



Department of  
Environmental  
Conservation

# Implementing NYS Aquatic Invasive Species Management Plan: Watercraft and Trailer Inspection and Decontamination Programs

NEANS Spring Meeting  
April 12, 2018

## Goal



Stop the introduction and spread of aquatic invasive species into and within New York State's waters

# Objectives

- Prevention
- Detection



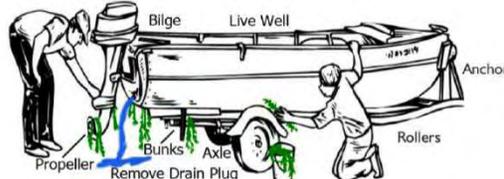
J. Clayton, NYSDEC

## Prevention: Regulatory Efforts

- Amendment to Article 3 of the Navigation Law – “AIS spread prevention signs at public boat launches”
- 6 NYCRR Part 59.4 (DEC) & 9 NYCRR Part 377.1 (Parks) – “AIS spread prevention regulations for boat launching/retrieving at DEC and Parks-owned sites”

**PROTECT YOUR WATERS!**  
**Prevent the Spread of Invasive Species**  
*Invasive Plants and Animals Can Impact Boating, Fishing, Swimming and the Environment*

**REMOVE** any visible mud, plants, fish or animals before transporting equipment.



**ELIMINATE** water from equipment before transporting.

**CLEAN & DRY** anything that comes into contact with water (boats, trailers, waders, equipment, dogs, etc.).

**NEVER** release plants, fish or animals into a body of water unless they came out of that body of water.

 **STOP AQUATIC HITCHHIKERS!**  
[www.ProtectYourWaters.net](http://www.ProtectYourWaters.net)

For further information scan this QR code with a smartphone, or visit:  
[www.dec.ny.gov/animals/48221.html](http://www.dec.ny.gov/animals/48221.html)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 625 BROADWAY, ALBANY, NY 12233-4753  
[www.dec.ny.gov](http://www.dec.ny.gov)

# Prevention:Regulatory Efforts

## 6 NYCRR Part 575

“Regulated and Prohibited Plants and Animals”

## 6 NYCRR Part 576

“Reasonable Precautions to Prevent Spread of AIS”



## Part 576 – Reasonable Precautions



# Prevention: Clean, Drain, and Treat

## Clean

- Inspect watercraft, anchor, equipment, gear, trailer, or floating dock and remove any plant or animal material
- Dispose of materials in appropriate receptacle or upland away from mean high water mark



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# Prevention: Clean, **Drain**, and Treat

## Drain

- Drain water from watercraft and water holding compartments away from waterbody before launching
- Drain water from cooling system of personal watercraft after leaving water at a distance from waterbody



## Prevention: Clean, Drain, and Treat

Treat (one of the following options)

- **Drying** via heat or sun exposure (5 days) or subfreezing temperatures (3 days) or towel dry portions of the boat and equipment prior to launching
- **Rinsing** using high pressure/hot water on exterior; rinse/flush water cooled motors for two minutes or rinse water containing compartments with hot water for 30 seconds or rinse the boat hull and flushing compartments with warmest water available
- Application and maintenance of **anti-fouling paint**

# Prevention: Watercraft Inspection Steward Program (WISP)

Supports NYS regulatory efforts

Statewide AIS spread prevention grant program:  
\$2.2M (three years)

## Major players

- Adirondack Watershed Institute - ADK AIS spread prevention program five year contract (NYSDEC participation since 2015)
- Finger Lakes PRISM/Institute



# Prevention: Watercraft Inspection Steward Program (WISP)

- NYS Parks (OPRHP)
- Lower Hudson PRISM
- Capital-Mohawk PRISM
- Catskill Regional Invasive Species Partnership (CRISP)
- St. Lawrence-Eastern Lake Ontario PRISM



# Prevention: WISP

## 2017

- Coverage at 187 locations
- More coverage on the Hudson River and Mohawk River
- Coverage at Croton and Ossining (Croton River Hydrilla infestation)
- Pilot run of standardized data collection software and the start of minimum standardized data collection discussion



# Prevention: WISP

2017

## Adirondack AIS Spread Prevention Program:

Deployed decontamination stations at strategic locations where there are small-bodied AIS or high risk of spread

- Along the western shore of Lake Champlain
- Great Sacandaga Lake
- Access points along upper Hudson River
- Saratoga Lake
- Spread hubs (based on data collected)



# Decon Stations- the small unit

The screenshot displays the Landa Northwest website interface. At the top, there is a navigation bar with links for 'MY ACCOUNT', 'MY CART', 'CHECKOUT', and 'LOG IN'. Below this is a secondary navigation bar with 'HOME', 'CONTACT US', 'CLEARANCE ITEMS', and 'HEATER RENTALS'. A search bar is prominently displayed with the text 'SEARCH Search entire store here...'. The main content area features a product listing for the 'Landa MHC4-30324E/S Hot Water Pressure Washer'. The product image is shown on the left, and the product name and availability are on the right. A 'Get a Quote' button is visible, along with an 'ADD TO COMPARE' link. Below the product name, the model 'MHC4-3000, Landa Horiz, 13HP E/S Hi-Alt' is listed, and a 'Download Brochure' link is provided. On the left side of the page, there are two numbered callouts: '1 Download our catalog' with an image of a catalog, and '2 Click on any part to get more info' with an image of a part. The Windows taskbar at the bottom shows various application icons and the system clock indicating 7:42 PM on 4/12/2018.

Requires site preparation for water drainage and a water tank (plus storage shed).

# Decon Stations – the Cadillac

Landa ECOS 7000 - Hot Water, x

https://scclean.com/shop/pressure-washers/product/landa-ecos-trailer/

Home | Products | Landa ECOS 7000 Trailer

< BACK TO PREVIOUS PAGE

**NO PAYMENTS  
NO INTEREST**  
ON NEW LANDA PRESSURE WASHERS  
SAVE UP TO **\$800**  
ON SELECT HOT WATER PRESSURE WASHERS

**FAQ ?**

**PRESSURE WASHERS**

- Hot Water Pressure Washers
- Cold Water Pressure Washers
- Hot Water Generators for

**LANDA ECOS 7000 TRAILER**  
**LANDA**

The Landa ECOS trailer is an environmentally friendly mobile wash and reclaim system that cleans and recycles the dirty water from pressure washing for safe disposal or reuse.

**GET A QUOTE**

SKU: 1.103-825.0

Categories: Pressure Washers, Pressure Washer Trailer Systems

f t p

7:45 PM  
4/12/2018

Requires a pad that collects water and recirculates it plus a storage shed.

# Prevention: WISP

## 2018

- Coverage at more than 200 locations
- Additional coverage on the Hudson River and Mohawk River
- Additional coverage in the Catskills and Western New York
- More major players using standardized data collection software and contributing to statewide database



J. Clayton, NYSDEC

# Prevention: Data standardization and centralized database

OPRHP, NYSDEC and New York Natural Heritage Program (NYNHP) collaboration



J. Clayton, NYSDEC

# Watercraft Inspection Stewards Program App “WISPA”

- Many different boat launch steward programs across the state
- Remotely Located Stewards
  - NYS Parks – managing 20+ locations (West-East)
  - AWI managing more than 60 locations next season
- Paper forms lost/wet (LEGIBILITY)
- Data-entry post season
- Time delay in viewing “big picture”
- Aggregating the data to create the statewide “Big Picture” challenging

014 New York State Parks Boat Stewardship Program			
Boat Launch: WILSON HILL		Weather AM: Sunny	
Waterbody: ST. LAWRENCE RIV.		Organism Type <sup>2</sup>	Did Patron take AIS Spread Prevention Steps? <sup>3</sup>
Time of Launch/Retrieval (Circle AM/PM)			
Launching Retrieving	8:10 am/pm	Yes/ No/ D	HV, ZM, BB, DB



Photos courtesy of NYS Parks

# WISPA: Early Work

2012 – NY Sea Grant

2014 – NYS OPRHP

Limitations/Issues

2016 – NYS Federation of  
Lake Associations

ODK Collect > SeaGrantWCSurvey

**Watercraft Type**  
Select watercraft type



# WISPA: 2017 Pilot

- Partnership: 6 agencies tested the app
- Survey123 form for tablets (>30K records collected!)
- ArcGIS Online web apps for data display/download



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



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Survey123 for ArcGIS

NYS Watercraft Inspection Survey 2.4

**Welcome!**  
You are signed in as: Matt Brincka,  
with the: New York OPRHP

\* = Required Field

Select launch name: \*  
Canandaigua

Previous contact with a boat launch steward? \*  
 Yes  No

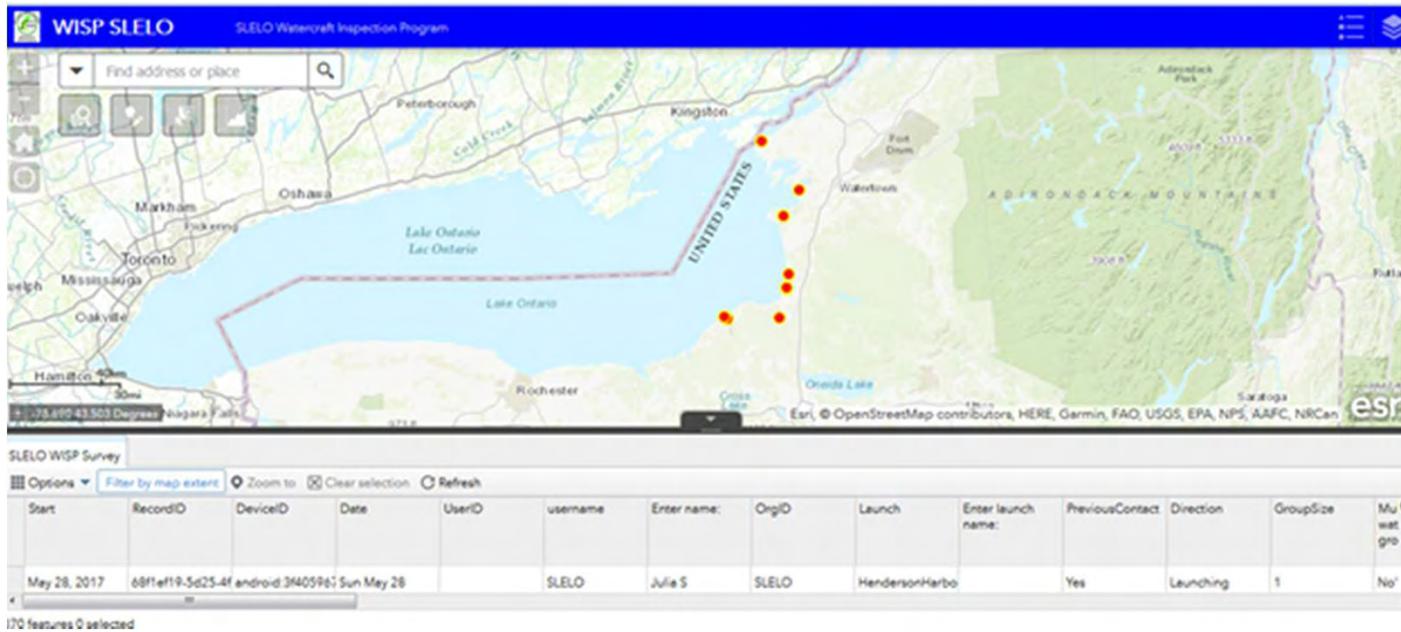
Select launch direction: \*  
 Launching  Retrieving

Group size: \*  
- 1 +

Select watercraft type: \*  
 Motorboat  Kayak  
 Canoe  PWC

✓

# WISPA: 2017 Pilot



## WISPA- Agreeing on the basics

- Stewards are given a tablet
- They enter data on survey form interface of app
- Many questions are same across all programs
- Some additional customized questions



# WISPA – Standard tablet

The screenshot shows a web browser window displaying the Blinq website. The browser's address bar shows the URL: <https://www.blinq.com/detail/electronics/laptops-tablets/tablets/samsung-galaxy>. The website header features the Blinq logo, a search bar with the text "Search our amazing deals - up to 70% off", and navigation links for "Account & Help" and "Featured Sales". The main content area displays the product "Samsung Galaxy Tab A 8" Tablet 16GB Android 5.0 - White (SMT350CAEX)" for \$96.99, marked as 58% off the list price of \$229.99. The condition is listed as "Used - Very Good" with a note that the item is fully functional but may show minor wear. A green "ADD TO CART" button is visible. The bottom of the page features a banner with "The BLINQ Promise" and several service guarantees: "BEST PRICE Guarantee", "FREE SHIPPING No Minimum", "EASY RETURNS VIP Service", and "Get in touch!". The Windows taskbar at the bottom shows the time as 7:37 PM on 4/12/2018.

Plus a screen protector and ruggedized case.

## WISPA-The survey form

- GPS coordinates to verify steward's location
- Date and time automatically assigned to each survey
- Data can be held in the outbox and then sent to the cloud

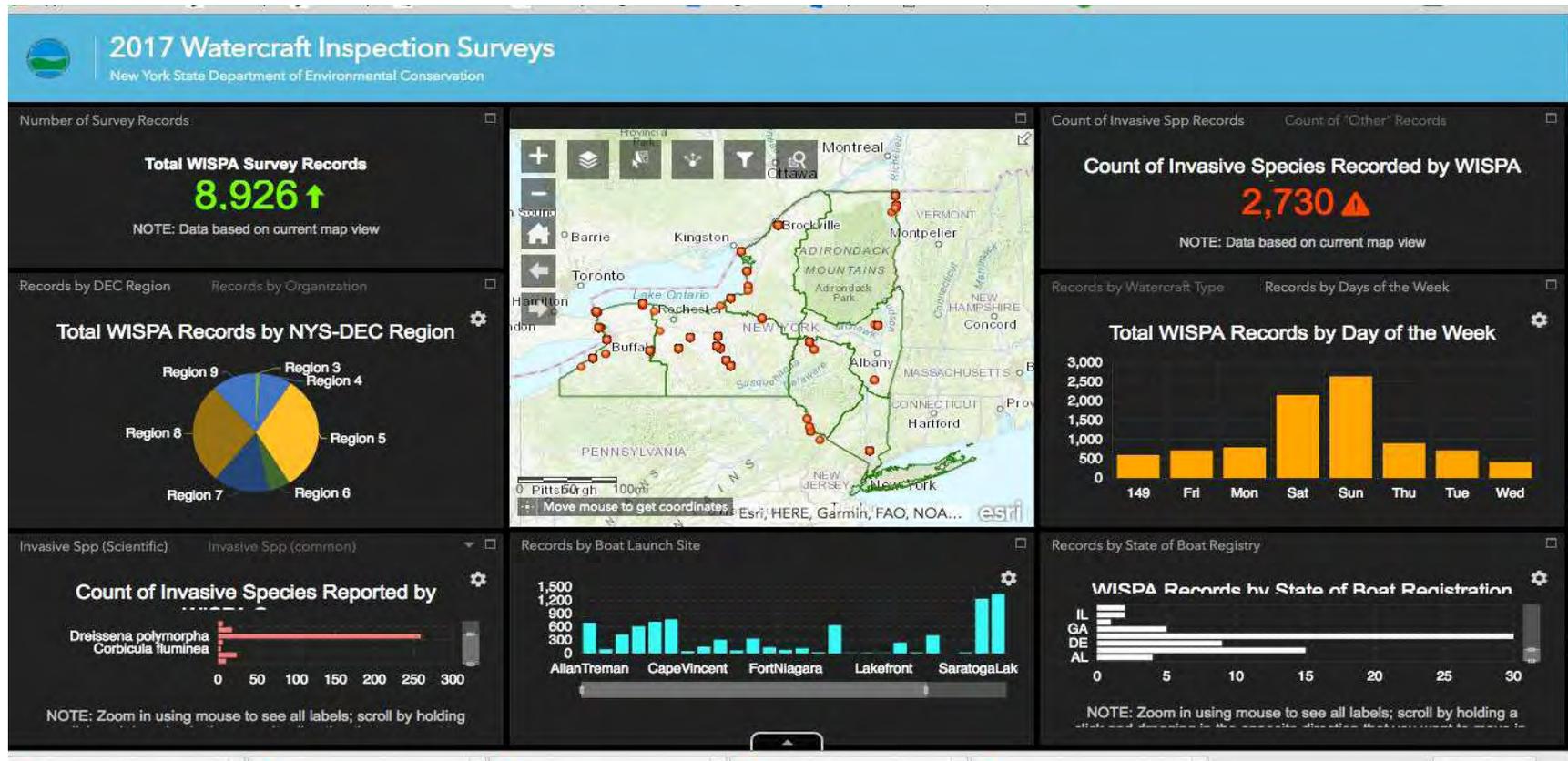


## WISPA- The data

- Each organization does their own QA/QC online
- And can access and view only their own data
- DEC and Parks can view all data that have been submitted
- Can perform analytics
- Linked to GIS online



# WISPA: Database Dashboard



# WISPA

2018

First season for

- Adirondack Watershed Institute
- Finger Lakes Institute
- Western NY PRISM and LIISMA



Erie Basin Marina (fineartamerica.com)

# Message consistency

Standardized education and outreach products

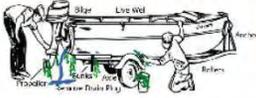
Standardized training for stewards

Standardized signs

AIS disposal stations

**STOP THE INVASION**  
PROTECT NEW YORK FROM INVASIVE SPECIES

**ATTENTION BOATERS**



**New regulations protect the waters you enjoy from aquatic invasive species.**

Aquatic invasive species (AIS) are non-native plants and animals that spoil boating and fishing, threaten native plants and animals, and destroy habitat. They are difficult and costly to remove, so let's keep them out!

**All boaters in New York State must:**

- Inspect floating docks, watercraft, trailers and equipment, and remove visible plant and animal material.
- Drain, and if possible, flush your boat's bilge, live well, bait well and other water-holding compartments after use.

More about preventing the spread of AIS:  
[www.dec.ny.gov/animals/48221.html](http://www.dec.ny.gov/animals/48221.html)

**Examples of AIS in NY**

**Water Chestnut**  
H. Smith, NYDEC

- Fan-shaped leaves with toothed edges
- Sharp-edged seeds can cut feet
- Dense floating mats impede boating, fishing and swimming

**Zebra Mussel**  
A. Barson, USGS, Bugwood.org

- Tiny D-shaped or oval striped shells
- Can cover hard surfaces like docks and mooring lines
- Shells can cut feet

**Eurasian Watermilfoil**  
G. Lovell, ADCNR, Bugwood.org

- 4-6 feathery leaves around stem, blunt-tipped, as if snipped off
- New plants sprout from fragments
- Most common and widely distributed AIS in NY
- Dense plants impede boating, fishing and swimming

**Spiny Waterflea**  
Z. DeBor, LGA

- Tiny crustacean with long, barbed tail
- Competes with small fish for food
- Can clog gulleys of fishing rods

**Hydrilla**  
Tim Kynski, Cleveland Aquatics, Bugwood.org

- 4-8 blade-like, slightly toothed leaves around stem
- Dense plants impede boating, fishing and swimming
- Tolerates both fresh and brackish water

More information about AIS:  
[www.dec.ny.gov/animals/99141.html](http://www.dec.ny.gov/animals/99141.html)

**STOP THE INVASION**  
PROTECT NEW YORK FROM INVASIVE SPECIES

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**BOAT STEWARD PROGRAMS**  
Aquatic Invasive Species Education and Outreach

Aquatic invasive species (AIS) are non-native aquatic plants and animals that can cause environmental and economic harm and harm to human health. Many AIS have been found in the lakes, ponds, and rivers of New York. These plants and animals are often transported from waterbody to waterbody on watercraft and equipment. Boat stewards perform a vital function in protecting New York State's waters and raising public awareness about aquatic invaders.

**Who are boat stewards?**

Boat stewards are volunteers or paid members of the community who provide boaters and other water recreationists with important information about what precautions can be taken to reduce the likelihood of spreading AIS. They help people learn how to inspect, clean, drain, and treat watercraft and equipment. Stewards will also ask where you last launched and can sometimes determine what invasive species are found in the lake or pond you visited through the MapInvasives website. Stewards have a wealth of knowledge about AIS and are happy to answer your questions.

**Why are boat steward programs necessary?**

New York has more than 7,000 lakes, ponds, and rivers that could potentially be exposed to dozens of harmful aquatic invasive species ([www.dec.ny.gov/animals/50272.html](http://www.dec.ny.gov/animals/50272.html)).

One of the main pathways for transfer of aquatic invasive species between waterbodies is recreational water vehicles (boats, canoes, kayaks, and jet skis). Aquatic invasive plants and animals such as hydrilla, water chestnut, Eurasian watermilfoil, zebra mussels, and Asian clams are easily transported on boats, boat trailers, and recreational gear.

The regulation, **NYCRR Part 416**, requires water recreationists to take reasonable precautions to prevent the spread of aquatic invasive species ([www.dec.ny.gov/animals/99141.html](http://www.dec.ny.gov/animals/99141.html)). In support of this regulation, New York is expanding boat steward programs across the state, particularly in popular, high-use areas. In-person interactions with boaters, anglers, and other recreational water users raises awareness about aquatic invasive species and practices (cleaning, draining, and treating) that reduce the chance of spreading aquatic invaders.

**Where are boat steward programs located?**

Over the last few years, boat steward programs have expanded from the Finger Lakes and Adirondack Regions to Western New York, the Catskills, the Mohawk and Hudson Rivers, and Long Island. More than 120 locations have active boat stewards. The programs are administered by academic institutions, lake associations, Soil and Water Conservation Districts, Cornell Cooperative Extension, NYS Office of Parks, Recreation and Historic Preservation (Parks), and Regional Partnerships for Invasive Species Management (PRISMs) at both public and private launches.

For more information, or to sign-up for email updates from NYDEC, visit our website: [www.dec.ny.gov](http://www.dec.ny.gov)



Boat steward records information from a boater. J. Clayton, DEC

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File Edit View History Bookmarks Tools Help

Aquatic Invasive Species B... x +

http://www.dec.ny.gov/animals/107807.html

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## Aquatic Invasive Species Boat Stewards

New York has more than 7,000 lakes, ponds, and rivers that could potentially be exposed to dozens of harmful aquatic invasive species (AIS) that have already been introduced and many more species that pose a threat. In July 2015, New York released its updated Aquatic Invasive Species Management Plan to help prevent the introduction and spread of aquatic invasive species into and within New York State's waters.

One of the main pathways for transfer of aquatic invasive species between waterbodies is recreational water vehicles (boats, canoes, kayaks, and jet skis). For this reason the top priority of the statewide AIS management plan is to expand the coverage of boat stewardship programs across the state, particularly in popular, high-use areas. In-person interactions with boaters, anglers, and other recreational water users raises awareness about aquatic invasive species and practices (cleaning, draining, and treating) that reduce the chance of spreading aquatic invaders. Read more about the [practices required to prevent the spread of AIS \(PDF, 340 KB\)](#).

In 2016 more than 120,000 boats were inspected and boat stewards talked with more than 140,000 water recreationists.

### Who are Boat Stewards and What Do They Do?

Boat stewards are volunteers or paid members of your community who help protect New York State's waters. An encounter with a steward will involve being asked if you already practice preventive measures and receiving instruction about how to inspect and "clean, drain, and treat" your watercraft and equipment. You will also be asked which waterbody you last visited so that the steward can determine if you are coming from infested waters and what species are there. Boat stewards will have access to this information for many lakes and ponds through the [iMapInvasives website](#) (leaves DEC website). Boat stewards have a wealth of information about aquatic invasive species. Feel free to ask them questions!

### Resources for Boat Steward Programs

Setting up and maintaining a boat steward program can seem daunting. NYSDEC, NYS OPRHP (Parks), New York Sea Grant (NYSG), and several other partners have teamed up to provide support for boat steward programs. This team of agencies is making every effort to standardize the training, messaging, and information that is distributed throughout the state. The following resources are available for organizations interested in learning more about what is involved in developing a program and how to improve existing programs.

### Funding and Personnel



*Kayakers at Round Lake*



Windows Taskbar: Window..., DEC, Sticky N..., Inbox - ..., McGlyn..., Window..., Aquatic..., 1:26 PM 4/4/2017

# Dedicated webpage for Boat Steward Programs

# Boat Steward Training Programs 2018

- Western New York
- Adirondack Watershed Institute
- Parks/NYSeaGrant
- Finger Lakes Institute
- Catskill Regional Invasive Species Partnership



J. Clayton, NYSDEC

# Season kickoff Memorial Day weekend



J. Clayton



J. Clayton

# Thank you!

**Cathy McGlynn**  
**AIS Coordinator**  
**Bureau of Invasive Species and**  
**Ecosystem Health**  
**Invasive Species Coordination**  
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[catherine.mcglynn@dec.ny.gov](mailto:catherine.mcglynn@dec.ny.gov)

