

Adirondack Park Invasive Plant Program

Aquatic Invasive Plant Project **Regional Coordinated Monitoring** **2003 Report**

Project Goals

- *Provide coordination and leadership for a "community-based" volunteer monitoring program to collect information on the location and spread of aquatic invasive plants in the Adirondack Park.*
- *Develop a central database of the current aquatic invasive plant distributions in the Adirondack Park.*
- *Disseminate information to promote an understanding of invasive species impacts and their implications for aquatic resource protection.*

Distribution Summary

- In 2001, 27 lakes were reported with aquatic invasive plants; 41 in 2002; and currently 46 lakes are reported with aquatic invasive plants in the Adirondack Park (Map 1). Since 2001, 19 lakes have been added to the list, and of those, APIPP volunteers reported 13. In two seasons 88 APIPP Invasive Plant Monitors surveyed 92 distinct waters. With your assistance, APIPP is successfully establishing baseline information about the distribution of aquatic invasive plants in the Adirondack Park. Thank you for your substantial contribution to invasive species prevention and detection!

The following objectives were set and accomplished in 2003 with the assistance of partner organizations, Advisory Panel members, resident groups, and volunteers:

2003 Training

- Provided training sessions in invasive and native plant identification and monitoring. Organizations that assisted the sessions included Darrin Fresh Water Institute (DFWI), New York State Department of Environmental Conservation (NYS DEC), Hamilton County Soil and Water Conservation District (HCSWCD), and Paul Smith's College Watershed Stewards Program. The Fulton Chain of Lakes Association lent organizational support to the training in Inlet.
- Trained 19 participants at Bolting Landing, 30 at Inlet, and 35 at Paul Smiths College (Figure 1).
- Offered three follow-up informal training sessions at residents' requests.
- Distributed training manuals and secondary education resources for volunteer use.

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2003 Monitoring

- Implemented protocol for regional volunteer monitoring for aquatic invasive plants.
- Project staff and 66 volunteer monitors surveyed a total of 68 Adirondack lakes (Table 1, Figure 2).
- Accrued more than 310 volunteer monitoring hours.
- Awarded Certificates of Appreciation to Advisory Panel members Larry Eichler (DFWI), Scott Kishbaugh (DEC), and Elizabeth Mangle (HCSWCD) for assisting training sessions for two seasons.

2003 Voucher specimens

- 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).

Data storage and Website development

- 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.
- Created digitized lake maps for surveyed waterbodies in 2003.
- Updated data, maps, and text of the Adirondack Park Invasive Plant Program website, <http://www.adkinvasives.com>. The website is best viewed on the browser Internet Explorer or the newest version of Netscape Navigator. The site provides Program information, invasive plant descriptions, images, and survey data and maps from the Adirondack region.
- Created a comprehensive site map of waterbodies in the Adirondack Park reported with aquatic invasive plants and lakes surveyed by APIPP volunteers (Map 2).

2003 Education efforts

- Conducted 4 presentations to Adirondack lake associations and lake groups (Lake Pleasant-Sacandaga Association; Long Lake Association; Fulton Chain of Lakes Association; and, Chateaugay Lakes Association).
- Presented APIPP during two local government meetings (Town of Altamont; Hamilton County Soil and Water Conservation District, Board of Directors Meeting).
- Participated in numerous lecture series and community and Adirondack Public school events to educate students and the general public about invasive species in the Adirondack Park.

2003 Outreach efforts

- Assisted discussion between NYS DEC Unit Management Planners and the APA State Land team about informational resources available through APIPP and

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opportunities to incorporate invasive species language into unit management plans.

- Presented APIPP at two conferences: a regional conference, *The Adirondack Research Consortium*, and an international conference, *The International Conference on Ecology and Transportation*.
- Maintained the Adirondack Park Invasive Plant list-serve, http://groups.yahoo.com/group/AdkPark_Invasives/. The list-serve provides a forum for discussion and information exchange about invasive species issues throughout the Park.

2003 Management

- Compiled recommendations from research scientists and assisted the development of 'Advice on Hand Harvesting Nuisance and Invasive Aquatic Plants' developed by the Adirondack Park Agency, <http://www.apa.state.ny.us/Documents/Flyers.html>.

Program Transition

- Merged with the Terrestrial Invasive Plant Project to form the Adirondack Park Invasive Plant Program (APIPP).
- Completed EPA pilot-project "Region-wide monitoring of Aquatic Invasive Plants in the Adirondack Park".
- Began joint-coordination of APIPP's projects, the Aquatic Invasive Plant Project and the Terrestrial Invasive Plant Project, housed by the Adirondack Nature Conservancy.

2004 Objectives

- Develop and implement ranking system to prioritize waterbodies for monitoring, early detection, and rapid response, based on existing data collected by volunteers.
- Retain volunteer monitors from 2002 and 2003 and build volunteer base in communities with few or no volunteers.
- Collaborate with the Residents' Committee to Protect the Adirondacks to schedule invasive plant training for Adirondack Lake Assessment Program volunteers.
- Survey priority waters and assist volunteers with monitoring efforts.
- Enhance educational materials (watch cards and fact sheets) and pursue outreach opportunities (training partner staff, participating in community events).
- Encourage stakeholder discussion about integrated plant management approaches.
- Provide information to the New York State Invasive Species Task Force.

Please see attached map and document with tables and figures.

Thank You and See You on the Water in 2004!!

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Table 1. APIPP lakes surveyed in 2003 and aquatic invasive plants observed.
Alphabetized by county. Refer to website for detailed plant survey reports for lakes listed below. <http://www.adkinvasives.com/>

Lake Surveyed	Town	County	Invasive plants found	Year Surveyed
Silver Lake	Black Brook	Clinton	None observed	2003
Taylor Pond	Black Brook	Clinton	Eurasian watermilfoil	2002/03
Union Falls Flow	Black Brook	Clinton	Eurasian watermilfoil	2003
Lake Placid	North Elba	Essex	None observed	2002/03
Mirror Lake	North Elba	Essex	None observed	2003
Moose Pond	St. Armand	Essex	None observed	2003
Heavens Pond	Altamont	Franklin	None observed	2003
Little Wolf Lake	Altamont	Franklin	None observed	2003
Simon Pond	Altamont	Franklin	None observed	2003
Wolf Pond	Altamont	Franklin	None observed	2003
Barnum Pond	Brighton	Franklin	None observed	2002/03
Jones Pond	Brighton	Franklin	None observed	2002/03
Lower St. Regis	Brighton	Franklin	None observed	2002/03
Osgood Pond	Brighton	Franklin	None observed	2002/03
Rainbow Lake	Brighton	Franklin	None observed	2002/03
Spitfire Lake	Brighton	Franklin	None observed	2002/03
Upper St. Regis	Brighton	Franklin	None observed	2002/03
Deer River Flow	Duane	Franklin	Eurasian watermilfoil	2003
Eagle Pond	Duane	Franklin	None observed	2002/03
Horseshoe Pond	Duane	Franklin	Eurasian watermilfoil	2002/03
Meacham Lake	Duane	Franklin	Eurasian watermilfoil	2002/03
Buck Pond	Franklin	Franklin	None observed	2003
Franklin Falls Pond	Franklin	Franklin	Eurasian watermilfoi, curlyleaf pondweed	2003
Lake Kushaqu	Franklin	Franklin	None observed	2003
Kiawassa Lake	Harrietstown	Franklin	Eurasian watermilfoil	2002/03
Lake Clear	Harrietstown	Franklin	None observed	2002/03
Lake Flower	Harrietstown	Franklin	Eurasian watermilfoil, curlyleaf pondweed fragment	2003
Middle Saranac Lake	Harrietstown	Franklin	Eurasian watermilfoil	2003
Oseetah Lake	Harrietstown	Franklin	Eurasian watermilfoil	2003
Stony Creek Ponds	Harrietstown	Franklin	None observed	2003
Copperas Pond	Santa Clara	Franklin	Eurasian watermilfoil	2002/03
Hoel Pond	Santa Clara	Franklin	None observed	2002/03
Little Clear Pond	Santa Clara	Franklin	None observed	2003
Middle Pond	Santa Clara	Franklin	None observed	2003
Mountain Pond	Santa Clara	Franklin	None observed	2002/03
Rollins Pond	Santa Clara	Franklin	None observed	2003
Santa Clara Flow	Santa Clara	Franklin	None observed	2003
Whey Pond	Santa Clara	Franklin	None observed	2003
East Caroga Lake	Caroga	Fulton	Eurasian watermilfoil, curlyleaf pondweed observed	2002/03

			but not confirmed	
West Caroga Lake	Caroga	Fulton	Eurasian watermilfoil, curlyleaf pondweed observed but not confirmed	2002/03
Indian Lake	Indian Lake	Hamilton	None observed	2002/03
Fifth Lake, Fulton Chain	Inlet	Hamilton	Eurasian watermilfoil	2003
Seventh Lake	Inlet	Hamilton	Eurasian watermilfoil	2002/03
Sixth Lake	Inlet	Hamilton	Eurasian watermilfoil	2002/03
Cedar River Flow	Lake Pleasant	Hamilton	Unknown watermilfoil	2002/03
Lake Pleasant	Lake Pleasant	Hamilton	None observed	2003
Lake Sacandaga	Lake Pleasant	Hamilton	None observed	2003
Brandreth Lake	Long Lake	Hamilton	None observed	2003
Long Lake	Long Lake	Hamilton	None observed	2003
Big Moose Lake	Webb	Herkimer	None observed	2003
First Lake, Fulton Chain	Webb	Herkimer	None observed	2003
Fourth Lake, Fulton Chain	Webb	Herkimer	None observed	2003
Second Lake, Fulton Chain	Webb	Herkimer	None observed	2003
Third Lake, Fulton Chain	Webb	Herkimer	None observed	2003
Brantingham Lake	Greig	Lewis	None observed	2002/03
				2003
Chase Lake	Watson	Lewis	None observed	
Long Lake	Forrestport	Oneida	None observed	2003
Cranberry Lake	Clifton	St. Lawrence	Variable-leaf watermilfoil***	2002/03
Jordan Lake	Hopkinton	St. Lawrence	None observed	2003
Eagle Crag	Piercefield	St. Lawrence	None observed	2002/03
Gull Pond	Piercefield	St. Lawrence	None observed	2002/03
Horseshoe Lake	Piercefield	St. Lawrence	None observed	2003
Mt. Arab Lake	Piercefield	St. Lawrence	None observed	2002/03
Tupper Lake	Piercefield/Altamont	St. Lawrence	Variable-leaf watermilfoil***	2002/03
Austin Pond	Johnsburg	Warren	None observed	2002/03
Thirteenth Lake	Johnsburg	Warren	None observed	2003
Livingston Lake	Stony Creek	Warren	None observed	2003
Garnet Lake	Thurman	Warren	None observed	2002/03
Lake Nebo	Fort Ann	Washington	None observed	2003

*** *Myriophyllum heterophyllum*, variable-leaf watermilfoil, was observed during plant surveys in Jenkins Bay of Tupper Lake and Cranberry Lake in St. Lawrence County. Surveys in 2002 also detected the plant in Newton Falls Impoundment (Chaumont Pond). *Myriophyllum heterophyllum* is considered an invasive plant in New Hampshire, Maine, Connecticut, and Massachusetts. 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 th Lake Fulton Chain	Eurasian watermilfoil
Brant Lake	Eurasian watermilfoil
Copperas Pond	Eurasian watermilfoil
Cranberry Lake	Variable-leaf 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
Kiwassa Lake	Eurasian watermilfoil
Lake Flower	Eurasian watermilfoil, curlyleaf pondweed
Little Square Pond	Eurasian watermilfoil
Long Pond, Willsboro	Eurasian watermilfoil
Meacham Lake	Eurasian watermilfoil
Taylor Pond	Eurasian watermilfoil
Union Falls Pond	Eurasian watermilfoil
Lake Name	Voucher absent
Deer River Flow	Eurasian watermilfoil
Sixth Lake	Eurasian watermilfoil
Tupper Lake	Variable-leaf watermilfoil
West Caroga	Eurasian watermilfoil, Curly-leaf pondweed
East Caroga	Curly-leaf pondweed

Figure 1. Training participants in 2002 and 2003.

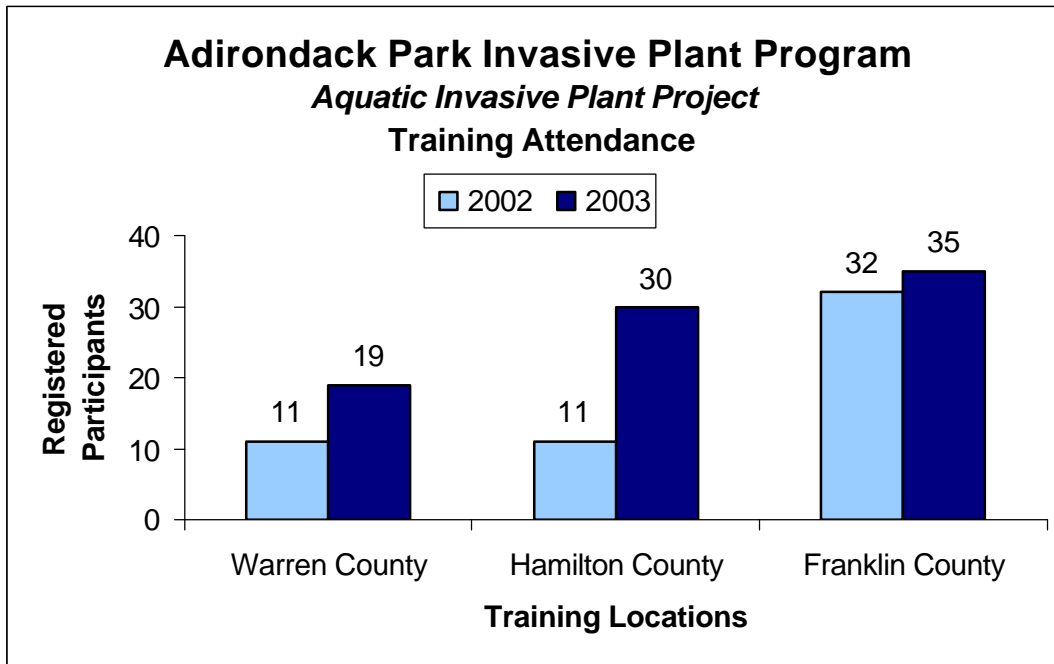


Figure 2. APIPP Lake Monitored in 2002 and 2003.

