

# 2008 Annual Report

# Prepared by

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Adirondack Park Invasive Plant Program
The Adirondack Partnership for Regional Invasive Species Management

Adirondack Chapter of The Nature Conservancy Keene Valley, New York The Adirondack Park Invasive Plant Program (APIPP) values the contributions of more than 30 cooperating organizations and more than 300 volunteers who participate in the program and share their ideas, time, and resources to protect the Adirondacks from invasive species.

We were proud to celebrate the program's tenth anniversary in 2008 and honored to receive a contract with the Department of Environmental Conservation for Environmental Protection Funds that will support APIPP's core coordinating services.

We would like to recognize the contributions of the Invasive Plant Council (IPC) of New York State's staff, board, and members. With the formation of the New York Invasive Species Council and Advisory Committee, the IPC dissolved its organization in 2008. We are grateful for the foundation laid by the IPC which advanced invasive species planning and action.

Thank you.

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# Mission

The Adirondack Park Invasive Plant Program (APIPP) serves as the Adirondack Partnership for Regional Invasive Species Management (PRISM) whose mission is to protect the Adirondack region from the negative impacts of non-native invasive species. Initiated in 1998 and housed by the Adirondack Chapter of The Nature Conservancy, the program coordinates two regional projects that integrate education, monitoring, and management strategies: the Aquatic Invasive Species Project and the Terrestrial Invasive Species Project.

#### Goals

- Prevent new introductions of invasive species.
- Coordinate a region-wide early detection rapid response program to detect and eradicate new infestations.
- *Manage existing priority infestations to mitigate impacts.*

# **Distribution Summary**

# Aquatic

 At least 53 waterways have aquatic invasive plants in the Adirondack Park (Map 1). In seven seasons, more than 371 APIPP Invasive Plant Volunteers surveyed 216 distinct waters (Map 2). With your assistance, APIPP is successfully establishing baseline information about the distribution of aquatic invasive plants in the Adirondack region. Thank you for your substantial contribution to invasive species prevention and detection!

### **Terrestrial**

• At least 701 sites of APIPP's target terrestrial invasive plants are documented in the Park. This number includes sites that have an isolated occurrence of an invasive plant and also sites with multiple occurrences, for example, *multiple* garlic mustard infestations occur in the forest understory along six miles of North Lake Road within the Black River Wild Forest Unit.

The following activities were accomplished in 2008 through the Aquatic Invasive Species Project and the Terrestrial Invasive Species Project with the assistance of partner organizations, resident groups, and volunteers:

# **2008 Training sessions**

# Aquatic

 Provided training sessions in invasive and native aquatic plant identification and monitoring techniques. Partners who assisted the sessions included Larry Eichler, Darrin Fresh Water Institute (DFWI); Scott Kishbaugh, New York State Department of Environmental Conservation (NYS DEC); Lenny Croote, Caitlin Stewart, and Elizabeth

- Mangle, Hamilton County Soil and Water Conservation District (HCSWCD). Thank you for making these sessions a success!
- Trained 62 participants in 2008 (Figure 1): 25 participants in Bolting Landing, 18 in Saranac Lake, and 19 in Old Forge.
- Distributed training manuals and secondary education resources for volunteer use.

#### **Terrestrial**

• Trained DEC's Student Conservation Association team members, two APIPP DEC SCA invasive plant stewards, and two DOT student intern stewards.

# **Early Detection**

# Aquatic

Aquatic Project volunteers surveyed for Eurasian watermilfoil, water chestnut, curlyleaf
pondweed, fanwort, European frog-bit, and yellow floating heart. The Project continues
to elevate awareness about other plant threats listed below, which have not yet been
detected in the PRISM boundaries. There are native look-alikes, and web links are cited
for species information and identification tips.

Brittle or slender naiad (Najas minor)

http://www.weedscience.ncsu.edu/aquaticweeds/facts/apfs006-99.pdf

Starry stonewort (*Nitellopsis obtusa*)

http://www.co.cayuga.ny.us/wqma/weedswatchout/plants/starrystonewort.htm

Parrotfeather (*Myriophyllum aquaticum*)

http://plants.ifas.ufl.edu/myaqpic.html

Hydrilla (*Hydrilla verticillata*)

http://aquat1.ifas.ufl.edu/hyvepic.html

Brazilian elodea (*Egeria densa*)

http://aquat1.ifas.ufl.edu/egdepic.html

For a good comparison of hydrilla, Brazilian elodea, and look alikes

http://www.des.state.nh.us/wmb/exoticspecies/HydrillaLook-alikes.pdf

#### **Terrestrial**

• In the late 90s, Terrestrial Project partners identified four primary invasive plants present in the Park that had high likelihoods of spreading: Japanese knotweed, purple loosestrife, common reed grass, and garlic mustard. Early detection surveys are ongoing for these and several additional species that have isolated infestations in the Park: yellow iris, swallow-wort spp., giant hogweed, and Indian cup-plant. For a more complete list of invasive terrestrial plants present in the region, log on to <a href="http://adkinvasives.com/PlantList.html">http://adkinvasives.com/PlantList.html</a>.

The Project continues to elevate awareness about other plant threats listed below, which have not yet been detected within the PRISM boundaries.

Japanese stiltgrass (*Microstegium vimineum*), not yet detected in the Park <a href="http://nbii-nin.ciesin.columbia.edu/ipane/icat/browse.do?specieId=12">http://nbii-nin.ciesin.columbia.edu/ipane/icat/browse.do?specieId=12</a>
Mile-a-minute vine (*Polygonum perfoliatum*), not yet detected in the Park <a href="http://nbii-nin.ciesin.columbia.edu/ipane/icat/browse.do?specieId=13">http://nbii-nin.ciesin.columbia.edu/ipane/icat/browse.do?specieId=13</a>

# ${\bf Potential\ Plant\ Threats-"Watched\ Species"}$

# Aquatic

• The plants listed below are native to the U.S. and may be native to some areas of New York. They are listed as non-native invasive species in some regions of the U.S., are reported in several waters in the region, and can grow locally aggressive.

Variable-leaf milfoil (*Myriophyllum heterophyllum*)

http://www.umext.maine.edu/onlinepubs/htmpubs/2530.htm

Southern naiad (Najas guadalupensis)

http://aquat1.ifas.ufl.edu/nagupic.html

Swollen bladderwort (*Utricularia inflata*)

http://plants.usda.gov/java/profile?symbol=UTIN

#### **Terrestrial**

• The plant listed below is not native to the U.S. and reported to grow aggressively in riparian settings in some New England states. One occurrence is reported in the northern Adirondacks. Additional information is required to determine its invasibility in the region.

Himalayan balsam (*Impatiens glandulifera*)

http://nbii-nin.ciesin.columbia.edu/ipane/icat/browse.do?specieId=58

# 2008 Monitoring

# Aquatic - 7th Season

- Coordinated regional volunteer monitoring for aquatic invasive plants.
- Since the start of the Aquatic Project in 2002, the number of waters monitored annually has nearly doubled and volunteer participation has nearly tripled (Figure 2).
- In 2008, 148 volunteer monitors and partner staff surveyed 90 Adirondack waterways (Table 1, Figure 3).
- Accrued more than 600 volunteer monitoring hours.
- Volunteer recruitment and retention remains high (Figure 4). Since 2002, the program has retained an annual average of 63 core volunteers and recruited an annual average of 53 new volunteers.
- Collaborated with partners to map and assess milfoil infestations in Putnam Pond and Meacham Lake.
- Assessed bladderwort growth and distribution in Little Long Lake.
- Eurasian watermilfoil was reported in two new waterbodies in 2008: Highlands Ledge Lake and Paradox Lake\*. \*A certified lake manager and volunteers surveyed Paradox Lake for several years, detecting no invasive plants; it is believed that this infestation is relatively new and with a quick response, may be controlled.
- Water hyacinth was not detected in 2008 in the Raquette River near Potsdam after it was detected, and removed, in 2007.

#### **Terrestrial**

- Accrued more than 31,636 miles conducting Early Detection Rapid Response activities.
- Throughout the season, staff spent 820 hours driving 31,636 miles to conduct Early Detection Rapid Response activities.

- Collaborated with DEC's Invasive Species Specialist Wayne Blanchard to inventory and map the 37 DEC land-based campgrounds in the park.
- Surveyed and monitored the following DEC Forest Preserve Units: Blue Mountain WF, Ferris Lake WF, Black River WF, Moose River Plains WF, Saranac Lakes WF, Sargent Ponds WF, William C. Whitney WA, Hoffman Notch WA, Jessup River WF, West Canada Lake WA, Siamese Ponds WA, Lake George WF, Cranberry Lake WF, Vanderwhacker Mountain WF, Shaker Mountain WF, Debar Mountain WF, High Peaks WA, St. Regis Canoe Area, and Chazy Highlands Complex Area.
- Surveyed and monitored the following DOT Right of Ways: 3, 8, 9, 9N, 10, 28, 28N, 30, 56, 73, 86, 365, and 374.
- Surveyed State Routes 190 and 374 and inventoried three OPRHP Parks (Macomb Reservation, Cumberland Bay, Point Au Roche) in the rooftop counties.

# 2008 Management

# Aquatic

- Hired a seasonal field coordinator, Steve Langdon, who implemented the second phase of the European frog-bit eradication project on the Grasse River near Lampson Falls. The infestation was less than one quarter acre in size. Thirty-six 5-gallon buckets of plant material were harvested in 2007; seven buckets were harvested in 2008.
- Collaborated with Paul Smith's College Adirondack Watershed Institute to begin the first of three years of Eurasian watermilfoil management in Follensby Clear Pond. Divers removed 479 bags of milfoil over 21 days (582 hours). The main infestation was near the canoe launch; satellite plants were harvested at the boat ramp and Spider Creek.
- Began planning for response to newly discovered Eurasian watermilfoil infestations in Paradox Lake.

## **Terrestrial**

- Managed 81 NYS DOT ROW sites park-wide. Over 7,200 pounds of gleaned invasive plant material was removed from the ROWs.
- 32 DOT ROW infestations previously managed in 2005/2006 show no signs of reinfestation.
- Implemented containment and suppression controls at 299 sites.
- Provided garlic mustard controls at numerous infestations totaling approximately 26
- Implemented manual management controls within the following NYS DEC Forest Preserve Units: William C. Whitney WA, Hoffman Notch WA, Blue Mountain WF, Ferris Lake WF, Moose River Plains WF, Black River WF, Shaker Mountain WF, St. Regis Canoe Area, Saranac Lakes WF, West Canada WA, Jessup River WF, Debar Mountain WF, and Lake George WF.
- Implemented 4 pilot projects included within the *Inter-Agency Guidelines For Implementing Best Management Practices for the Control of Terrestrial Invasive Plant Species on Forest Preserve Lands in the Adirondack Park*: Shaker Mountain WF common reed; St. Regis Canoe Area Tatarian honeysuckle; Vanderwhacker Mountain WF Japanese knotweed; Siamese Ponds WA yellow iris.

- Assisted NYS DEC Operations with controls at 26 infested Forest Preserve campgrounds. Results are compiled in the NYS DEC Bureau of Recreation Division of Operations Invasive Species Adaptive Management Guiding Document Adirondack Forest Preserve Campgrounds 2008 Report.
- Implemented stem injection controls at yellow iris infestations located at Vly Pond, Boquet River, East Branch Au Sable River, and Mt. Arab Lake.
- Implemented controls at 16 sites in coordination with APIPP's NYS Biodiversity Research Institute project.
- 30 volunteers accrued more than 332 stewardship hours.
- Assisted the members of Inlet's Regional Invasive Plant Program to control 6 Japanese knotweed infestations.

# **Distribution Analysis**

# Aquatic

- The number of "weed-free" lakes surveyed by APIPP volunteers is more than three times that of infested lakes (Figure 5).
- Fewer than half of the 53 infested waters in the Park have state boat launches:
  - o 65 DEC launches in the Park (approximately)
    - 23 waters infested
    - 5 waters with "watched species" variable-leaf watermilfoil
    - 30 waters surveyed by volunteers, no infestations observed
    - 7 waters still to be surveyed

#### **Terrestrial**

- Analysis of the jurisdictional distribution of terrestrial invasive plants:
  - DEC
    - 23 Forest Preserve units have one or more occurrences of invasive plants, and approximately 155 occurrences have been documented.
    - Of 37 land-based campgrounds, 24 have invasive plants.
  - DOT
    - 272 sites documented with jurisdictional ROW.
  - Private lands and complex jurisdictional "gray" areas
    - 173 sites documented.

# **Voucher specimens**

## Aquatic

Collected, identified, pressed, mounted, and labeled samples of invasive plants observed
in surveyed waterbodies. A voucher specimen verifies the presence of the invasive plant,
serves as a comparison for additional plant samples, and aids plant research activities. A
voucher specimen is needed only if invasive or suspicious plants are observed (Table 2).

#### **Terrestrial**

• The Terrestrial Invasive Species Project does not maintain an herbarium of voucher specimens by site.

# Data storage and Website development *Aquatic*

- Updated the Adirondack Park Aquatic Invasive Plant Project database. The database is a permanent record of the distribution and abundance of aquatic invasive plants in the Adirondack Park as well as management activities on individual waterbodies.
- The development of digitized lake maps for waterbodies surveyed in 2008 is still underway due to moving GIS project files from the Adirondack Park Agency to the Adirondack Chapter of The Nature Conservancy this winter.
- Updated data, maps, and text on the Adirondack Park Invasive Plant Program website, <a href="http://www.adkinvasives.com">http://www.adkinvasives.com</a>. The site provides Program information, invasive plant descriptions, images, and survey data and maps from the Adirondack region.

#### **Terrestrial**

- Updated the Adirondack Park Terrestrial Invasive Plant Project database.
- Collaborated with DOT to update the Park-wide, county, and USGS quad maps illustrating terrestrial invasive plant occurrences from 2007. 2008 data will be updated soon.

Below is a summary of APIPP's achievements in 2008 that included both the Terrestrial Invasives Project and the Aquatic Invasives Project.

# **APIPP** seasonal stewardship

- Offered three seasonal stewardship positions to Kelsey Englehard and Andrew Ross, Student Conservation Association Forest Preserve Stewards (DEC funded); and, Steve Langdon, Grasse River Steward (DEC funded).
- Collaborated with DEC Operation's Invasive Species Specialist Wayne Blanchard.
- Coordinated with DOT's two student interns.
- Collaborated with SUNY Plattsburgh and the Ausable River Association on an Environmental Protection Agency wetlands grant.
- Collaborated with the Boquet River Association on a Lake Champlain Basin Program grant for invasives mitigation and biocontrol.

# APIPP co-sponsored, or was invited to participate in, training sessions for the following audiences:

- New York State Guides Association
- Paul Smith's College Watershed Stewardship Program (WSP) stewards
- Volunteer Lake Steward Program (co-sponsored with the Paul Smith's College WSP)
- Adirondack Curriculum Project
- Lower Saranac Lake and Little Long Lake shoreowners
- NYS DOT Warrensburg Residency
- Rayonier, Inc. and Fountain Forestry
- Schroon Lake Milfoil Scout Program

# **2008 APIPP Education efforts**

- Prepared and distributed APIPP's 2007 Annual Report.
- Hosted two forest pest identification training sessions for partners.
- Helped to design signage designating infested waters.
- Helped to celebrate the 3rd Annual Adirondack Invasive Species Awareness Week. http://www.adkinvasives.com/InvasiveSpeciesAwarenessWeek.html
- Distributed two newsletters: <a href="http://adkinvasives.com/documents/ROOTSSpringSummer08\_000.pdf">http://adkinvasives.com/documents/ROOTSSpringSummer08\_000.pdf</a>
  <a href="http://adkinvasives.com/documents/ROOTSFallWinter08.pdf">http://adkinvasives.com/documents/ROOTSFallWinter08.pdf</a>
  <a href="http://adkinvasives.com/documents/ROOTSFallwinter08.pdf">http://adkinvasives.com/documents/ROOTSFallwi
- Collaborated with groups on invasive species awareness projects in the following ways:
  - o Participated in an invasive species video produced by the State University of New York at Plattsburgh.
  - o Reviewed the Boquet River Association's Japanese knotweed brochure.
  - o Participated in the 90 Miler by providing educational materials and conducting voluntary inspections at key portages.
  - Contributed invasive species information to a new publication in development "Adirondack Outdoors," a joint effort with DEC, Wildlife Conservation Society, Adirondack Mountain Club, and the Adirondack Forest Preserve Education Project.
  - o Generated ideas with members of the Garden Club of America for a "Partner for Plants" project in 2009.
- Reached nearly 1,200 individuals through presentations by APIPP staff.
- Distributed two APIPP brochures, one about the program and another about our target plants.
- Highlighted in numerous newspapers and newsletters, and featured in the following venues: I-87 Northbound High Peaks Welcome Center; Natural History Museum of the Adirondacks; and Adirondack Park Agency Visitor Interpretive Centers.
- Maintained website, <u>www.adkinvasives.com</u>.

### **2008 Outreach efforts**

- Worked with the Adirondack Park ANS Committee to develop an outreach strategy to businesses about didymo and aquatic invasive species.
- Contributed information to the NYS Invasive Species Council.
- Participated in 30 community events and workshops.
- Presented during the following conferences: Weeds Across Borders Biannual Conference, Northeast Natural History Conference, International Conference on Allelopathy, New York State Federation of Lakes Association Annual Meeting, Florida Exotic Pest Plant Council Annual Meeting, Northeast Aquatic Nuisance Species Panel Spring Meeting
- Received more than 100 "cold call" inquiries from the general public.
- Streamlined APIPP Email Distribution Lists to use a PRISM E-list Listserve, hosted by Cornell <a href="mailto:cce-apipp-l@cornell.edu">cce-apipp-l@cornell.edu</a>.

# **Regional Planning and Coordination**

- Worked with partners to plan for regional response teams.
- Contributed invasive plant inventory, management, and education recommendations to DEC Unit Management Plans.
- Initiated discussions about spread prevention and monitoring programs on Great Sacandaga Lake for spiny waterflea.
- Organized planning sessions with partners to outline outreach strategies to reach anglers, marinas, outfitters, and guides and to reach tournament organizers and participants.
- Held two principal partners meetings, seven aquatic committee meetings, and two terrestrial meetings (one aquatic and terrestrial meeting was held jointly).
- Chaired the Adirondack Park Aquatic Nuisance Species (ANS) Committee and assisted the implementation of the ANS Management Plan.
- Participated on the Lake Champlain Basin Program's ANS Subcommittee to continue development of a Rapid Response Plan for ANS in the Lake Champlain basin.
- Collaborated with other PRISMs (Partnerships for Regional Invasive Species Management) and Office of Invasive Species Coordination staff.
- Assisted DEC Bureau of Recreation-Division of Operations in creating its *Invasive* Species Adaptive Management Guiding Document Adirondack Forest Preserve Campgrounds 2008 Report.

## 2008 Research

- APIPP completed the second field season of its research project funded by the NYS Biodiversity Research Institute: Is restoration necessary following invasive plant removal? Assessments of three species in the Adirondack Park
- APIPP appreciates the research in the Park conducted by the following partner(s), which will deepen understanding of invasive species' biology, impacts and/or management.

**Paul Smith's College:** Daniel Kelting for Eurasian watermilfoil post-treatment monitoring on Upper Saranac Lake, supported by Upper Saranac Lake Foundation, Inc.

**Cornell University:** Jillian Standish Cohen, "Ecological impacts of an invasive plant, *Phalaris arundinacea*, along a nitrogen deposition gradient in the Adirondacks."

Please let us know if you or others are involved in invasive species research in the Adirondacks.

# 2008 Funding

- In 2008, APIPP was funded in part by the US Federal Highway Administration Scenic Byways Program (administered by the DOT and managed by the Adirondack North Country Association), Biodiversity Research Institute, the Adirondack Chapter of The Nature Conservancy, Department of Environmental Conservation, and several donors.
- APIPP helped secure \$43,134 in funding from the US Fish and Wildlife Service to continue co-implementation of the Adirondack Park Aquatic Nuisance Species Management Plan.

- APIPP participated in the 2008 Invasive Species Information Day in Albany to raise awareness about invasive species and priority programs.
- Together with Paul Smith's College Adirondack Watershed Institute, APIPP received funding from the DEC Aquatic Invasive Species Eradication Grant Program to eradicate Eurasian watermilfoil from Follensby Clear Pond using hand-harvesting techniques.

# **2008 Species Distribution Alerts**

Information provided by the Office of Invasive Species Coordination

### New Introductions into New York State

- Hydrilla, Orange County and Suffolk County
- Oakwilt, Schenectady

# Significant Range Expansions in New York State

- Spiny waterflea, had been known from Erie, Ontario and Oneida; new to Great Sacandaga Lake.
- Asian clam, had been known from western NY, Erie Canal; new to Champlain Canal Hudson River Drainage.
- Northern snakehead, had been known from NYC; new to Orange County.
- Mile-minute vine, had been known from Lower Hudson; new to Cattaraugus County.
- Chinese mitten crab, had been known from Lower Hudson; new to numerous tributaries below Troy Dam.
- Hemlock woolly adelgid, had been known from eastern NY and urban Rochester; new to central and western NY.

## Re-occurrence

• Asian long-horned beetle had been eradicated in 2007 on Staten Island but a new (small) population was found late-2008.

#### Elevated Threat

- Emerald ash borer, still not found in NY, but known from Ontario, Ohio, Pennsylvania; now found in Ouebec.
- Didymo, *Didymosphenia geminata*, was detected in multiple rivers in Vermont, some within Lake Champlain Basin drainage.

# 2008 Regional and Statewide Milestones

- Hired Tyler Smith to serve as the Aquatic Invasive Species Project Coordinator.
- Principal partners reissued their Cooperative Agreement.
- Celebrated APIPP's 10 year anniversary.
- Received a state contract for five years, pending available funds.
- APIPP was nominated as the PRISM representative to the NYS Invasive Species Advisory Committee.
- The FY08 State Environmental Protection Fund included \$5 million to implement the recommendations of the Invasive Species Task Force, though these funds were reduced to \$4 million due to fiscal constraints realized in fall 2008.
- DEC updated its baitfish regulations http://www.dec.ny.gov/docs/fish\_marine\_pdf/baitfishofny.pdf and updated its website

with more aquatic invasive species information <a href="http://www.dec.ny.gov/animals/50121.html">http://www.dec.ny.gov/animals/50121.html</a> and terrestrial invasive species information <a href="http://www.dec.ny.gov/animals/6986.html">http://www.dec.ny.gov/animals/6986.html</a>.

- Cornell Cooperative Extension and New York Sea Grant launched statewide invasive species information clearinghouse, <a href="http://nyis.info/">http://nyis.info/</a>.
- New York State Invasive Species Research Institute hired Coordinator and launched website, http://nyisri.org/.
- NY PRISMs continued to meet and develop regional initiatives.
- Work teams advanced the development of a 4-tier listing process, as described in the 2007 invasive species legislation.
- The DEC facilitated monthly statewide invasive species conference calls.
- The New York Invasive Species Council and Advisory Committee formed and met.
- The DEC maintained four staff in the Office of Invasive Species Coordination; and the Department of Agriculture and Markets maintained its invasive species coordinator.
- At the federal level, the US Forest Service produced a video on spread prevention methods for hunters and fishermen, http://www.fs.fed.us/invasivespecies/prevention/defending.shtml.

# 2009 Objectives

- Please see APIPP's 2009 Annual Workplan for a complete list of objectives and tasks. Highlights include:
  - Implementing several grant projects including the Scenic Byways invasive species community outreach project, phase III of the Grasse River European frogbit eradication project, phase II of the Eurasian watermilfoil eradication project in Follensby Clear Pond; and final reporting for the Biodiversity Research Institute post-treatment monitoring of three wetland invasive plants project.
  - Ramping up volunteer monitoring efforts and spread prevention programs.
  - Formalizing regional response plans, developing regional response teams, and prioritizing response workplans.
  - Identifying invasive species prevention zones to focus early detection and rapid response efforts.
  - Collaborating with the NYS invasive species database and mapping coordinator.

Please see attached document with tables, figures, and maps.

Thank you for your help to protect the Adirondack region from invasive species.

# Thank you to past and present cooperating partners!

More than 300 Volunteers!

Adirondack Association of Towns and Villages

Adirondack Cooperative Loon Program

Adirondack Council

Adirondack Lake Survey Corporation Adirondack Landowners' Association

Adirondack Mountain Club Adirondack Museum

Adirondack North Country Association

Adirondack Park Agency

Adirondack Park Agency Visitor Interpretive Centers Association for the Protection of the Adirondacks

Au Sable River Association Becket-Chimney Corners YMCA Boquet River Association

CAP-21

Clinton and Essex County Master Gardeners Cornell Cooperative Extension County Offices (Clinton, Essex, Hamilton, St. Lawrence and Warren)

Cornell University

Darrin Fresh Water Institute

Department of Agriculture and Markets Department of Environmental Conservation

Department of Transportation Essex County Garden Club Federal Highways Administration

Franklin County Network of Shoreline Associations

Garden Club of America

Great Sacandaga Lake Advisory Committee

Hamilton College

Hamilton County Soil and Water Conservation

District

Invasive Plant Council of NYS Lake Champlain Basin Program Lake Champlain Sea Grant Lake George Land Conservancy Lake George Park Commission Lake George Watershed Conference

The Lake Placid/Essex County Visitors Bureau

Massawepie Scout Camps

Natural History Museum of the Adirondacks

NYS Invasive Species Task Force

North Country School and Camp Treetops

Paul Smiths College Adirondack Watershed Institute

Regional Inlet Invasive Plant Program

Residents Committee to Protect the Adirondacks

Saranac Waterkeeper

Student Conservation Association

St. Regis Mohawk Tribe

SUNY ESF Wanakena, Newcomb

SUNY Plattsburgh The Nature Conservancy

Town of Inlet

Town of Webb, DPW Trout Unlimited Village of Saranac Lake

Warren County Soil and Water Conservation District

Wildlife Conservation Society

Shoreowner groups including, but not limited to

6<sup>th</sup> and 7<sup>th</sup> Lakes Association

Bellmont Mountain View Indian Lakes Foundation

Big Moose Property Owners' Association

Big Wolf Lake Association Blue Mountain Lake Association Brandreth Lake Association Brant Lake Association Brantingham Lake Association Chateaugay Lakes Association

Chazy Lake

Cranberry Lake Boat Club

East Caroga Lake Protective Association

East Schroon Lake Association Fulton Chain of Lakes Association Great Sacandaga Lake Association

**Gull Pond Association** 

Horseshoe Pond/Deer River Flow Association

Indian Lake Association Jones Pond Association Lake Colby Association Lake George Association

Lake Pleasant Sacandaga Association

Lake Luzerne

Little Long Lake Association Livingston Lake Association Long Lake Association Long Pond Association Loon Lake Association

Lower Saranac Lake Association

Minerva Lake

Mirror Lake Association

Mt Arab Eagle Crag Association Mt View and Indian Lakes Association

Osgood Pond Association Paradox Lake Association Piseco Lake Association Rainbow Lake Association

Raquette Lake Property Owners' Association

Schroon Lake Association

Shoreowners' Association of Lake Placid

Silver Lake Association

St. Regis Chain of Lakes Association Star Lake Protective Association

Spy Lake Association

Upper Saranac Lake Foundation Upper Saranac Lake Association West Caroga Lake Association

And More!

Table 1. APIPP lakes surveyed in 2008 and aquatic invasive plants observed. Alphabetized by county and town. Please refer to website for detailed plant survey reports for lakes listed below, and lakes surveyed to-date. <a href="http://www.adkinvasives.com">http://www.adkinvasives.com</a>

Lake Name	Town	County	Invasive Plant Found
Silver Lake	Black Brook	Clinton	None observed
Mill Pond	Elizabethtown	Essex	None observed
Murray Pond	Elizabethtown	Essex	None observed
Newport Pond	Elizabethtown	Essex	None observed
Russet Pond	Elizabethtown	Essex	None observed
Tanaher Pond	Elizabethtown	Essex	None observed
Harris Lake	Newcomb	Essex	None observed
Rich Lake	Newcomb	Essex	None observed
Lake Placid	North Elba	Essex	None observed
Bass Lake	North Hudson	Essex	None observed
Challis Pond	North Hudson	Essex	None observed
Proctor Pond	North Hudson	Essex	None observed
Crane Pond	Schroon	Essex	None observed
Gull Pond	Schroon	Essex	None observed
Oliver Pond	Schroon	Essex	None observed
Paradox Lake	Schroon	Essex	Eurasian
			watermilfoil
Schroon Lake	Schroon	Essex	Eurasian
			watermilfoil
Moose Pond	St. Armand	Essex	None observed
Clear Pond	Ticonderoga	Essex	None observed
Putnam Pond	Ticonderoga	Essex	Eurasian
			watermilfoil
Rock Pond	Ticonderoga	Essex	None observed
Indian Lake	Bellmont	Franklin	Eurasian
			watermilfoil
Mountain View Lake	Bellmont	Franklin	Eurasian
			watermilfoil
Barnum Pond	Brighton	Franklin	None observed
Church Pond	Brighton	Franklin	None observed
Mountain Pond	Brighton	Franklin	None observed
Clear Pond	Duane	Franklin	None observed
Eagle Pond	Duane	Franklin	None observed
Meacham Lake	Duane	Franklin	Eurasian
			watermilfoil
Buck Pond	Franklin	Franklin	None observed
Lake Kushaqua	Franklin	Franklin	None observed
Loon Lake	Franklin	Franklin	None observed

Lake Clear         Harrietstown         Franklin         None observed           Lake Flower         Harrietstown         Franklin         Eurasian watermilfoil           Stony Creek Ponds         Harrietstown         Franklin         None observed           East Pine Pond         Santa Clara         Franklin         None observed           Green Pond         Santa Clara         Franklin         None observed           Kit Fox Pond         Santa Clara         Franklin         None observed           Little Clear Pond         Santa Clara         Franklin         None observed           Little Long Pond         Santa Clara         Franklin         None observed           Middle Pond         Santa Clara         Franklin         None observed           Nellie Pond         Santa Clara         Franklin         None observed           Wellie Pond         Santa Clara         Franklin         None observed           Wellie Pond         Santa Clara         Franklin         None observed           Wellie Pond         Santa Clara         Franklin         None observed           Well Lake         Tupper Lake         Franklin         None observed           Gull Pond         Tupper Lake         Franklin         None observed	Rainbow Lake	Franklin	Franklin	None observed
Lake Flower				
Stony Creek Ponds			_	
Stony Creek Ponds				
East Pine Pond Santa Clara Franklin None observed Green Pond Santa Clara Franklin None observed Hoel Pond Santa Clara Franklin None observed Kit Fox Pond Santa Clara Franklin None observed Little Clear Pond Santa Clara Franklin None observed Little Long Pond Santa Clara Franklin None observed Little Long Pond Santa Clara Franklin None observed Middle Pond Santa Clara Franklin None observed Nellie Pond Santa Clara Franklin None observed Nellie Pond Santa Clara Franklin None observed Nellie Pond Santa Clara Franklin None observed Whey Pond Santa Clara Franklin None observed Whey Pond Santa Clara Franklin None observed Whey Pond Santa Clara Franklin None observed Gull Pond Tupper Lake Franklin None observed Gull Pond Tupper Lake Franklin None observed Gull Pond Tupper Lake Franklin None observed Spy Lake Arietta Hamilton None observed Oxbow Lake Arietta Hamilton None observed Spy Lake Arietta Hamilton None observed Spy Lake Arietta Hamilton None observed Indian Lake Hamilton None observed Indian Lake Hamilton None observed Indian Lake Indian Lake Hamilton None observed Lake Durant Indian Lake Hamilton None observed Indian	Stony Creek Ponds	Harrietstown	Franklin	
Green Pond Santa Clara Franklin None observed Kit Fox Pond Santa Clara Franklin None observed Little Clear Pond Santa Clara Franklin None observed Little Clear Pond Santa Clara Franklin None observed Little Long Pond Santa Clara Franklin None observed Middle Pond Santa Clara Franklin None observed Nellie Pond Santa Clara Franklin None observed Nelig Wolf Lake Tupper Lake Franklin None observed Oull Pond Tupper Lake Franklin None observed Sig Wolf Lake Tupper Lake Franklin None observed Oull Pond Tupper Lake Franklin None observed Oxbow Lake Arietta Hamilton None observed Oxbow Lake Arietta Hamilton None observed Spy Lake Arietta Hamilton None observed None Oxbow Lake Arietta Hamilton None observed Indian Lake Hamilton None observed Indian Lake Hamilton None observed Indian Lake Hamilton None observed Indian Lake Hamilton None observed Indian Lake Indian Lake Indian Lake Indian I	3	+		
None observed		+		
Little Clear Pond Santa Clara Franklin None observed Little Long Pond Santa Clara Franklin None observed Middle Pond Santa Clara Franklin None observed Nellie Pond Santa Clara Franklin None observed Rollins Pond Santa Clara Franklin None observed Rollins Pond Santa Clara Franklin None observed Whey Pond Santa Clara Franklin None observed Big Wolf Lake Tupper Lake Franklin None observed Gull Pond Tupper Lake Franklin None observed Gull Pond Tupper Lake Franklin None observed Ganada Lake Caroga Fulton None observed Forked Lake Arietta Hamilton None observed Oxbow Lake Arietta Hamilton None observed Blue Mt. Lake Hamilton None observed Indian Lake Hamilton None observed Indian Lake Indian Lake Hamilton None observed Indian Lake Indian Lake Hamilton None observed Lake Abanakee Indian Lake Hamilton None observed Lake Durant Indian Lake Hamilton None observed Indian Lake Hamilton None observed Indian Lake Hamilton None observed Lake Durant Indian Lake Hamilton None observed Indian Lake Hamilton None observed Lake Durant Indian Lake Hamilton None observed Indian Lake Hamilton None observed Lake Ploant Indian Lake Hamilton None observed Lake Ploant Indian Lake Hamilton None observed Indian Lake Hamilton None observed Lake Ploant Indian Lake Hamilton None observed Brown Tract Pond (Upper) Inlet Hamilton None observed Eighth Lake Inlet Hamilton None observed Lake Pleasant Lake Pleasant Hamilton None observed Lake Pleasant Lake Pleasant Hamilton None observed Lake Pleasant Hamilton None observed Lake Pleasant Hamilton None observed Sacandaga Lake Lake Pleasant Hamilton None observed Hamilton None observed Hamilton None observed Lake Eaton Long Lake Hamilton None observed Long Lake Hamilton None observed Lake Eaton Long Lake Hamilton None observed Lake Eaton Long Lake Hamilton None observed Limekiln Lake Long Lake Hamilton None observed Limekiln Lake	Hoel Pond		Franklin	
Little Long Pond Santa Clara Franklin None observed Middle Pond Santa Clara Franklin None observed Nellie Pond Santa Clara Franklin None observed Rollins Pond Santa Clara Franklin None observed Rollins Pond Santa Clara Franklin None observed Rollins Pond Santa Clara Franklin None observed Big Wolf Lake Tupper Lake Franklin None observed Big Wolf Lake Tupper Lake Franklin None observed Gull Pond Tupper Lake Franklin None observed Canada Lake Caroga Fulton None observed Canada Lake Arietta Hamilton None observed Oxbow Lake Arietta Hamilton None observed Spy Lake Arietta Hamilton None observed Blue Mt. Lake Blue Mt. Lake Hamilton None observed Indian Lake Hamilton None observed Indian Lake Hamilton None observed Indian Lake Hamilton None observed Lake Abanakee Indian Lake Hamilton None observed Indian Lake Hamilton None observed Rock Pond Indian Lake Hamilton None observed Rock Pond Indian Lake Hamilton None observed Brown Tract Pond (Lower) Inlet Hamilton None observed Brown Tract Pond (Lower) Inlet Hamilton None observed Eighth Lake Inlet Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Lake Pleasant Lake Hamilton None observed Lake Pleasant Hamilton None observed Lake Eaton Long Lake Hamilton None observed Lake Eaton Long Lake Hamilton None observed Limekiln Lake Long Lake Hamilton None observed	Kit Fox Pond	Santa Clara	Franklin	None observed
Middle Pond Santa Clara Franklin None observed Nellie Pond Santa Clara Franklin None observed Rollins Pond Santa Clara Franklin None observed Whey Pond Santa Clara Franklin None observed Big Wolf Lake Tupper Lake Franklin None observed Gull Pond Tupper Lake Franklin None observed Canada Lake Caroga Fulton None observed Oxbow Lake Arietta Hamilton None observed Spy Lake Arietta Hamilton None observed Blue Mt. Lake Blue Mt. Lake Hamilton None observed Indian Lake Indian Lake Hamilton None observed Lake Abanakee Indian Lake Hamilton None observed Lake Durant Indian Lake Hamilton None observed Rock Pond Indian Lake Hamilton None observed Brown Tract Pond (Lower) Inlet Hamilton None observed Brown Tract Pond (Upper) Inlet Hamilton None observed Lake Pleasant Lake Pleasant Hamilton None observed Lake Eaton Long Lake Hamilton None observed Lake Eaton Long Lake Hamilton None observed Lake Lake Please Hamilton None observed Lake Lake Pleasant Hamilton None observed Lake Eaton Long Lake Hamilton None observed Lake Lake Please Hamilton None observed Lake Lake Please Hamilton None observed	Little Clear Pond	Santa Clara	Franklin	None observed
Nellie Pond   Santa Clara   Franklin   None observed	Little Long Pond	Santa Clara	Franklin	None observed
Rollins Pond Santa Clara Franklin None observed Whey Pond Santa Clara Franklin None observed Big Wolf Lake Tupper Lake Franklin None observed Gull Pond Tupper Lake Franklin None observed Canada Lake Caroga Fulton None observed Canada Lake Arietta Hamilton None observed Oxbow Lake Arietta Hamilton None observed Spy Lake Arietta Hamilton None observed Blue Mt. Lake Blue Mt. Lake Hamilton None observed Eagle Lake Indian Lake Hamilton None observed Indian Lake Indian Lake Hamilton None observed Lake Abanakee Indian Lake Hamilton None observed Lake Durant Indian Lake Hamilton None observed Rock Pond Indian Lake Hamilton None observed Brown Tract Pond (Lower) Inlet Hamilton None observed Eight Lake Inlet Hamilton None observed Eight Lake Inlet Hamilton None observed Erown Tract Pond (Upper) Inlet Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Eake Pleasant Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Lake Pleasant Hamilton None observed Eake Lake Pleasant Hamilton None observed Eake Eaton Long Lake Hamilton None observed Eake Eaton Long Lake Hamilton None observed Eake Eaton Long Lake Hamilton None observed Eake Long Lake Hamilton None observed Eagamore Lake Long Lake Hamilton None observed Eake Long Lake Hamilton None observed Eake Long Lake Hamilton None observed Eake Lake Pleace Hamilton None observed Eake Lake Pleace Hamilton None observed Eake Lake Eaton Long Lake Hamilton None observed Eake Long Lake Hamilton None observed		Santa Clara	Franklin	None observed
Whey Pond Santa Clara Franklin None observed Big Wolf Lake Tupper Lake Franklin None observed Gull Pond Tupper Lake Franklin None observed Canada Lake Caroga Fulton None observed Forked Lake Arietta Hamilton None observed Oxbow Lake Arietta Hamilton None observed Spy Lake Arietta Hamilton None observed Blue Mt. Lake Blue Mt. Lake Hamilton None observed Indian Lake Indian Lake Hamilton None observed Lake Abanakee Indian Lake Hamilton None observed Lake Durant Indian Lake Hamilton None observed Rock Pond Indian Lake Hamilton None observed Brown Tract Pond (Lower) Inlet Hamilton None observed Eight Lake Inlet Hamilton None observed Brown Tract Pond (Upper) Inlet Hamilton None observed Eight Lake Inlet Hamilton None observed Eight Lake Lake Pleasant Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Each Lake Eaton Long Lake Hamilton None observed Each Lake Long Lake Hamilton None observed Each Lakellace Long Lake	Nellie Pond	Santa Clara	Franklin	None observed
Big Wolf Lake         Tupper Lake         Franklin         None observed           Gull Pond         Tupper Lake         Franklin         None observed           Canada Lake         Caroga         Fulton         None observed           Forked Lake         Arietta         Hamilton         None observed           Oxbow Lake         Arietta         Hamilton         None observed           Spy Lake         Arietta         Hamilton         None observed           Blue Mt. Lake         Hamilton         None observed           Blue Mt. Lake         Hamilton         None observed           Indian Lake         Hamilton         None observed           Indian Lake         Hamilton         None observed           Lake Abanakee         Indian Lake         Hamilton         None observed           Lake Abanakee         Indian Lake         Hamilton         None observed           Lake Durant         Indian Lake         Hamilton         None observed           Rock Pond         Indian Lake         Hamilton         None observed           Brown Tract Pond (Lower)         Inlet         Hamilton         None observed           Brown Tract Pond (Lower)         Inlet         Hamilton         None observed <t< td=""><td>Rollins Pond</td><td>Santa Clara</td><td>Franklin</td><td>None observed</td></t<>	Rollins Pond	Santa Clara	Franklin	None observed
Gull Pond Tupper Lake Franklin None observed Canada Lake Caroga Fulton None observed Forked Lake Arietta Hamilton None observed Oxbow Lake Arietta Hamilton None observed Spy Lake Arietta Hamilton None observed Blue Mt. Lake Blue Mt. Lake Hamilton None observed Eagle Lake Indian Lake Hamilton None observed Lake Abanakee Indian Lake Hamilton None observed Lake Durant Indian Lake Hamilton None observed Rock Pond Indian Lake Hamilton None observed Brown Tract Pond (Lower) Inlet Hamilton None observed Brown Tract Pond (Upper) Inlet Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Lake Pleasant Lake Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Lake Eaton Long Lake Hamilton None observed Lake Eaton Long Lake Hamilton None observed Lake Eaton Long Lake Hamilton None observed	Whey Pond	Santa Clara	Franklin	None observed
Canada Lake Caroga Fulton None observed Forked Lake Arietta Hamilton None observed Oxbow Lake Arietta Hamilton None observed Spy Lake Arietta Hamilton None observed Blue Mt. Lake Blue Mt. Lake Hamilton None observed Eagle Lake Indian Lake Hamilton None observed Indian Lake Indian Lake Hamilton None observed Lake Abanakee Indian Lake Hamilton None observed Lake Durant Indian Lake Hamilton None observed Rock Pond Indian Lake Hamilton None observed Brown Tract Pond (Lower) Inlet Hamilton None observed Brown Tract Pond (Upper) Inlet Hamilton None observed Eighth Lake Inlet Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Lake Pleasant Lake Pleasant Hamilton None observed Lake Pleasant Lake Pleasant Hamilton None observed Lake Eaton Long Lake Hamilton None observed Lake Eaton Long Lake Hamilton None observed Round Lake Long Lake Hamilton None observed Lake Long Lake Hamilton None observed Round Lake Long Lake Hamilton None observed Round Lake Long Lake Hamilton None observed Lake Lake Piseco Hamilton None observed Limekiln Lake Piseco Hamilton None observed	Big Wolf Lake	Tupper Lake	Franklin	None observed
Forked Lake Arietta Hamilton None observed Oxbow Lake Arietta Hamilton None observed Spy Lake Arietta Hamilton None observed Blue Mt. Lake Blue Mt. Lake Hamilton None observed Eagle Lake Indian Lake Hamilton None observed Indian Lake Indian Lake Hamilton None observed Lake Abanakee Indian Lake Hamilton None observed Lake Durant Indian Lake Hamilton None observed Rock Pond Indian Lake Hamilton None observed Brown Tract Pond (Lower) Inlet Hamilton None observed Brown Tract Pond (Upper) Inlet Hamilton None observed Eighth Lake Inlet Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Lake Pleasant Lake Pleasant Hamilton None observed Lake Pleasant Lake Pleasant Hamilton None observed Lake Lake Pleasant Hamilton None observed Lake Lake Pleasant Hamilton None observed Lake Eaton Long Lake Hamilton None observed Lake Eaton Long Lake Hamilton None observed Round Lake Long Lake Hamilton None observed Round Lake Long Lake Hamilton None observed Lake Lake Pleace Hamilton None observed Round Lake Long Lake Hamilton None observed	Gull Pond	Tupper Lake	Franklin	None observed
Oxbow LakeAriettaHamiltonNone observedSpy LakeAriettaHamiltonNone observedBlue Mt. LakeBlue Mt. LakeHamiltonNone observedEagle LakeIndian LakeHamiltonNone observedIndian LakeIndian LakeHamiltonNone observedLake AbanakeeIndian LakeHamiltonNone observedLake DurantIndian LakeHamiltonNone observedRock PondIndian LakeHamiltonVariable-leaf milfoil*Utowana LakeIndian LakeHamiltonNone observedBrown Tract Pond (Lower)InletHamiltonNone observedBrown Tract Pond (Upper)InletHamiltonNone observedEighth LakeInletHamiltonNone observedEcho LakeLake PleasantHamiltonNone observedLake PleasantLake PleasantHamiltonNone observedLewey LakeLake PleasantHamiltonNone observedLewey LakeLake PleasantHamiltonNone observedWhitaker LakeLake PleasantHamiltonNone observedBrandreth LakeLong LakeHamiltonNone observedLake EatonLong LakeHamiltonNone observedLake EatonLong LakeHamiltonNone observedRound LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observed <td>Canada Lake</td> <td>Caroga</td> <td>Fulton</td> <td>None observed</td>	Canada Lake	Caroga	Fulton	None observed
Spy LakeAriettaHamiltonNone observedBlue Mt. LakeBlue Mt. LakeHamiltonNone observedEagle LakeIndian LakeHamiltonNone observedIndian LakeIndian LakeHamiltonNone observedLake AbanakeeIndian LakeHamiltonNone observedLake DurantIndian LakeHamiltonNone observedRock PondIndian LakeHamiltonVariable-leaf milfoil*Utowana LakeIndian LakeHamiltonNone observedBrown Tract Pond (Lower)InletHamiltonNone observedBrown Tract Pond (Upper)InletHamiltonNone observedEighth LakeInletHamiltonNone observedEcho LakeLake PleasantHamiltonNone observedLake PleasantHamiltonNone observedLewey LakeLake PleasantHamiltonNone observedSacandaga LakeLake PleasantHamiltonNone observedWhitaker LakeLake PleasantHamiltonNone observedBrandreth LakeLong LakeHamiltonNone observedLake EatonLong LakeHamiltonNone observedLong LakeLong LakeHamiltonNone observedRound LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed	Forked Lake	Arietta	Hamilton	None observed
Blue Mt. Lake Blue Mt. Lake Hamilton None observed  Eagle Lake Indian Lake Hamilton None observed  Indian Lake Indian Lake Hamilton None observed  Lake Abanakee Indian Lake Hamilton None observed  Lake Durant Indian Lake Hamilton None observed  Rock Pond Indian Lake Hamilton Variable-leaf milfoil*  Utowana Lake Indian Lake Hamilton None observed  Brown Tract Pond (Lower) Inlet Hamilton None observed  Brown Tract Pond (Upper) Inlet Hamilton None observed  Eighth Lake Inlet Hamilton None observed  Echo Lake Lake Pleasant Hamilton None observed  Lake Eaton Long Lake Hamilton None observed  Lake Eaton Long Lake Hamilton None observed  Round Lake Long Lake Hamilton None observed  Round Lake Long Lake Hamilton None observed  Piseco Lake Piseco Hamilton None observed  Limekiln Lake Ohio Herkimer None observed	Oxbow Lake	Arietta	Hamilton	None observed
Blue Mt. Lake  Blue Mt. Lake  Indian Lake Indian Indi	Spy Lake	Arietta	Hamilton	None observed
Indian Lake Indian Lake Hamilton None observed Lake Abanakee Indian Lake Hamilton None observed Rock Pond Indian Lake Hamilton Variable-leaf milfoil*  Utowana Lake Indian Lake Hamilton None observed Brown Tract Pond (Lower) Inlet Hamilton None observed Brown Tract Pond (Upper) Inlet Hamilton None observed Eighth Lake Inlet Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Lake Pleasant Lake Pleasant Hamilton None observed Lewey Lake Lake Pleasant Hamilton None observed Sacandaga Lake Lake Pleasant Hamilton None observed Whitaker Lake Lake Pleasant Hamilton None observed Brandreth Lake Long Lake Hamilton None observed Lake Eaton Long Lake Hamilton None observed Long Lake Long Lake Hamilton None observed Round Lake Piseco Hamilton None observed Limekiln Lake Ohio Herkimer None observed		Blue Mt. Lake	Hamilton	None observed
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Lake AbanakeeIndian LakeHamiltonNone observedLake DurantIndian LakeHamiltonNone observedRock PondIndian LakeHamiltonVariable-leaf milfoil*Utowana LakeIndian LakeHamiltonNone observedBrown Tract Pond (Lower)InletHamiltonNone observedBrown Tract Pond (Upper)InletHamiltonNone observedEighth LakeInletHamiltonNone observedEcho LakeLake PleasantHamiltonNone observedLake PleasantHamiltonNone observedLewey LakeLake PleasantHamiltonNone observedSacandaga LakeLake PleasantHamiltonNone observedWhitaker LakeLake PleasantHamiltonNone observedBrandreth LakeLong LakeHamiltonNone observedLong LakeHamiltonNone observedLong LakeHamiltonNone observedRound LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed		Indian Lake	Hamilton	None observed
Rock PondIndian LakeHamiltonVariable-leaf milfoil*Utowana LakeIndian LakeHamiltonNone observedBrown Tract Pond (Lower)InletHamiltonNone observedBrown Tract Pond (Upper)InletHamiltonNone observedEighth LakeInletHamiltonNone observedEcho LakeLake PleasantHamiltonNone observedLake PleasantLake PleasantHamiltonNone observedLewey LakeLake PleasantHamiltonNone observedSacandaga LakeLake PleasantHamiltonNone observedWhitaker LakeLake PleasantHamiltonNone observedBrandreth LakeLong LakeHamiltonNone observedLong LakeHamiltonNone observedLong LakeHamiltonNone observedRound LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed	Lake Abanakee	Indian Lake	Hamilton	None observed
Utowana Lake Indian Lake Hamilton None observed Brown Tract Pond (Lower) Inlet Hamilton None observed Brown Tract Pond (Upper) Inlet Hamilton None observed Eighth Lake Inlet Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Lake Pleasant Hamilton None observed Lake Pleasant Hamilton None observed Lewey Lake Lake Pleasant Hamilton None observed Sacandaga Lake Lake Pleasant Hamilton None observed Whitaker Lake Lake Pleasant Hamilton None observed Brandreth Lake Long Lake Hamilton None observed Lake Eaton Long Lake Hamilton None observed Long Lake Hamilton None observed Long Lake Hamilton None observed Round Lake Piseco Hamilton None observed Limekiln Lake Ohio Herkimer None observed	Lake Durant	Indian Lake	Hamilton	None observed
Utowana LakeIndian LakeHamiltonNone observedBrown Tract Pond (Lower)InletHamiltonNone observedBrown Tract Pond (Upper)InletHamiltonNone observedEighth LakeInletHamiltonNone observedEcho LakeLake PleasantHamiltonNone observedLake PleasantLake PleasantHamiltonNone observedLewey LakeLake PleasantHamiltonNone observedSacandaga LakeLake PleasantHamiltonNone observedWhitaker LakeLake PleasantHamiltonNone observedBrandreth LakeLong LakeHamiltonNone observedLake EatonLong LakeHamiltonNone observedLong LakeLong LakeHamiltonNone observedRound LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed	Rock Pond	Indian Lake	Hamilton	Variable-leaf
Brown Tract Pond (Lower) Inlet Hamilton None observed Brown Tract Pond (Upper) Inlet Hamilton None observed Eighth Lake Inlet Hamilton None observed Echo Lake Lake Pleasant Hamilton None observed Lake Pleasant Lake Pleasant Hamilton None observed Lewey Lake Lake Pleasant Hamilton None observed Sacandaga Lake Lake Pleasant Hamilton None observed Whitaker Lake Lake Pleasant Hamilton None observed Whitaker Lake Long Lake Hamilton None observed Lake Eaton Long Lake Hamilton None observed Long Lake Long Lake Hamilton None observed Long Lake Hamilton None observed Round Lake Long Lake Hamilton None observed Round Lake Long Lake Hamilton None observed Fiseco Lake Piseco Hamilton None observed Limekiln Lake Ohio Herkimer None observed				milfoil*
Brown Tract Pond (Upper)  Eighth Lake  Inlet  Hamilton  None observed  Echo Lake  Lake Pleasant  Lake Pleasant  Hamilton  None observed  Lake Pleasant  Lake Pleasant  Lake Pleasant  Hamilton  None observed  Lewey Lake  Lake Pleasant  Hamilton  None observed  Sacandaga Lake  Lake Pleasant  Hamilton  None observed  Whitaker Lake  Lake Pleasant  Hamilton  None observed  Brandreth Lake  Long Lake  Hamilton  None observed  Long Lake  Long Lake  Hamilton  None observed  Long Lake  Hamilton  None observed  Long Lake  Hamilton  None observed  Round Lake  Long Lake  Hamilton  None observed  Round Lake  Long Lake  Hamilton  None observed  Hamilton  Herkimer  None observed	Utowana Lake	Indian Lake	Hamilton	None observed
Eighth Lake Inlet Hamilton None observed  Echo Lake Lake Pleasant Hamilton None observed  Lake Pleasant Hamilton None observed  Lake Pleasant Hamilton None observed  Lewey Lake Lake Pleasant Hamilton None observed  Sacandaga Lake Lake Pleasant Hamilton None observed  Whitaker Lake Lake Pleasant Hamilton None observed  Brandreth Lake Long Lake Hamilton None observed  Lake Eaton Long Lake Hamilton None observed  Long Lake Hamilton None observed  Long Lake Hamilton None observed  Round Lake Long Lake Hamilton None observed  Sagamore Lake Long Lake Hamilton None observed  Piseco Lake Piseco Hamilton None observed  Limekiln Lake Ohio Herkimer None observed	Brown Tract Pond (Lower)	Inlet	Hamilton	None observed
Echo LakeLake PleasantHamiltonNone observedLake PleasantLake PleasantHamiltonNone observedLewey LakeLake PleasantHamiltonNone observedSacandaga LakeLake PleasantHamiltonNone observedWhitaker LakeLake PleasantHamiltonNone observedBrandreth LakeLong LakeHamiltonNone observedLake EatonLong LakeHamiltonNone observedLong LakeLong LakeHamiltonNone observedRound LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed	Brown Tract Pond (Upper)	Inlet	Hamilton	None observed
Lake PleasantHamiltonNone observedLewey LakeLake PleasantHamiltonNone observedSacandaga LakeLake PleasantHamiltonNone observedWhitaker LakeLake PleasantHamiltonNone observedBrandreth LakeLong LakeHamiltonNone observedLake EatonLong LakeHamiltonNone observedLong LakeLong LakeHamiltonNone observedRound LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed	Eighth Lake	Inlet	Hamilton	None observed
Lewey LakeLake PleasantHamiltonNone observedSacandaga LakeLake PleasantHamiltonNone observedWhitaker LakeLake PleasantHamiltonNone observedBrandreth LakeLong LakeHamiltonNone observedLake EatonLong LakeHamiltonNone observedLong LakeLong LakeHamiltonNone observedRound LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed	Echo Lake	Lake Pleasant	Hamilton	None observed
Sacandaga LakeLake PleasantHamiltonNone observedWhitaker LakeLake PleasantHamiltonNone observedBrandreth LakeLong LakeHamiltonNone observedLake EatonLong LakeHamiltonNone observedLong LakeLong LakeHamiltonNone observedRound LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed	Lake Pleasant	Lake Pleasant	Hamilton	None observed
Whitaker LakeLake PleasantHamiltonNone observedBrandreth LakeLong LakeHamiltonNone observedLake EatonLong LakeHamiltonNone observedLong LakeLong LakeHamiltonNone observedRound LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed	Lewey Lake	Lake Pleasant	Hamilton	None observed
Brandreth Lake  Long Lake  Long Lake  Hamilton  None observed  Long Lake  Long Lake  Hamilton  None observed  Long Lake  Hamilton  None observed  Round Lake  Long Lake  Hamilton  None observed  Hamilton  None observed  Long Lake  Hamilton  None observed  Piseco Lake  Piseco  Hamilton  None observed  Hamilton  None observed  Hamilton  None observed  Hamilton  Herkimer  None observed	Sacandaga Lake	Lake Pleasant	Hamilton	None observed
Brandreth Lake Long Lake Hamilton None observed Long Lake Long Lake Hamilton None observed Long Lake Long Lake Hamilton None observed Round Lake Long Lake Hamilton None observed Sagamore Lake Long Lake Hamilton None observed Piseco Lake Piseco Hamilton None observed Hamilton None observed Limekiln Lake Ohio Herkimer None observed		Lake Pleasant	Hamilton	None observed
Lake EatonLong LakeHamiltonNone observedLong LakeLong LakeHamiltonNone observedRound LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed	Brandreth Lake	Long Lake	Hamilton	
Long LakeLong LakeHamiltonNone observedRound LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed			Hamilton	None observed
Round LakeLong LakeHamiltonNone observedSagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed	Long Lake		Hamilton	
Sagamore LakeLong LakeHamiltonNone observedPiseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed			Hamilton	None observed
Piseco LakePisecoHamiltonNone observedLimekiln LakeOhioHerkimerNone observed	Sagamore Lake		Hamilton	None observed
Limekiln Lake Ohio Herkimer None observed				
	Brantingham Lake	Brantingham	Lewis	None observed

Chases Lake	Watson	Lewis	None observed
Little Long Lake	Woodgate	Oneida	None observed
Cranberry Lake	Clifton	St. Lawrence	Variable-leaf
			milfoil*
Star Lake	Fine	St. Lawrence	None observed
Joe Indian Pond	Parishville	St. Lawrence	None observed
Eagle Crag Lake	Piercefield	St. Lawrence	None observed
Horseshoe Lake	Piercefield	St. Lawrence	None observed
Mt. Arab Lake	Piercefield	St. Lawrence	None observed
Chateimac Lake	Johnsburg	Warren	None observed
Crane Mountain Pond	Johnsburg	Warren	None observed
Garnet Lake	Johnsburg	Warren	None observed
Oven Mountain Pond	Johnsburg	Warren	None observed
Thirteenth Lake	Johnsburg	Warren	None observed
Fourth Lake	Lake Luzerne	Warren	None observed
Livingston Lake	Stony Creek	Warren	None observed

<sup>\*</sup> Myriophyllum heterophyllum, variable-leaf watermilfoil, was observed during plant surveys in the following lakes: Cranberry Lake, Newton Falls Impoundment (Chaumont Pond), Jenkins Bay of Tupper Lake, Raquette Lake, Long Lake, Piercefield Flow, First and Fourth Lakes of the Fulton Chain, Lake Flower, Lake Durant, and Rock Pond. Though native to the U.S., Myriophyllum heterophyllum is considered an exotic invasive plant in New England. It is included as a 'watched species' in the Adirondack Park.

Table 2. APIPP lakes with voucher specimens on file with the Adirondack Park Invasive Plant Program.

Lake Name	Voucher specimen
7 <sup>th</sup> Lake Fulton Chain	Eurasian watermilfoil
Brant Lake	Eurasian watermilfoil
Chazy Lake	Eurasian watermilfoil
Copperas Pond	Eurasian watermilfoil
Cranberry Lake	Variable-leaf watermilfoil
Deer River Flow	Eurasian watermilfoil
East Caroga Lake	Eurasian watermilfoil
Fifth Lake, Fulton Chain	Eurasian watermilfoil
Fish Creek	Eurasian watermilfoil
Fish Creek Pond	Eurasian watermilfoil
Floodwood Pond	Eurasian watermilfoil
Follensby Clear Pond	Eurasian watermilfoil
Franklin Falls Pond	Eurasian watermilfoil,
	curlyleaf pondweed
Horseshoe Pond, Duane	Eurasian watermilfoil
Grasse River	European frog-bit
Kiwassa Lake	Eurasian watermilfoil
Lake Durant	Variable-leaf watermilfoil
Lake Flower	Eurasian watermilfoil,
	curlyleaf pondweed
Little Square Pond	Eurasian watermilfoil
Long Lake, Long Lake	Variable-leaf watermilfoil
Long Pond, Willsboro	Eurasian watermilfoil
Meacham Lake	Eurasian watermilfoil
Minerva Lake	Eurasian watermilfoil
Putnam Pond	Eurasian watermilfoil
Raquette Lake	Variable-leaf watermilfoil
Sixth Lake of Fulton Chain	Eurasian watermilfoil
Taylor Pond	Eurasian watermilfoil
Union Falls Pond	Eurasian watermilfoil

Figure 1. Participants at training sessions for aquatic plant identification and monitoring techniques, 2002-2008.

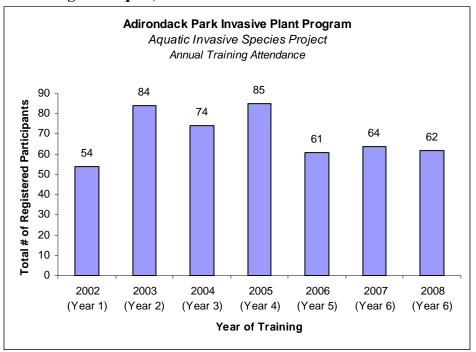


Figure 2. Number of lakes monitored and APIPP volunteers, 2002-2008.

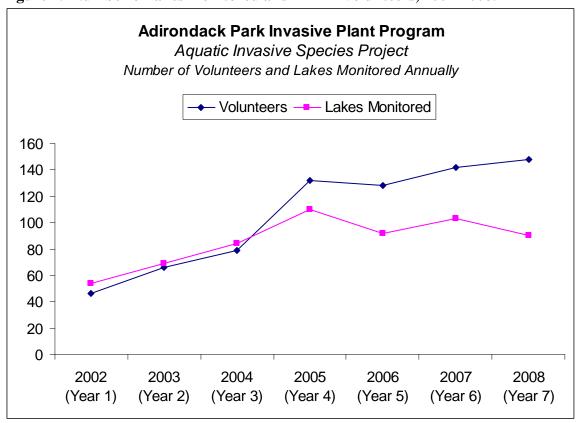


Figure 3. Distribution of lakes monitored by APIPP volunteers, 2002-2008.

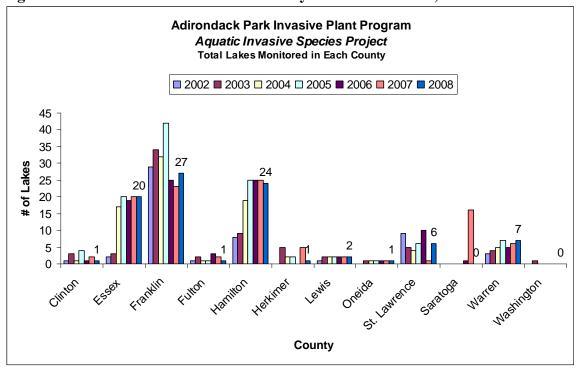


Figure 4. Number of new and returning volunteers by year.

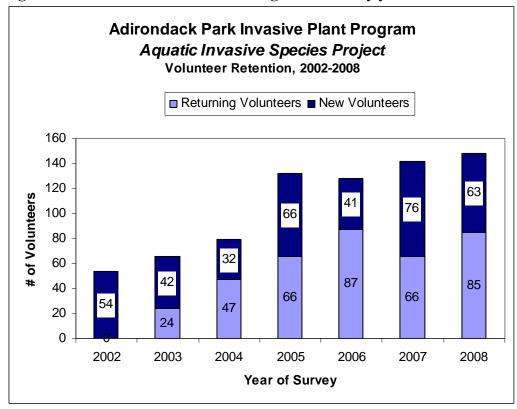
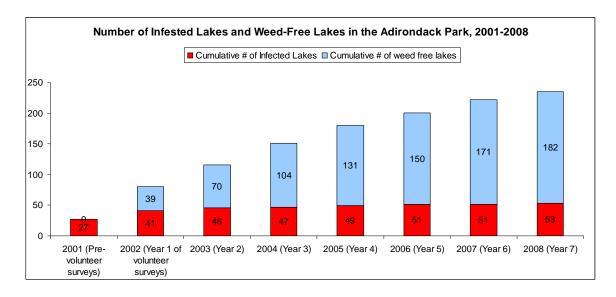
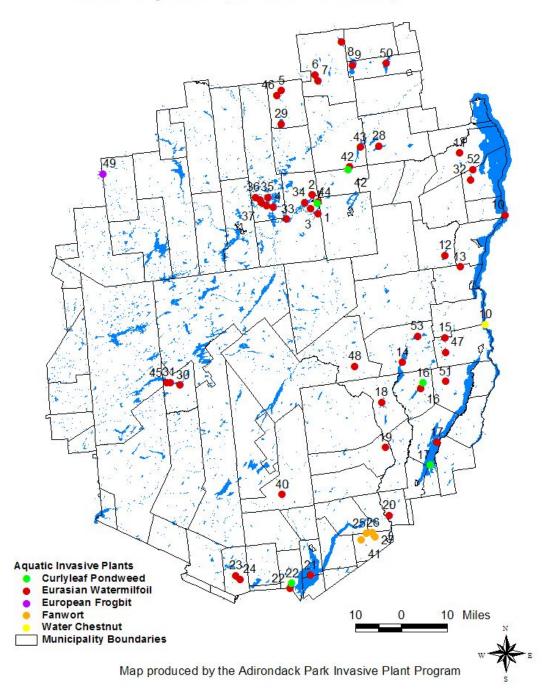


Figure 5. Cumulative number of infested lakes and lakes monitored by APIPP volunteers where no invasive plants were detected.



Map 1. The list of lake names corresponding to the numbers below is attached.

# Distribution of Adirondack Lakes with Aquatic Invasive Plants, 2008



Map 1
Adirondack Park Waterbodies Reported with Aquatic Invasive Plants

	A
1	Oseetah Lake
2	Lake Colby
3	Kiwassa Lake
4	Upper Saranac Lake
	Horseshoe Pond
6	Indian Lake
7	Mountain View Lake
8	Lower Chateaugay Lake
9	Upper Chateaugay Lake
	Lake Champlain
11	Augur Lake Augur Lake
12	Lincoln Pond
13	Bartlett Pond
14	Schroon Lake
15	Eagle Lake
16	Brant Lake
17	Lake George
18	Loon Lake
19	Daggett Lake
	Lake Luzerne
21	Great Sacandaga Lake
22	Mayfield Lake
23	West Caroga Lake
	East Caroga Lake
	Effner Lake
	Jenny Lake
	Hunt Lake
	Taylor Pond
	Meacham Lake
	Seventh Lake
	Sixth Lake
	Long Pond
	Middle Saranac Lake
	Lower Saranac Lake
	Follensby Clear Pond
	Floodwood Pond
	Little Square Pond
	Fish Creek Pond
	Copperas Pond
	Lake Algonquin
	Mill Pond
	Franklin Falls
	Union Falls Flow
	Lake Flower
	Fifth Lake
	Deer River Flow
	Putnam Pond Minory of Lake
	Minerva Lake
	Grasse River at Lampson Falls
	Chazy Lake
51	North Pond

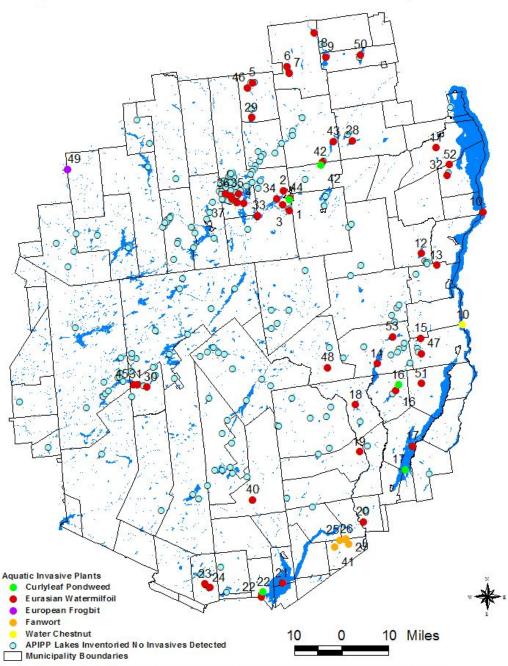
Map prepared by APIPP. Aquatic plant reports provided by a variety of plant monitoring programs and cited in the Darrin Fresh Water Institute Annual Reports.

# Map 1 Adirondack Park Waterbodies Reported with Aquatic Invasive Plants

	A
52	Highlands Ledge Pond
53	Paradox Lake

Map prepared by APIPP. Aquatic plant reports provided by a variety of plant monitoring programs and cited in the Darrin Fresh Water Institute Annual Reports.

# Distribution of Lakes Monitored and Aquatic Invasive Plants in the Adirondack Park, 2008



Map produced by the Adirondack Park Invasive Plant Program