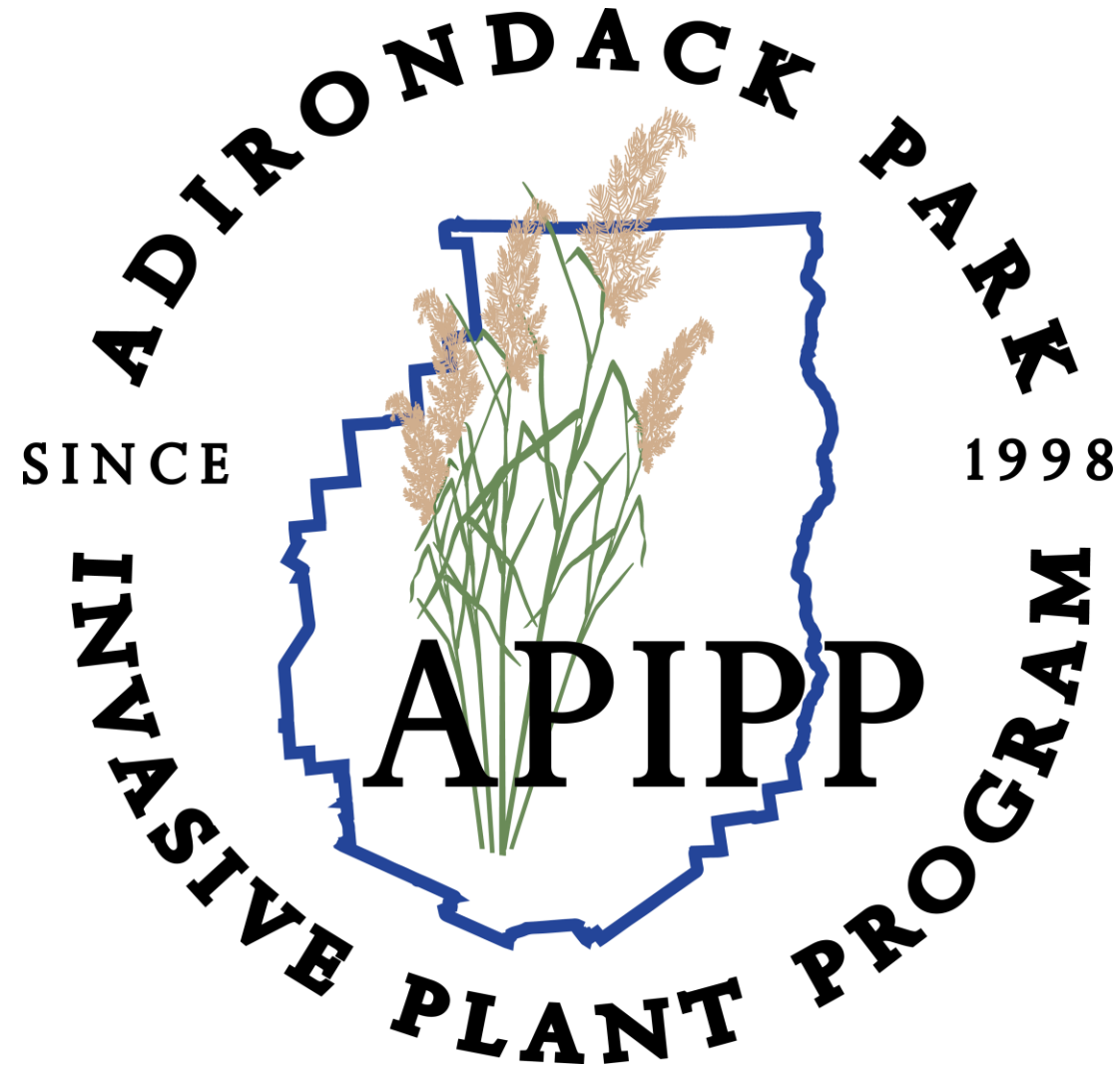


# Adirondack Partnership for Regional Invasive Species Management

## *2018 Annual Work Plan*



*The Adirondack Park Invasive Plant Program (APIPP) serves as the Adirondack Partnership for Regional Invasive Species Management (PRISM), one of eight partnerships across New York State, whose mission is to protect the Adirondack region from the negative impacts of invasive species. APIPP's 2018 work plan aligns with the PRISM's [Strategic Plan](#) and outlines ongoing activities and projects in which APIPP staff and partners are involved. Though prepared at the onset of the calendar year, actions may be adapted based on needs/opportunities identified throughout the course of the year.*

## Strategic Plan Goals

<b>A.</b>	<b>Coordination</b>
<b>B.</b>	<b>Pathway Analysis</b>
<b>C.</b>	<b>Spread Prevention and Vector Management</b>
<b>D.</b>	<b>Enforcement and Legislation</b>
<b>E.</b>	<b>Education and Outreach</b>
<b>F.</b>	<b>Surveillance, Early Detection and Rapid Response</b>
<b>G.</b>	<b>Ongoing Management</b>
<b>H.</b>	<b>Information Management</b>
<b>I.</b>	<b>Restoration</b>
<b>J.</b>	<b>Research</b>
<b>K.</b>	<b>Climate Change Adaptation</b>
<b>L.</b>	<b>Resource Development and Funding</b>

# A. Coordination

<i>Program Area</i>	<i>Actions</i>
<b>General</b>	<ul style="list-style-type: none"><li>• Organize and facilitate biannual principal partner meetings</li><li>• Participate in <a href="#">monthly PRISM conference calls/webinars</a></li><li>• Participate in quarterly PRISM leader meetings</li><li>• Serve as TNC's representative to New York's Invasive Species Advisory Committee</li><li>• Serve as New York's representative to TNC's North America Invasive Species Advisory Committee</li><li>• Integrate invasive species priorities and activities into local and regional planning initiatives taken on by partner organizations as needed</li></ul>
<b>Terrestrial</b>	<ul style="list-style-type: none"><li>• Serve as advisor to the Regional Inlet Invasive Plant Program</li></ul>
<b>Aquatic</b>	<ul style="list-style-type: none"><li>• Organize and facilitate advisory committee meetings for the <a href="#">Adirondack Aquatic Invasive Species Prevention Program</a></li><li>• Organize and facilitate expert working group meetings as needed</li></ul>

## B. Pathway Analysis

<i>Program Area</i>	<i>Actions</i>
<b>General</b>	<ul style="list-style-type: none"><li>• Focus intervention efforts on priority anthropogenic pathways for species introductions into the PRISM including recreational boating, firewood transport, gardening and landscaping, and road right-of-way maintenance</li><li>• As needed assist in intervention efforts surrounding other known anthropogenic pathways affecting the PRISM including pet trade, water gardening, bait transport, etc.</li><li>• As new species arrive to the PRISM reassess pathways for spread and intervention priorities</li></ul>
<b>Terrestrial</b>	N/A
<b>Aquatic</b>	<ul style="list-style-type: none"><li>• Assess lake vulnerability to invasion by advancing the ciBioBase project to map vegetation biovolume, depth, and bottom hardness</li></ul>

## C. Spread Prevention and Vector Management

<i>Program Area</i>	<i>Actions</i>
<b>General</b>	N/A
<b>Terrestrial</b>	<ul style="list-style-type: none"><li>• In collaboration with the NYSDOT and local highway departments provide training and resources to staff on how to identify, prevent, and manage infestations along the road right-of-way</li><li>• Provide training and resources on alternatives to ornamental invasive plants and the benefits of using clean mulch/fill to landscapers and gardeners</li><li>• In collaboration with the NYSDEC provide training and resources to staff on how to identify, prevent, and manage infestations at state campgrounds, trailheads, and other facilities</li><li>• Develop and install invasive species prevention signage and boot brush stations at TNC preserves.</li></ul>
<b>Aquatic</b>	<ul style="list-style-type: none"><li>• In collaboration with the NYSDEC conduct field evaluations and develop site construction plans for all boat inspection and decontamination stations to be deployed under the Adirondack Aquatic Invasive Species Prevention Program</li><li>• As needed and requested, participate in events where spread prevention measures can be employed such as fishing tournaments, canoe races, boat shows, etc.</li></ul>

# D. Enforcement and Legislation

<i>Program Area</i>	<i>Actions</i>
<b>General</b>	<ul style="list-style-type: none"><li>Continue to help raise public awareness of and promote compliance with New York State regulations including the <a href="#">Invasive Species Prevention Act</a>, <a href="#">Aquatic Invasive Species Transport Law</a>, <a href="#">Firewood Transport Law</a>, etc.</li></ul>
<b>Terrestrial</b>	N/A
<b>Aquatic</b>	N/A

# E. Education and Outreach

<i>Program Area</i>	<i>Actions</i>
<b>General</b>	<ul style="list-style-type: none"><li>• Recruit, hire, train, and supervise APIPP’s seasonal educator</li><li>• Contract with a communications and marketing firm to launch the <i>Keep Invasive Species Out</i> awareness campaign and advance the year-two objectives of APIPP’s communications and marketing strategy</li><li>• Organize, promote and coordinate regional participation in <a href="#">New York State Invasive Species Awareness Week</a></li><li>• Offer presentations and trainings to the public and partners as requested/identified</li><li>• Attend and provide informational displays at public events as requested/identified</li><li>• Maintain and optimize the <a href="http://www.adkinvasives.com">www.adkinvasives.com</a> and <a href="http://www.keepinvasivespeciesout.com">www.keepinvasivespeciesout.com</a> websites</li><li>• Moderate, maintain, and disseminate relevant information through APIPP’s email listserv and <a href="#">Facebook page</a></li><li>• Respond to all public and partner inquiries regarding invasive species</li><li>• Organize and facilitate a summit focused on innovations in invasive species prevention and management</li><li>• Pursue opportunities to expand APIPP’s network of partners as requested/identified</li></ul>
<b>Terrestrial</b>	<ul style="list-style-type: none"><li>• Organize, promote and facilitate at least one public training on invasive plant identification, survey and management</li><li>• Distribute invasive plant notice door-hangers and management guidelines to coordinate access to and management of high priority infestations on private lands.</li></ul>
<b>Aquatic</b>	<ul style="list-style-type: none"><li>• In collaboration with the NYSDEC and Paul Smith’s College Adirondack Watershed Institute, assist in promotion of the Adirondack Aquatic Invasive Species Prevention Program</li><li>• In collaboration with <a href="#">iMapInvasives</a> provide training on how to use the mobile app. and Simple Aquatic Survey to report and collect data on infestations</li><li>• Organize, promote and facilitate at least three species identification and survey trainings for APIPP volunteers</li><li>• In collaboration with the Adirondack Mountain Club organize, promote and facilitate two plant identification and survey trainings for volunteer backcountry water monitors</li><li>• In collaboration with the NYSDEC ensure that prevention signage is present, current, and consistent at all public and as many private boat launches as possible.</li></ul>

# F. Surveillance, Early Detection & Rapid Response

<i>Program Area</i>	<i>Actions</i>
<b>General</b>	<ul style="list-style-type: none"><li>• Maintain prioritized lists of <a href="#">target species</a> currently in the PRISM and posing the greatest threats and <a href="#">watched species</a> not currently present but that have a high likelihood to invade in the future and pose the greatest threats to guide surveys</li><li>• Conduct invasive species distribution analyses related to vectors, environmental conditions, and the likelihood of spread to guide surveys of high invasion risk areas such as roadsides, lakes with motorized access, trailheads, etc.</li></ul>
<b>Terrestrial</b>	<ul style="list-style-type: none"><li>• Contract, set work plan for, and deploy an early detection and rapid response team for 14 weeks (June – October)</li><li>• Organize and lead volunteer groups to conduct surveys in high priority areas as needed</li><li>• Advance a hyperspectral mapping and hemlock resource prioritization project in the southeastern Adirondacks in response to hemlock woolly adelgid (dependent on grant funding)</li><li>• Orchestrate obtaining all FAA and NYSDEC permits to advance a remote sensing survey project using unmanned aerial vehicles</li><li>• In collaboration with the NYSDEC, serve as Control Branch Director for management of hemlock woolly adelgid discovered on Prospect Mountain</li></ul>
<b>Aquatic</b>	<ul style="list-style-type: none"><li>• Contract, set work plan for, and deploy an early detection team for 12 weeks (June – September)</li><li>• Coordinate the volunteer lake surveillance program</li><li>• In collaboration with the Adirondack Mountain Club coordinate the volunteer backcountry lake surveillance program</li><li>• In collaboration with the NYSDEC and APA finalize and adopt a Rapid Response Framework for the Adirondack PRISM</li><li>• Using predictive models and historic data, create a list of priority water bodies for staff and volunteers to survey in 2018</li></ul>



# G. Ongoing Management

<i>Program Area</i>	<i>Actions</i>
<b>General</b>	<ul style="list-style-type: none"><li>• Orchestrate obtaining all NYSDEC, APA, and NYSDOT permits for 2018 management actions to take place</li><li>• Review latest research and outcomes of APIPP's management efforts and update APIPP's Invasive Species Best Management Practices document to incorporate practices for all plant species affecting the Adirondack PRISM</li><li>• In collaboration with the NYSDEC and APA update the Inter-Agency Guidelines for Implementing Best Management Practices to Control Invasive Species on NYSDEC Administered Lands of the Adirondack Park to include species specific management practices for all target species currently affecting the Adirondack PRISM</li><li>• Complete APIPP's <a href="#">three-tiered priority setting process</a> to determine management projects to advance over the next 5-10 years</li></ul>
<b>Terrestrial</b>	<ul style="list-style-type: none"><li>• Train, supervise and set work plan for the NYSDEC Adirondack Invasive Species Campground Specialist</li><li>• Train, supervise and set work plan for Adirondack Student Conservation Association invasive species management teams if available</li><li>• Pursue New York State pesticide certification in category 5a in order to engage in management of plant infestations growing in standing water</li><li>• Maintain New York State pesticide licensing in categories 3a and 10</li><li>• Update APIPP's herbicide treatment reference guide as new herbicide products, application methods, and/or supplemental labeling becomes available</li><li>• Develop a landowner management guide for knotweed species and implement a knotweed stem injection loaner tool program</li></ul>
<b>Aquatic</b>	<ul style="list-style-type: none"><li>• Begin tracking progress of and aggregating information on ongoing management efforts advanced by partner organizations and develop guidance on metrics to better evaluate success</li></ul>

# H. Information Management

<i>Program Area</i>	<i>Actions</i>
<b>General</b>	<ul style="list-style-type: none"><li>• Compile terrestrial and aquatic project information and finalize APIPP's 2018 annual report and work plan</li><li>• Track progress of APIPP's 5-year strategic plan and meet all NYSDEC quarterly reporting requirements</li><li>• Review, correct, and track program budget and financials</li><li>• Incorporate an <a href="#">invasive species public reporting form</a> into APIPP's website</li><li>• Update APIPP's <a href="#">online invasive species distribution map</a> with 2018 information</li><li>• Submit all 2018 invasive species survey, distribution, abundance, and management data to iMapInvasives</li><li>• Develop a searchable database of APIPP's photos</li><li>• Serve on the iMapInvasives user feedback working group</li><li>• Develop an web based interactive map to display all of APIPP's ongoing management projects</li><li>• Develop a project tracking dashboard into APIPP's website to better evaluate/demonstrate management project progress over time</li></ul>
<b>Terrestrial</b>	<ul style="list-style-type: none"><li>• Finalize TNC's Esri Collector based Invasive Plant Mobile Monitoring System and use to compile all distribution, abundance, and management data</li><li>• Evaluate management success/trends by project and species</li><li>• In collaboration with the Great Lakes Phragmites Collaborative, incorporate a sub-set of APIPP's Phragmites management sites into the <a href="#">Phragmites Adaptive Management Framework</a></li><li>• In collaboration with the Regional Inlet Invasive Plant Program, incorporate historic knotweed species treatment data into APIPP's database</li><li>• Develop a forest health and pest management reporting tool</li></ul>
<b>Aquatic</b>	<ul style="list-style-type: none"><li>• Evaluate management success/trends by project and species</li><li>• Serve as an aquatic representative on the iMapInvasives 3.0 user interface team</li></ul>

# I. Restoration

<i>Program Area</i>	<i>Actions</i>
<b>General</b>	N/A
<b>Terrestrial</b>	<ul style="list-style-type: none"><li>Contract with an environmental consulting firm to perform long-term native vegetation reestablishment monitoring on a subset of historically managed infestations.</li></ul>
<b>Aquatic</b>	N/A

# J. Research

<i>Program Area</i>	<i>Actions</i>
<b>General</b>	<ul style="list-style-type: none"><li>• Serve on the <a href="#">New York Invasive Species Research Institute's</a> (NYISRI) advisory board</li><li>• Provide all research priorities to NYISRI</li><li>• Share results of APIPP's historic reports and research publications as requested/identified</li><li>• Attend relevant scientific conferences, workshops and training sessions</li></ul>
<b>Terrestrial</b>	<ul style="list-style-type: none"><li>• In collaboration with Yale School of Forestry and Environmental Studies, incorporate a sub-set of APIPP's Phragmites management sites as part of a study to assess invasion treadmills.</li><li>• Develop and implement year one of a case study to assess the effectiveness of new herbicide products in controlling knotweed species</li></ul>
<b>Aquatic</b>	N/A

# K. Climate Change Adaptation

<i>Program Area</i>	<i>Actions</i>
<b>General</b>	<ul style="list-style-type: none"><li>• Serve as advisor to the Regional Invasive Species and Climate Change Collaborative</li></ul>
<b>Terrestrial</b>	<ul style="list-style-type: none"><li>• In collaboration with TNC's ISAC develop a position paper to promote additional research on the effects of forest pests and pathogens on carbon sequestration and storage by North America's forests</li></ul>
<b>Aquatic</b>	N/A

# L. Resource Development and Funding

<i>Program Area</i>	<i>Actions</i>
<b>General</b>	<ul style="list-style-type: none"><li>Respond to the NYSDEC's request for proposals to secure a renewed 5-year contract to advance the Adirondack PRISM under the Adirondack Chapter of TNC from 2019 - 2024</li></ul>
<b>Terrestrial</b>	<ul style="list-style-type: none"><li>Submit a proposal to the Healthy Watershed Consortium Grant Program to advance a project to acquire hyperspectral remote sensing data and prioritize hemlock resources for hemlock woolly adelgid early detection surveys across ~842,000 acres of priority, hemlock dominated HUC8 Adirondack watersheds.</li></ul>
<b>Aquatic</b>	N/A