WNY PRISM
2016 Fall Partner Meeting

Andrea Locke, WNY PRISM Coordinator
Partnership for Regional Invasive Species Management
lockeas@buffalostate.edu / (716) 878-4708
www.wnyprism.org
Agenda

Part 1: WNY PRISM
- Introductions & Partner Updates
- WNY PRISM Update
- 2016 Annual Report
- Planning 2017
- Other News
  - Grant/Funding Opportunities
  - Biocontrol (water chestnut, hemlock woolly adelgid, swallow-wort)

Part 2: Guest Presenters
- Buckhorn Island State Park Restoration Project
- eDNA

Part 3: Networking
PRISM Projects

Kenneglen – Mugwort Removal

IS Shrub Removal at Conewango Valley and Fredonia College Lodge

Collected Gallerucella beetles for Purple Loosestrife Control, photo credit: Katrina Scheiner
PRISM Projects

Bergen Swamp – IS Shrub Removal

Stella Niagara – IS Shrub Removal

Jamestown Audubon – Water Chestnut Removal

Niagara Escarpment – IS Removal
PRISM Projects

Tifft Nature Preserve – Herbicide Training, IS Removal, Native Planting

Photo credit: Dave Spiering
Pre-Treatment 2015 (shows regrowth after earlier mowing)  

Spring 2016
PRISM Projects

Knotweed Removal @ GLC

Hydrilla Demonstration Project, photo credit: USACE Buffalo District

Volunteer Workday @ Kenneglenn – Honeysuckle Harvest
Mapping

• 7 Projects
  • Chautauqua Lake Outlet
  • Christ the King Seminary
  • Clarence Oak Openings
  • Franklin Gulf (right)
  • North Tonawanda Audubon Preserve
  • Silver Lake
  • WNY PRISM General (387 observations)
Education & Outreach

Party for the Planet

NISAW Birds & Invasives, RTPI

The Majestic Hemlock Workshop in Portville, NY

ISAW Hydrilla
Hunters/AIS Workshop

PRISM Display – Farmer’s Markets
Boot Brush Stations

Give Invasive Species the Brushoff!

- Set-up 5 Boot Brush Stations
  - Tifft
  - Amherst State Park
  - Kenneglen
  - Seneca Bluffs
  - Times Beach

- Collected Seed 2016
Brachypodium Working Group

*Brachypodium sylvaticum* (slender false brome)

- First seen in the Pacific Northwest, it is now found in NY, MI and VA
  - WNY – Genesee Co/Bergen Swamp
    - 2004 (1998?), but took a while to ID
  - FL- Tompkins Co.
  - LH – Dutchess Co.

- Individual plants can multiply rapidly through shaded and open areas

- Meeting December 5th
Early Detection

- Identified 13 sites for early detection species monitoring, based on iMapInvasives & EDDMapS

- 5 species
  - Slender false brome
  - Japanese stiltgrass
  - Mile-a-minute vine
  - Water lettuce
  - Water hyacinth

- Released WNY PRISM ED Reporting Protocol

Early Detection Priorities

1. Anoplophora glabripennis  
   Asian Longhorned Beetle
2. Brachypodium sylvaticum  
   Slender False Brome
3. Channa argus  
   Northern Snakehead
4. Eichhornia crassipes  
   Water Hyacinth
5. Hypophthalmichthys molitrix  
   Silver Carp
6. Hypophthalmichthys nobilis  
   Bighead Carp
7. Microstegium vimineum  
   Japanese Stiltgrass
8. Persicaria perfoliata  
   Mile-a-Minute Vine
9. Pistia stratiotes  
   Water Lettuce
DEC Giant Hogweed Crew

- In 2015, WNY PRISM had 568 Giant Hogweed Sites
- The majority of sites had <100 plants, but 28 sites had >1000
- WNY PRISM Hosted 2 DEC Technicians

DEC Giant Hogweed Crew (fr l to r: Jeff Friedman, Crew Leader, Kevin Preischel, Daniel Vlau, Field Technicians

Giant Hogweed @ Royaltine Ravine
The WNY PRISM Annual Report is intended to provide an overview of all of the invasive species management activities taking place in our region. This report is shared with individuals and policy makers on the state and federal level, making this a great opportunity to share your stories!

• Research
• Education
• Volunteer Efforts
• Prevention
• Early Detection
• IS Removal
• Habitat Restoration
Looking Forward - 2017

• Beginning to develop WNY PRISM’s 2017 Work Plan
  • Follows Strategic Plan Goals and Scope of Work

• January – call for Crew assistance

• Working Groups

• Student Internships

• Spring Partner Meeting – Presentation Topics

• NYS Invasive Species Awareness Week is July 9-15
Applications Due January 13, 2017

Conference Call/Webinar November 21, 2017 (2 -4pm)

Great Lakes Taxonomy and Barcodes to Support Early Detection Monitoring of Invasive Species

Invasive Species Control

Foundations for Invasive Species Collaborations

Also - Phosphorus Risk Reduction Pilots in Western Lake Erie Agricultural Watersheds, Agricultural Watershed Management Implementation, Urban Watershed Management Implementation, Agricultural Incentive Program Effectiveness
Other News

- NYS DEC has released an RFP for the development of an Invasive Species Comprehensive Plan for New York State
- NYS DEC ISCS is working on a draft 5-year Education and Outreach Strategic Plan and is finalizing their Early Detection/Rapid Response Plan
- Oak Wilt and Mile-a-minute vine has been found in Finger Lakes PRISM
- iMapInvasives now has a ‘Not Detected’ option for Hemlock Woolly Adelgid
- NFWF has created a Bats for the Future Fund – focus on WNS
Biocontrol Update: Swallow-wort

• Defoliating moth, *Hypena opulenta*, released in Canada in 2013
• 2 generations per summer
• 2015 & 16 showed successful overwinter
• Moths are showing minimal damage because they tend to disperse
• Planning release at test sites in NYS next summer – waiting for approvals
• Nearest proposed sites to WNY is TNC’s Great Gully Preserve and Monroe County property

Photo credit: lepidoptera.crimea.ua
Biocontrol Update: HWA

- *Laricobius nigrinus* released in North Carolina 10 years ago and has been released in the Finger Lakes Region at 15 locations since 2008
- Insects have been recovered, but numbers are small and supplies of this predator are limited and lab rearing is necessary
- *Leucopis piniperda* and *L. argenticollis*, 2 species of silverfly released near Skaneateles Lake
- *Scynunus camptidromus* possibilities

Biocontrol Update: Water Chestnut

- *Galerucella birmanica*
- Collected from Wuhan Botanical Garden, China
- Currently undergoing host specificity testing at Cornell University – under quarantine
- Strongly prefers *Trapa* and may be host specific, however it can complete lifecycle on *Brasenia schreberi* (watershield) and will feed on it
- Damage appears minor and shows no apparent consequence to demography, but this will be tested

*G. birmanica* larvae and adults feeding on *Trapa natans*, photo credit: invasiveplants.net

*Brasenia schreberi*, watershed, photo credit: rook.org

Photo credit: wikipedia
Together, we can!

Get Involved
A collaborative and landscape scale approach to invasive species management is essential - make your voice heard and get involved with WNY PRISM

Stay informed
Sign up for the email list: `<cce-westernprism-l-request@cornell.edu>` (subject = ‘join’)

Share and Leverage Limited Resources
Partners joining together have access to more resources – one partner may have dedicated volunteers while another has equipment or tools, and another may have media contacts.

Improve Control Efforts
Training all partners in the use of the current and most effective Best Management Practices – can reduce non-target damage and help improve public perception

Secure Funding
Many funding agencies require partnerships, but at the very least they require regional and stakeholder support for projects

All photos used in this presentation are from WNY PRISM unless otherwise identified