

Great Lakes Panel on Aquatic Nuisance Species
Great Lakes BIOTIC Symposium: Organisms in Trade
June 15-17, 2021

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+1 313-261-5329 United States, Detroit
(844) 608-9777 United States (Toll-free)
Conference ID: 420 911 061#

Agenda

June 15

All times Eastern

Bringing law enforcement and AIS managers together

- 2:00 p.m.** 1. Session welcome and introductions
Francine MacDonald, Ontario Ministry of Natural Resources and Forestry (MNRF)
Greg Hitzroth, Illinois-Indiana Sea Grant
- 2:10 p.m.** 2. Purpose and goals of symposium
Doug Jensen, Minnesota Sea Grant
Jill Wingfield, Great Lakes Fishery Commission
Tim Campbell, Wisconsin Sea Grant
Eric Fischer, Indiana Department of Natural Resources (DNR), Great Lakes Panel on Aquatic Nuisance Species
- 2:30 p.m.** 3. Law enforcement and AIS manager survey results
Tim Campbell, Wisconsin Sea Grant
- 2:50 p.m.** 4. Case studies in law enforcement coordination with AIS managers
- Transport of live invasive carp and the evisceration requirement
Ontario MNRF (invited)
 - Shipment of red swamp crayfish to Ontario
Mike Feagan, Michigan DNR
 - Pet crayfish distributor and the importance of documentation
Bob Stroess, Wisconsin DNR
- 3:10 p.m.** 5. Small group discussion on case study takeaways
All
- Participants will discuss the following questions:
 - What's something you heard that you will try to do in your day to day job?
 - Do you have a similar example you could share?
- 3:25 p.m.** Break
- 3:35 p.m.** 6. Case studies in law enforcement coordination with AIS managers
- AIS manager and law enforcement coordination in Illinois
Kevin Irons, Illinois DNR
 - AIS manager and law enforcement coordination in Michigan

Sarah LeSage, Michigan Department of Environment, Great Lakes, and Energy

- Wisconsin organisms in trade pathway group
Amy Kretlow, Wisconsin DNR
- Clarifying pet industry regulations, enforcement responsibilities, and enforcement authorities
Terry Short, Michigan DNR
Matt Leibengood, Ohio DNR

- 4:00 p.m.** 7. Small group discussion on case study takeaways
All
Participants will discuss the following questions:
- What's something you heard that you will try to do in your day to day job?
 - Do you have a similar example you could share?
- 4:15 p.m.** 8. Closing session
All
- Report out on common themes from small group discussions
- 4:30 p.m.** 9. Adjourn and look ahead to the next two days

June 16

All times Eastern

Tools to improve knowledge and detection of species in the Organisms in Trade pathways

- 2:00 p.m.** 1. Session start-up and introduction to session topic
Francine MacDonald, Ontario MNRF
Greg Hitzroth, Illinois-Indiana Sea Grant
- 2:15 p.m.** 2. Development of tools and training: Identification handbook for law enforcement use in bait shops
John Navarro, Ohio DNR
- 2:25 p.m.** 3. First Use of a Compliance Order under Ontario's *Invasive Species Act, 2015*
Brenda Koenig, Ontario MNRF
- 2:35 p.m.** 4. Detection technology and use of eDNA tools to make pathway detections: LAMP assays
Jon Amberg, U.S. Geological Survey
- 2:45 p.m.** 5. Creative policy solutions to gaps in authority: Michigan Registration to Sell Aquatic Organisms program
Susannah Iott, Michigan Department of Agriculture and Rural Development
- 2:55 p.m.** 6. Dedicated AIS law enforcement units: logistics and processes for organizing and maintaining effort
Brandon Fehrenbacher, Illinois DNR
Nick Torsky, Michigan DNR
- 3:05 p.m.** Break
- 3:20 p.m.** 7. Working sessions
All

Participants will be separated into virtual breakout rooms to discuss the following questions:

- How is your work influenced by and/or make an impact on pathway detection and the topics discussed today?
- How does your jurisdiction confirm identifications (e.g., genetics, taxonomists, etc.)? What could be improved about this process?
- Is eDNA an appropriate tool to pursue for pathway detection? What other work is needed to make this a feasible tool for law enforcement (both research and applicability, e.g., handheld)? What policy/regulations need to be in place to support use of this technology? Is eDNA strong enough to use as evidence for enforcement action?
- What authorities are needed to facilitate use of detection tools (e.g., authorities to inspect in order to make a detection)? What actions can an agency take in the case of a detection?
- What policy or outreach tools/solutions could be used to make enforcement easier in the absence of clear authorities or knowledge?

- 4:20 p.m.** 8. Closing session
All
- Report out from working sessions

- 4:30 p.m.** 9. Adjourn

June 17

All times Eastern

Communication and response tools to improve pathway management and enforcement

- 2:00 p.m.** 1. Session start-up
Francine MacDonald, Ontario Ministry of Natural Resources and Forestry
Greg Hitzroth, Illinois-Indiana Sea Grant
- 2:10 p.m.** 2. Tools to improve coordination in response efforts and related communications
Jill Wingfield, Great Lakes Fishery Commission
Doug Jensen, Minnesota Sea Grant
Tim Campbell, Wisconsin Sea Grant
Rochelle Sturtevant, NOAA-GLANSIS
Ceci Weibert, Great Lakes Commission
- Joint Forces Committee
 - AIS communication forums
 - USGS-NAS and NOAA-GLANSIS databases
 - Interstate Early Detection and Rapid Response communication plan
 - Great Lakes St. Lawrence Governors and Premiers' Mutual Aid Agreement
- 3. Case studies: Response to zebra mussel infestation of moss balls in pet/aquarium retail**
- What communication tools were used
 - What did response look like/what actions were taken
 - What went well in the response, communication, and coordination efforts
 - What gaps in authority/response did this event and subsequent response highlight (roadblocks/what could be improved)
- 2:25 p.m.** U.S. federal response and coordination
Craig Martin, U.S. Fish and Wildlife Service

- 2:35 p.m.** Canadian federal response and coordination
Susan Roe, Fisheries and Oceans Canada
- 2:45 p.m.** Western state response and coordination
Stephen Phillips, Pacific States Marine Fisheries Commission
- 3:00 p.m.** Great Lakes state response and coordination
Eric Fischer, Indiana DNR
Amy Kretlow, Wisconsin DNR
- 3:15 p.m.** Break
- 3:30 p.m.** 4. Working session
All
Participants will discuss the following questions:
- What state/province-specific communication channels are in use, and by whom?
 - Would Great Lakes conservation law enforcement and AIS/natural resource managers benefit from a formalized communication protocol, platform, or system? If so, what does that look like?
 - How does law enforcement fit into the Mutual Aid Agreement? Is there additional work needed to make this process more convenient/conducive to interjurisdictional and interagency coordination?
- 4:10 p.m.** 5. Symposium closing session
All
- Report out from all working sessions
 - Recap progress and high-level discussions of the previous days
 - Review next steps and ideas/needs for fall meeting
- 4:30 p.m.** 6. Adjourn