

Adirondack Park Invasive Plant Program (APIPP)

ALA Meeting – December 9, 2015

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Today's Topics

- AIS in the Adirondacks
- APIPP as a Resource Program
- Rapid Response Plan and Team Approach





Eurasian watermilfoil, Eagle Lake



Water chestnut, Lake Champlain

Impacts of Aquatic Invasive Plants



- **Decreased native plant diversity**
- **Decreased habitat complexity**
- **Decreased light and oxygenation**
- **Increased sedimentation and nutrient loading**
- **Accelerates eutrophication and lake aging**
- **May affect pH and temperature levels**

Economic impacts are costly

Invasive species cost the U.S. an estimated \$137 billion every year!

Water Chestnut Infestation, Lake Champlain



- Reduced water quality
- Reduced productivity of fisheries
- Impaired recreational activities; access, boating, birding, fishing, hunting

Milfoil Infestation, Upper Saranac Lake

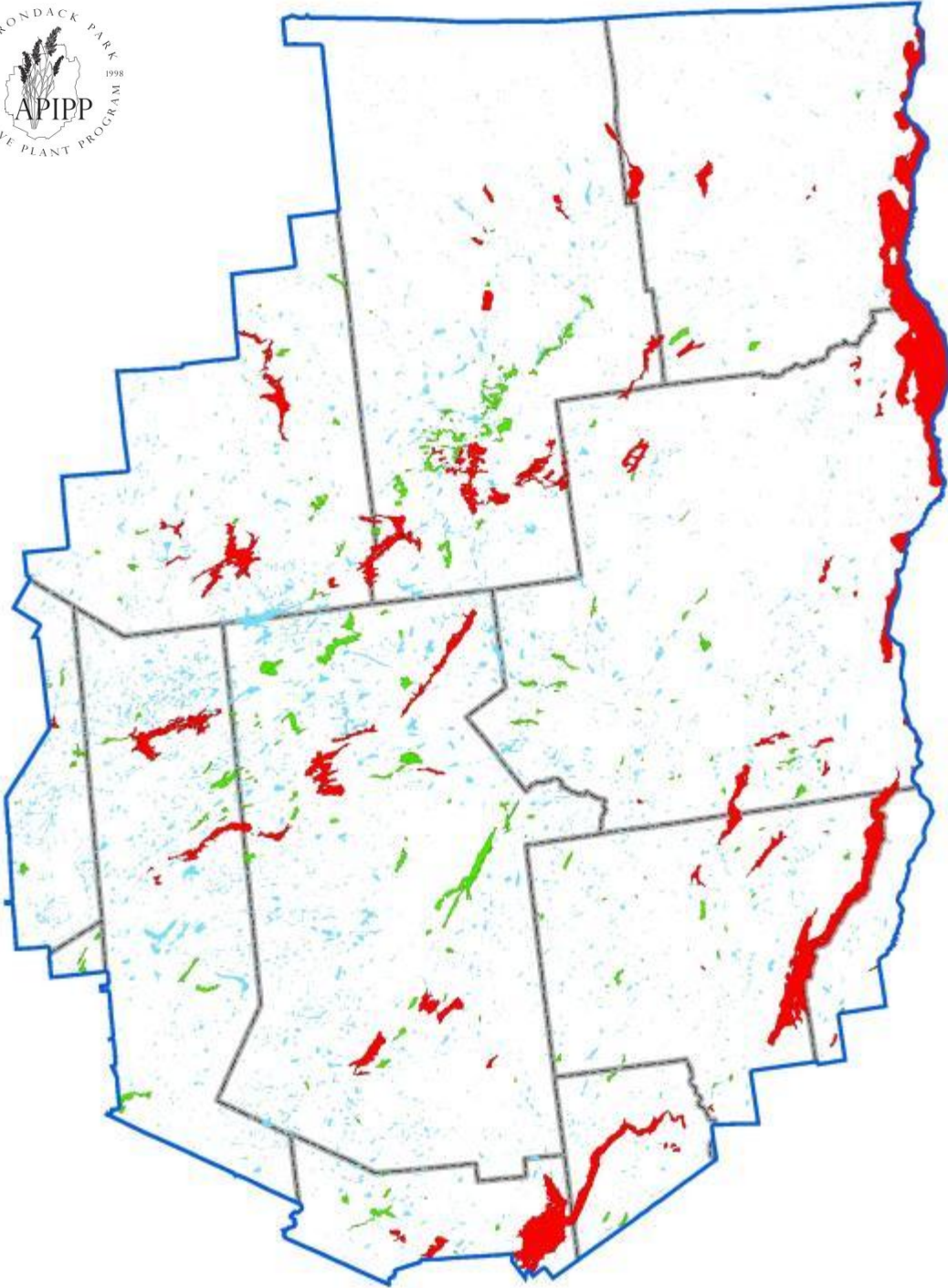


- Negative impact on tourism
- Reduced property values

ADK Economic Impacts



- **\$4.27 million** being spent on invasive species in the Adirondacks
- Estimated cost of 8 Invasive Species: 4 aquatic and 4 terrestrial
- Estimated Annual Loss of **\$48-53 million**
- Total Estimated Property Value Loss of **\$420-840 million**



Lakes Monitored & AIS Distribution

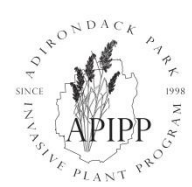
Total Number of Lakes Invaded:

98

Total Number of Lakes Uninvaded:

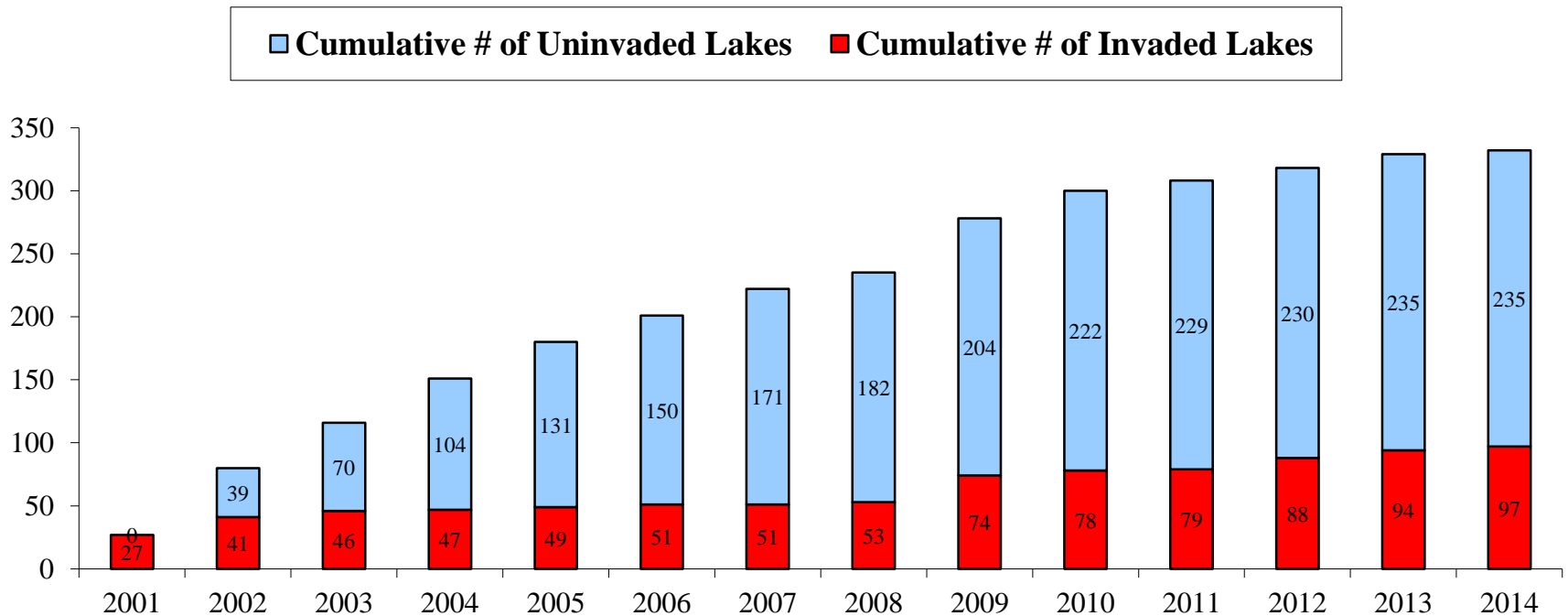
243

~7 out of every 10 lakes are AIS-free!



Opportunity Exists

**Number of Invaded Lakes and Uninvaded Lakes
in the Adirondack Region
2001-2014**





Aquatic Invasive Plants in the Adirondacks



Eurasian watermilfoil
Myriophyllum spicatum



Variable-leaf watermilfoil
Myriophyllum heterophyllum



Curly-leaf pondweed
Potamogeton crispus



Yellow floating heart
Nymphoides peltata



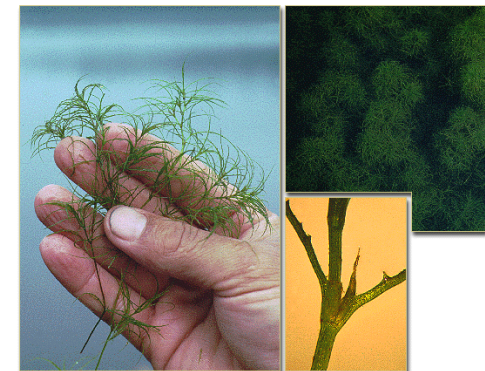
Fanwort
Cabomba caroliniana



Water chestnut
Trapa natans



European frog-bit
Hydrocharus morsus-ranae



Brittle naiad
Najas minor

Aquatic Invasive Animals in the Adirondacks



Spiny waterflea
Bythotrephes longimanus



Zebra mussel
Dreissena polymorpha



Asian clam
Corbicula fluminea



Alewife
Alosa pseudoharengus



Chinese mystery snail
Cipangopaludina chinensis



Banded mystery snail
Viviparus georgianus



Mission:

To protect the Adirondack region from the negative impacts of invasive species

Goals:

1. Prevent new introductions
2. Rapidly detect and eradicate new infestations
3. Manage existing priority infestations to mitigate impacts

Activities:

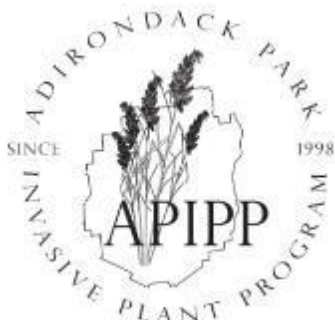
Coordination, Prevention, Education & Outreach, Survey & Mapping, Control & Management, Monitoring, Research, Planning, Policies, Funding

Partnerships:

3 staff, 1 seasonal
4 principal partners (+4 new ones)
30+ cooperating organizations
100s of volunteers

Funding:

Environmental Protection Fund (5 yrs)
2008-2013; 2013-2017



Resources for Lake Associations

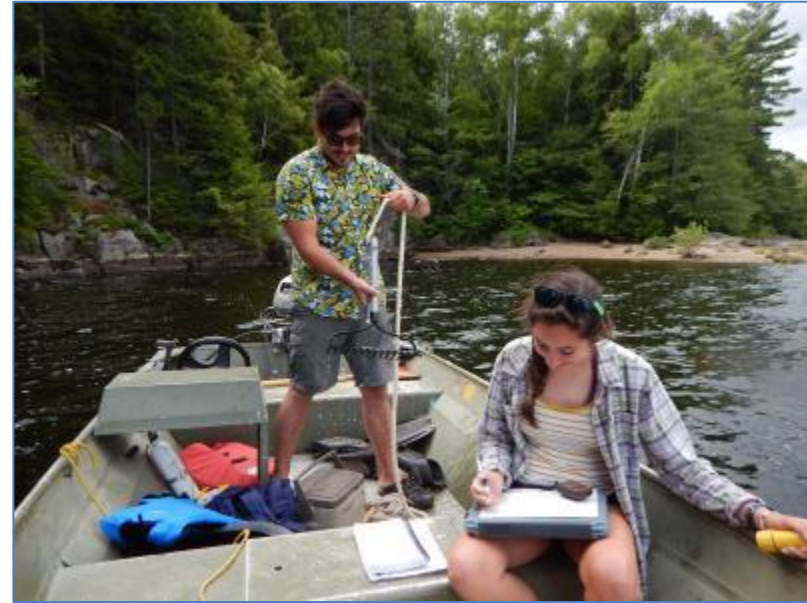
- Resource Network
 - Website – www.adkinvasives.com
 - Listserv
 - Blog
 - Brochures, signs, reports
- Trainings
 - Invasive Species Identification
 - Monitoring Protocols
- Outreach & Education
 - Presentations/Workshops
 - Education Table
- Provide expertise and resources
- Coordination of Partners





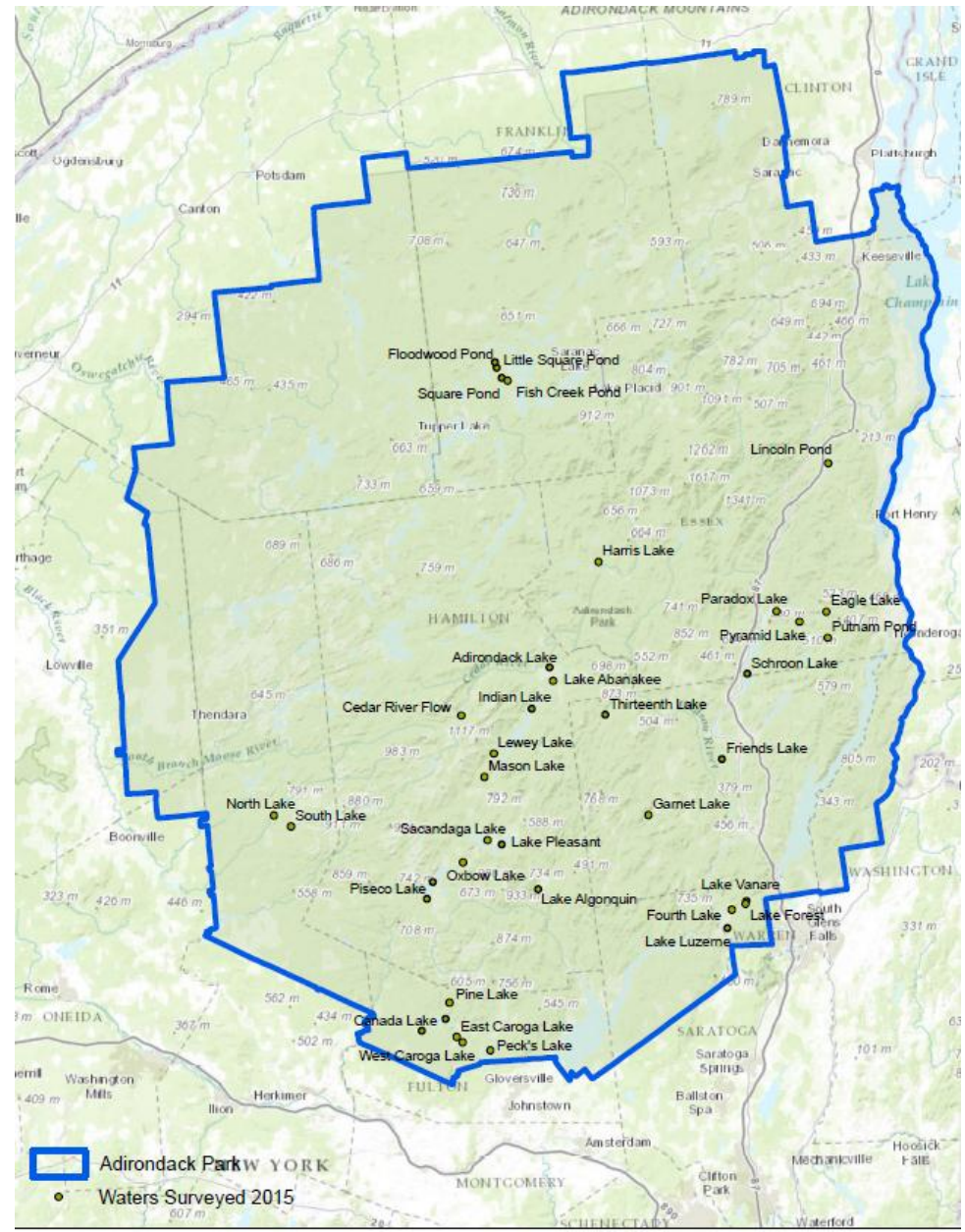
Role of Aquatic Response Team

- Conduct early detection surveys
- Control new infestations (rapid response)
- Control existing priority infestations



2015 AIS Response Team

- 38 lakes surveyed
- 17 had AIS
 - 13 with EWM
- 1 new infested lake
 - Square Pond
- No new SWF or AC!



AIS Rapid Response Plan

- Identifies a Task Force
- Establishes timeline
- Outlines protocols
 - Eradication
 - Containment
 - Spread Prevention
- Highlights Need for Rapid Permitting



Lake Champlain Basin Program
Aquatic Nuisance Species Subcommittee
Rapid Response Workgroup

Lake Champlain Basin
Rapid Response Action Plan
for
Aquatic Invasive Species

May, 2009





AIS Rapid Response Plan

Rapid Response Steps:

1. Species Confirmation

- Week 1

2. Delineation, Isolation, and Preliminary Evaluation

- Week 2

3. Treatment Selection and Design

- Week 3

← Identification of permitting needs

4. Treatment Plan Implementation

- Before Week 12

← Go through the permitting process

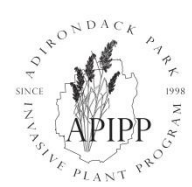
5. Monitoring and Evaluation



Rapid Response in Your Lake

- Develop a process for your lake to annually monitor for AIS
- Report new AIS sightings to APIPP
- Develop and implement a rapid response





DEC ANNOUNCES \$2 MILLION GRANT PROGRAM TO HELP PREVENT THE SPREAD OF AQUATIC INVASIVE SPECIES STATEWIDE

Grants Build Upon State's Actions to Slow the Spread of Aquatic Invasive Species

Applications Accepted Through January 29

Eligible Project Types:

1. Boat Steward Inspections & Outreach
2. Boat Decontamination Stations
3. Steward Training Programs

- Grant Range:
\$25,000-\$100,000
- 25% Match

Priority Given To:

- Regional projects
- Focus on stewards
- Lakes with 50%+ publicly owned shoreline



The APIPP Team

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