



Department of  
Environmental  
Conservation



## Hydrilla vs. New York

Great Lakes Aquatic Nuisance Species Panel Meeting  
November 8, 2018

# Hydrilla in New York

High priority species prohibited by Part 575

Now found at 32 locations throughout New York

Often found near boat launches

Waterfowl also considered a vector



# Hydrilla in New York

## First discovered in 2008

2008 - Creamery Pond, Orange County

2008 – Sans Souci Lake, Lotus Lake, Suffolk County

2009 - Lake Ronkonkoma, Blydenburgh/New Mill Pond, Phillips Mill Pond, Suffolk County

2009 – Frost Mill Pond, Suffolk County

2011- Smith Pond, Great Patchoque Lake, Suffolk County; Cayuga Inlet, Tompkins County

2012 – several private ponds, Broome County

2012 – Cayuga Lake, Tompkins County; Tonawanda/Erie Canal, Niagara and Erie Counties

2013 – Croton River, Westchester County

2013 – Millers Pond, Suffolk County; Unnamed pond, Tioga County

2014 – New Croton Reservoir, Westchester County

2014 – Prospect Park, Brooklyn, Kings County

2015 – Tinker Nature Park pond, Monroe County

2016 – Aurora (Cayuga Lake), Tompkins County

2016 – Spencer Pond, Tioga County

2016 – Halsey Neck Road Pond, Suffolk County

**2018 - Kuhlman Pond, Tioga County**

**2018 - Avon Pond, Frank Melville Pond, and East Setauket, Suffolk County**

**2018 – Allison Pond, Staten Island, Richmond County**

**2018 – King Ferry, Cayuga Lake, Cayuga County**



# Management Options in Place

- 1) No management
- 2) Benthic mats
- 3) Triploid Grass Carp
- 4) Herbicide
- 5) Combination (IPM)



# High Priority Locations

**Tonawanda/Erie Canal** (Buffalo area): linking Great Lakes to inland New York (USACE lead)

**King Ferry/Aurora/Cayuga Inlet:** Cayuga Lake ( acres) linked to other Finger Lakes by recreational watercraft (USACE lead)

**Croton-on-Hudson:** Croton River is a tributary of the Hudson River (DEC lead)

**Spencer Pond:** linked to Upper Susquehanna River by Little Nanticoke Creek (DEC lead)







n Bay

Ottawa

Vermont

Toronto

Lake Ontario

New York

New

niagara river/erie canal

Aurora

Cayuga Inlet/Fall Creek

Spencer Pond

Connecticut

Croton River

Long Island Sound

Image Landsat / Copernicus

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Data SIO, NOAA, U.S. Navy, NGA, GEBCO

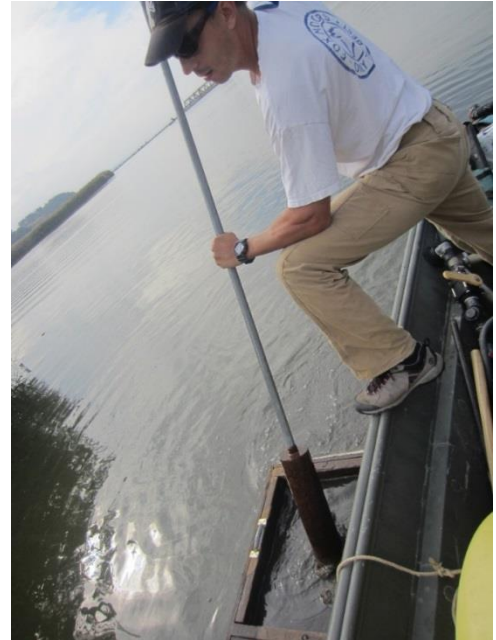
Pennsylvania

43°04'22.64" N 76°15'30.25" W elev 827 ft eye alt 366.22 mi

Google Earth

# Future Research

- What resolution for surveys is needed to detect individual plants or tiny areas?
- What kind of effort would be needed to produce that resolution?



# Future Research

- Are waterfowl a serious vector for transport?
- How long can fragments, tubers, and turions remain viable out of water?





# Future Research

- How are populations within New York genetically related?



Chris Doyle, Allied Biological

# Future Plans

- Re-assessment of management methods for smaller infestations (Suffolk County in particular)
- Continued focus on prevention and early detection and raising public awareness
- Continued monitoring through Hydrilla Hunters and other groups



# Future Plans



- Remaining flexible regarding control methods
- Continued communication across state borders
- Continuing the conversation about authority for treating on private property w/out landowner permission

# Acknowledgments



[www.wikipedia.org](http://www.wikipedia.org)

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