non-motorized											
7			<input type="checkbox"/> Motorized <input type="checkbox"/> Non-motorized											
8			<input type="checkbox"/> Motorized <input type="checkbox"/> Non-motorized											
9			<input type="checkbox"/> Motorized <input type="checkbox"/> Non-motorized											
10			<input type="checkbox"/> Motorized <input type="checkbox"/> Non-motorized											

Page \_\_\_\_ of \_\_\_\_





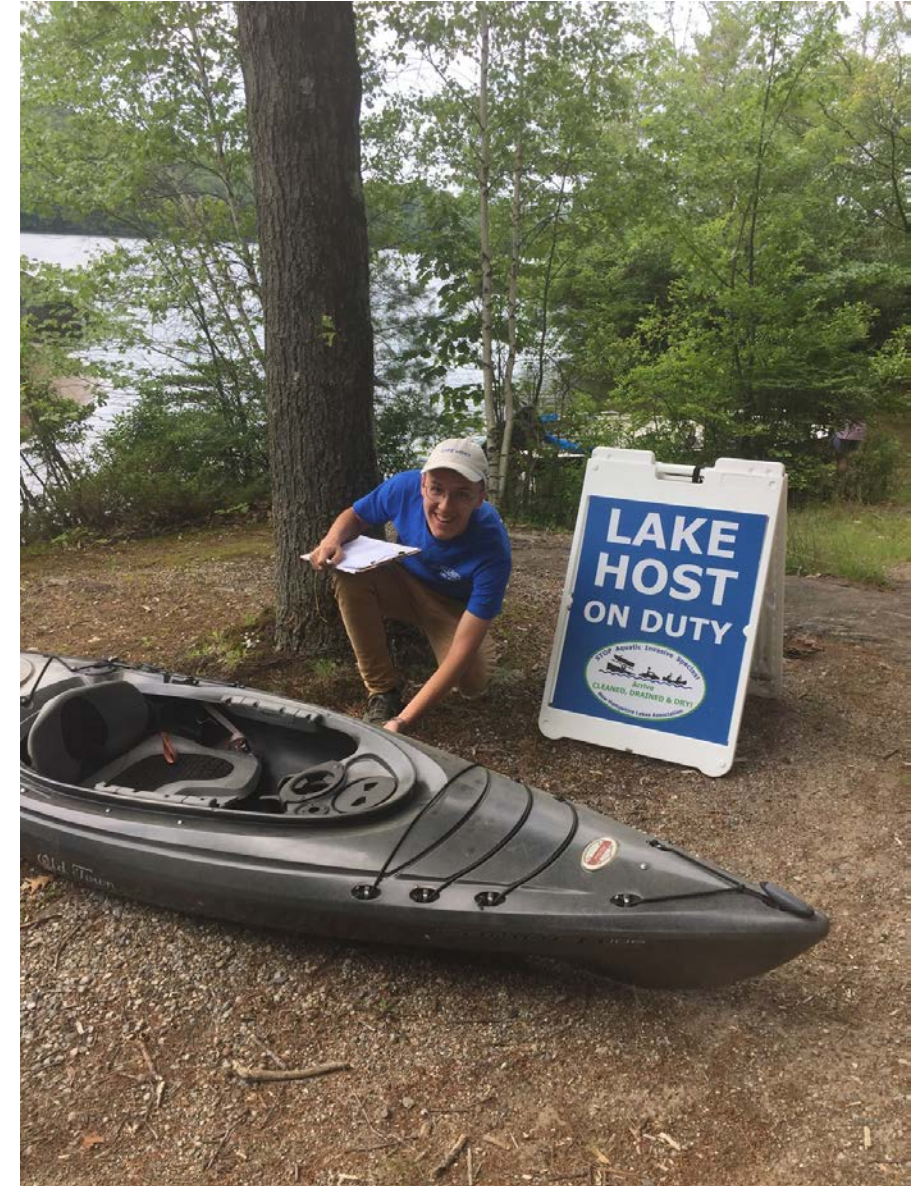


## Prevention is key!

More Lake Host Inspector time spent  
protecting your lake =

Better protection against invasive  
species when your lake needs it most =

**Reduced risk of infestation!!!**







Join our team to keep New Hampshire's lakes clean!



# Become a part of our team!

Paid and volunteer positions  
available all across the state.

OR

Start a Lake Host Program at a  
boat ramp (public or private)  
contact us!



Call us: 603-226-0299

Email us: [info@nhlakes.org](mailto:info@nhlakes.org)

Visit [www.nhlakes.org/lake-host](http://www.nhlakes.org/lake-host)

Invite us to speak to your local group





# Funding for the Lake Host Program

The Lake Host Program is funded in part through a grant award from the New Hampshire Department of Environmental Services.

But...invasive species prevention is expensive!





By working together to prevent the spread of aquatic invasive species...



...our lakes will be cleaner and healthier, for our enjoyment today, and in the future.