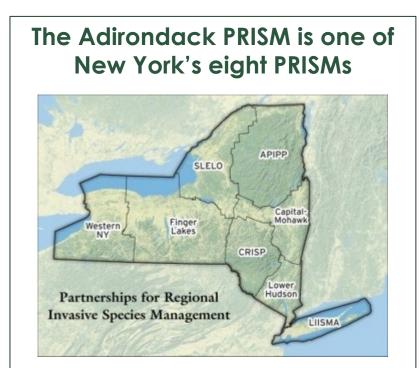
The Adirondack Park Invasive Plant Program



May 13, 2022

What is the Adirondack Park Invasive Plant Program (APIPP)?



APIPP's mission is to protect the Adirondack region from the negative impacts of invasive species

Four founding partners formed APIPP in 2003; APIPP is hosted by The Nature Conservancy



Park Agency

NEW YORK **Department of** STATE OF OPPORTUNITY Transportation

Funding is provided, in part, by the **Environmental Protection Fund as** administered by NYSDEC



Meet the APIPP Team

Becca Bernacki Terrestrial IS Coordinator



Brian Greene Aquatic IS Coordinator



Shaun Kittle Communications Coordinator



Tammara Van Ryn Program Manager



Zack Simek Conservation and GIS Analyst



Adellia Baker Temporary IS Assistant



...and Starting May 16

Megan Grega Seasonal Forest Pest Research Assistant

Becca Tamagna Seasonal Invasive Species Management Steward

Terrestrial IS Program Goals





Rapidly detect & eradicate new infestations



Manage existing priority infestations to mitigate impacts



Terrestrial Early Detection and Rapid Response (EDRR) Crew



- Crew of 4 from Invasive Plant Control, Inc.
- 14 Weeks
- In 2021, assessed 1,700+ sites
- In 2021, treated over 500 sites

APIPP annually treats approximately 350 sites on DOT rights-of-way and approximately 125 sites (totaling roughly 11 acres) on Forest Preserve



Invasive Species Management Stewards 2021





- Surveyed :
 - 38 NYSDEC campgrounds
 - Over 135 recreational access
 points
- Removed over 15,000 plants
- Inspected emerald ash borer traps
- Surveyed grids for spotted lanternfly and tree-of-heaven
- And much more!



Knotweed Management Partnership 2021

~ 85 landowner and municipal permissions secured by volunteers

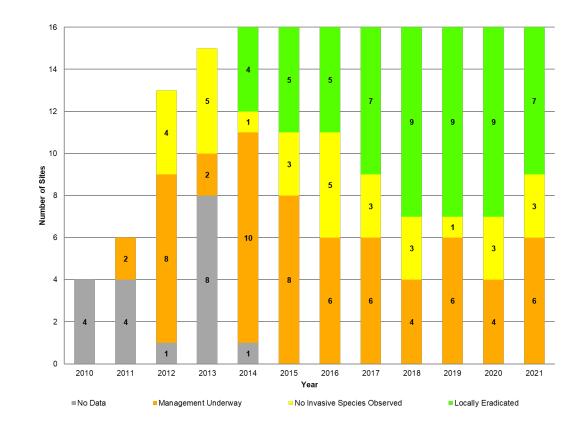
~115 sites treated in 2021





Giant Hogweed 2021

- 16 historic sites
 - 6 had plants present
- 62.5% are free of giant hogweed





Japanese Stiltgrass 2021

- 1st detected in the PRISM in September
- Reported by a landowner in Bolton Landing
- Promptly surveyed and treated







Hemlock Woolly Adelgid Management: Dome Island

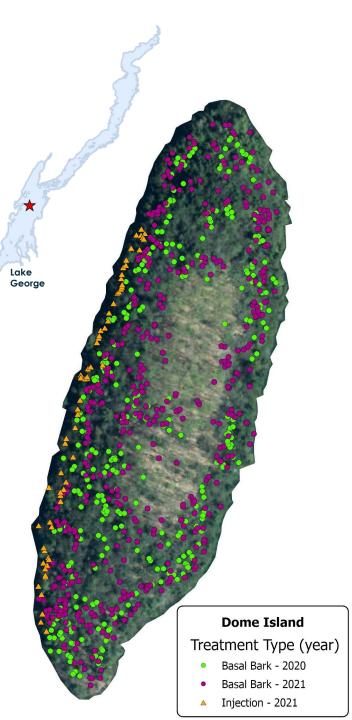
857 Trees Treated

with basal bark spray of imidacloprid and dinotefuran.

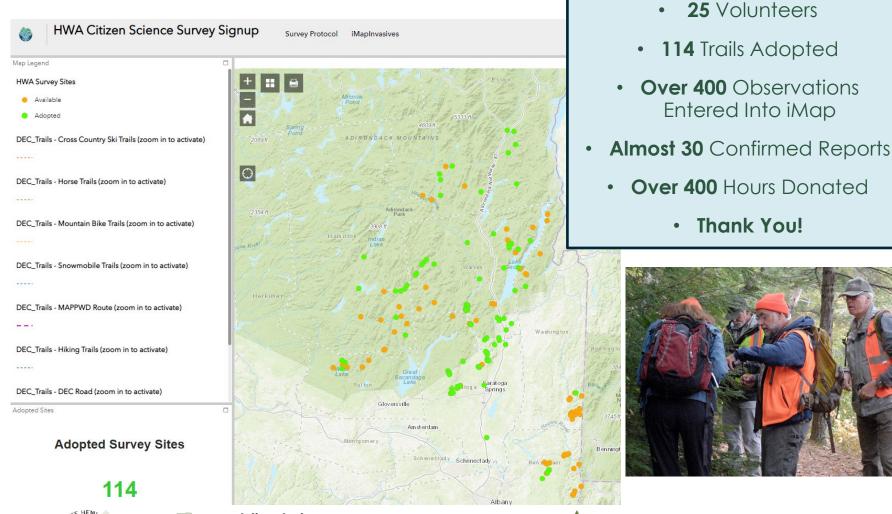


71 Shoreline Trees Treated

with injection of imidacloprid



Forest Pest Hunter Volunteers







iMapInvasives Mountai







Research and Innovation



- Emerald ash borer monitoring plots in black, white, and green ash
- Using drones to survey for invasive species
- Expanding earlydetection of HWA with aerial imaging and eDNA

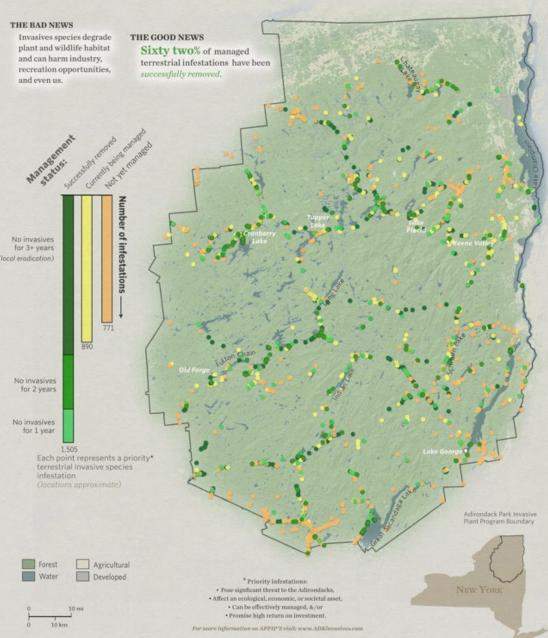


ADIRONDACK PARK INVASIVE PLANT PROGRAM celebrating 20+ years of invasive species management success

Results!

 Invasive species successfully removed from 1,505 of 2,395 managed sites > 62%

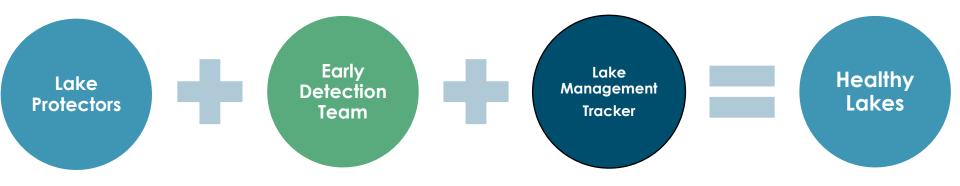
 2021 research shows sites passively retore to native habitat



Adirondacks

Data from the Adirondack Park Invasive Plant Program, The Nature Conservancy & USGS | December 2021

Aquatic Invasive Species Monitoring





Lake Protectors

Layer List

- 2021 marked 20th Year!
- Volunteers
 - Attend training

Lyers Q TO Adopted Waterbooks Partial Waterb

- Sign up to survey a lake
- Report findings

Lake Protectors Spotlight: Debbie Schwarting

We caught up with one of the original Lake Protectors who is on her twentieth year of monitoring for invasive species! Debbie shared some stories about her incredible dedication to Adirondack lakes.



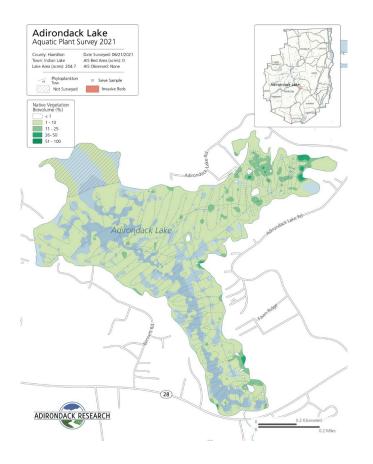


Early Detection Team

- Surveys 30-50 lakes each year
- Rotates among three regions







APIPP currently contracts with Adirondack Research to provided a trained team and prepared a complete report of lakes surveyed.

Lake Management Tracker

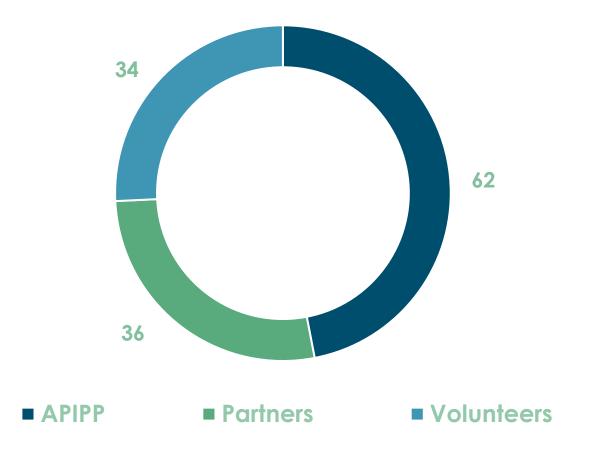
- Entering fifth year
- 9 lakes have participated
- Volunteers collected over 1,600 observations in 2021 to assess AIS management success







2021 AIS Surveys Reported





Results!

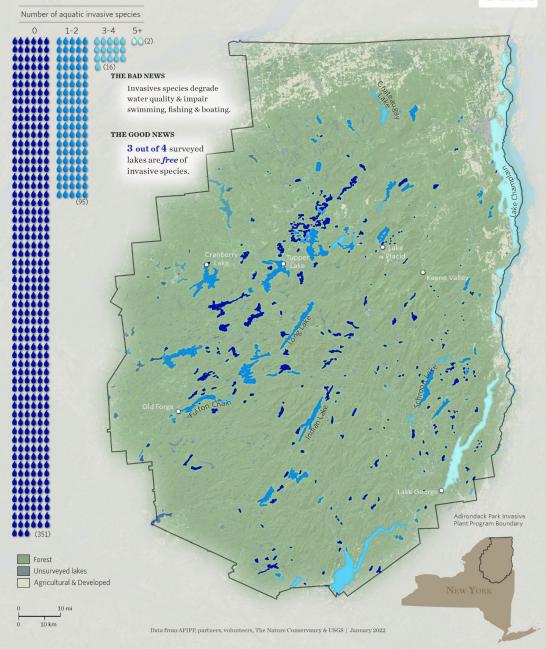
- 464 lakes have been monitored in twenty years
- Over 75% of lakes are AIS free
- Regional knowledge about distribution of AIS



ADIRONDACK LAKES DEPEND ON US

protect your waters by keeping invasive species out





Research and Innovation



- Lake Champlain boat launch pilot management project
- eDNA sampling



Community Engagement





Together we can conserve the water quality recreational opportunities wildlife habitat and economic vitality of the Adirondacks.



HOW DO INVASIVE SPECIES SPREAD?

Most often it is because of us. Every day human activities are the primary way invasive species spread. Many plants and animals have the potential to become invasive if introduced to new reaions

When hiking, hunting, biking, camping, or just walking our dogs in the woods, we can unintentionally transport plant seeds and invasiv insects into and around the Adirondacks

To prevent the spread of invasive species when you PLAY in the Adirondacks, atways CLEAN footware, gear, vehicles, bikes, and pets of mud. seeds, and plants before and after each outdoor achienture STAY on trails to avoid carrying invasive seeds into new areas.

BUY IT WHERE YOU BURN IT Prevent the spread of harmful forest pests that treaten trees - buy local firewood and never bring firewood from home. Find certified, heat treated firewood seller and learn about local regulations at www.Dontmovefirewood.org

WHAT IS THE ADIRONDACK PARK INVASIVE PLANT PROGRAM (APIPP)?

PIPP is a Partnership In Regional Invasive Species Management programs (PRISMs), managed by of the Nature Conservancy in New York and one of eight PRISMs funded by the New York State Department of vironmental Conservation. Our mission is to protect the Adirondack region from the mic. environmental. and public health impacts of invasive species.

Since 1998, APIPP and our many dedicated partners have worked to limit the introduction and spread of invasive plants and animals to the Adirondack region through comprehensiv education, prevention, and strategic management projects.

Interested in learning more? APIPP can connect you to education, conservation, and volunteer opportunities throughout the region WWW.ADKINVASIVES.COM

INVASIVE SPECIES MANAGEMENT

The Nature Conservancy Mailing Address: P.O.Box 65, Keene Valley, NY 12943 (518) 576-2082

NEW YORK STATE Environmental Conservation York State Department of Environmental ConPROTECT YOUR FNRFS



animals. They can be found on the land, in the water, or even in our backyards. These species are not native to our region and cause harm to ecosystems, human health, and vital economic sectors such as farming, forestry and tourism. wasive species compete with native plants and animals for space nutrients and/or water Once an infestation is established, invasive species damage forests destroy wildlife habitat take over fields and wetlands, dominate waterways, ruin food crops and cause human health problems

ADKINVASIVES.COM

ASIVE SPECIES WHEN YOU CAMP, HUNT, HI BIKE, AND HAVE FUN IN THE ADIRONDACKS

You can protect the places you love by following the tips in this brochure when hiking, hunting, camping, biking, and horseback riding in New York's Adirondack region

Together we can conserve the recreation opportunities, scenic beauty, wildlife habitat and conomic vitality of the Adirondacks.

Visit www.ADKinvasives.com to learn more about invasive species and all the ways you can help protect the lands you love.

Thank you!



INVASIVE SPECIES

MANAGEMENT

ADIRONDACKS

In 2021 Distributed:

- To 116 businesses & organizations
- 38 towns, 65 campgrounds, all AWI inspection stations, and 150 NYSDEC kiosks
- ~44,000 brochures to partners and businesses
- ~ 2,700 posters to partners and **businesses**

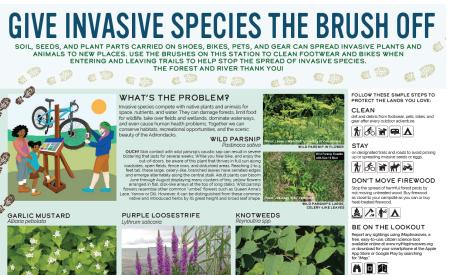


Prevention Messaging

Clean, Drain, Dry



Boot Brush Stations



Not only does this early spring herb outcompete native understory plants on the forest floor, but it also releases chemicals hermit to the soil organisms that trees need to thrive. Biooming in May, thry white flowers develop a massive number of seeds that can live up to sever years in the soil. Depending on the age of this blennial plant, gaitio mustard will loci different. First year plants develop a mustard will loci different. First year plants develop a ette of kidney-shaped leaves whereas second year ints have multiple, tall stems with triangular, sharply

From 1a,1b to Softemmer this charge persential is easily identified by its all magnets for lower solvers. Physics is constrict reproduces at a protific rate with mature plants releasing to 0.2 million sectors, mathematic and plants and it thrike growing conditions, mathematic and plants and its thrike dictines, and lawerscall and with magnetic solutions to three, and lawerscall bodies show the solution of habitab by outcompeting native plants for growing space. Itering water flows, and dicreasing jucidiversity (



Knotweed grows calcely and form dense stands that can take over forest edges, stream banks, roadways, and yards. That is not system spread to thim paper lipation to form dense mast that outcompete native shrubs and valid/haven for resources. Its how have strategies are bank to form any stream of the stream have strategies and stream of the stream have strategies and the resources. Its how have strategies are bank to resource the stream have strategies and stream of the stream have stream of the stream of the stream of the stream of the and papes to any experiment for any stream plants can reach heights of more than 18 feet tail. NEW YORK STATE Env





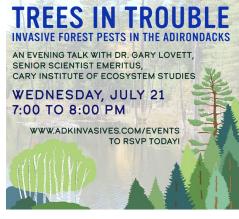
Educational Programming



THE ADIRONDACK PARK INVASIVE PLANT PROGRAM PRESENTS: BACKYARD INVASIVES.COM/EVENTS TO RSVP

INVASIVE SPECIES MANAGEMENT

10:00 - 11:30 AM FREE, HOSTED ON ZOOM, RSVP REQUIRED WWW.ADKINVASIVES.COM/EVENTS TO REGISTER! FREE, HOSTED ON ZOOM, RSVP REQUIRED





- In 2021
 - 11 workshops
 - 2 partner meetings
 - >1,800 attendees
- In 2022
 - 15 events from January – April
 - >700 attendees



APIPP connects more than 30 partners and 100 volunteers across the Adirondack PRISM to protect the Adirondack region from the negative impacts of invasive species



