



Welcome!

Great Lakes Panel Business Meeting
October 26, 2021 | Webinar



Call to order, roll call



Agenda

All times Eastern

GLP Business Meeting 10:00 a.m. – 12:15 p.m.

- Approval of June 2021 meeting summary
- Report on June 2021 action items
- Response to GLP and NEANS joint recommendation to the ANSTF on GLLCISP funding
- GLP elections and nominating committee announcement
- Committee reports
- Interjurisdictional Project: Regional Invasive Aquatic Plant Control Prioritization and Needs Assessment
- Programmatic Updates
- Open floor for GLP member announcements and updates
- Public comment
- Adjourn

Agenda

All times Eastern

Oct. 26

- Plenary Session: Regional AIS Coordination through GLRI Interjurisdictional Projects 1:45-4:15 pm

Oct. 27

- Plenary Session: Social Science and AIS Management 9:45 am – 12:00 pm
- Research Coordination Committee Meeting 2:00 – 3:30 pm

Oct. 28

- Information/Education Committee Meeting 9:30 – 11:00 am
- Organisms in Trade ad hoc committee meeting 12:30-2:00 pm
- Closing Session 2:30 – 3:30 pm

Approval of June 2021 meeting summary

June 2021 action items report

June 2021 Action Items Completed: GLP ExCom

- ✓ ExCom and staff will plan the fall 2021 GLP meeting
- ✓ Make a decision about the fall 2021 meeting format by the end of August
- ✓ Continue to work with standing committees and full GLP membership to better understand and establish the role of the GLP as it pertains to advancing social acceptance of genetic biocontrol tools

June 2021 Action Items Completed: GLP Staff

- ✓ Solicit further input in late July from GLP members via survey on their preference for a virtual, hybrid, or in-person meeting, including feedback on travel or other restrictions that may impact their ability to participate in an in-person meeting
- ✓ Develop and circulate action items, a summary of the meeting and notes from the standing committee meetings
- ✓ Post presentations from the meeting to the GLP website (pending presenter approval)
- ✓ Distribute the final version of comments submitted on the Great Lakes Ballast Water Research and Development Plan to all GLP members
- ✓ Schedule standing committee sessions during biannual GLP meetings to prevent overlap, allowing committee members to attend multiple committees

June 2021 Action Items Completed: GLP Members

- ✓ Respond to the fall meeting format survey by August 18
- ✓ Send any identified gaps and needs regarding the interjurisdictional invasive aquatic plant project to Research Coordination Committee chair and GLP coordinator
- ✓ Register for upcoming ANS Task Force meeting: June 28-30

June 2021 Action Items

In progress / Ongoing



ExCom will engage with the Great Waters Research Collaborative



ExCom will consider ideas proposed by GLP members and next steps for working with Western states to address the “used boat hauler” pathway of invasive mussel spread



ExCom will consider solutions to address the apparent lack of social science expertise in the GLP membership



ExCom will provide an update on the GLLCISP recommendation to the ANSTF



Staff will schedule a webinar to review new functions, features and data in the USGS NAS Database



Members interested in serving as the interim Policy Coordination Committee Chair may contact the ExCom and GLP Coordinator

Response to GLP and NEANS joint recommendation to the ANSTF on GLLCISP funding

GLP membership update

GLP elections and nominating committee announcement

Committee Reports

June 2021
Action Items:
OIT Ad Hoc
Committee

✓ Host BIOTIC 3
Symposium

OIT Ad Hoc Committee

- A survey was distributed to inform planning of the symposium
 - 30 responses, ~40% response rate
- Each day of the symposium had 60+ participants, representing Canada, US, and Tribal nations
- An update on the symposium was provided to the LAW committee, and we are continuing to coordinate committee activities with them
- Next steps include finalizing a synthesis of the symposium and determining future activities

June 2021 Action Items: Information/ Education Committee

- ✓ Focus efforts to address GLP priorities through support of the OIT ad hoc committee's activities
 - Ongoing
- ✓ Begin planning GLP website redevelopment
 - Ongoing
- ✓ Identify social science experts to coordinate with on future activities related to the social acceptance of genetic biocontrol
- ☐ Work with the RCC in considering development of a template outreach/communication strategy to target and educate elected officials
 - Under development

June 2021 Completed Action Items: Research Coordination Committee

- ✓ Contractor Alisha Davidson will refine the priority established species list to exclude conflict-of-interest species (e.g., sport fish) and develop a manuscript to report on the list development process and findings
- ✓ A managers' survey will be developed for the *Regional Invasive Aquatic Plant Control Prioritization and Needs Assessment* interjurisdictional project
 - ✓ Staff will provide a one-page brief on topics to discuss in advance of interviews
- ✓ Committee members who are not state AIS coordinators will help refine interview/survey questions

June 2021 Ongoing Action Items: Research Coordination Committee

- ❑ To further refine the priority species list, the committee will work to determine why some high-risk species do not appear to be receiving adequate management funding and provide management recommendations
- ❑ The RCC will undertake a process to consider research priorities, candidate species, key needs, and other relevant factors related to genetic biocontrol in the Great Lakes region
- ❑ The RCC will work with the I/EC in considering development of a template outreach/communication strategy to target and educate elected officials

Interjurisdictional Project: Regional Invasive Aquatic Plant Control Prioritization and Needs Assessment

Interjurisdictional Project: Regional Invasive Aquatic Plant Control Prioritization and Needs Assessment update

GLP Panel meeting

October 26, 2021

List parameters

- Updated list based on committee feedback:
- Impact score of 4, 5, 6 (Total impact scores can be 0-6). Also included those that score 3 and are "high" in env or soc/cult (this is purple loosestrife and *Typha angustifolia*; also include yellow floating heart as score of 3 is being re-assessed by GLANSIS and important to managers)
- All watchlist species, as these represent species that are in unique spots in the invasion timeline to potentially eradicate. All are 5s anyways, except for graceful cattail (*Typha laxmanii*), which is a 2.
- Exclude *Enteromorpha* (not established), Phrag (enough being done by others)
- *Conium maculatum*, *Echinochloa crus-galli*, *Persicaria maculosa*, *Solanum dulcamara* excluded due to terrestrial impacts
- Added water soldier (established in Canada)

Priority plant species

1 st Draft	Species	Common Name	Status
Done	<i>Cabomba caroliniana</i>	Carolina fanwort	NI
(low priority)	<i>Didymosphenia geminata</i>	rock snot	RE
Done	<i>Egeria densa</i>	Brazilian waterweed	WA
Done	<i>Eichhornia crassipes</i>	water hyacinth	WA
Done	<i>Hydrilla verticillata</i> (include mono/di biotypes)	Hydrilla	NI
(low priority)	<i>Hydrocharis morsus-ranae</i>	European frogbit	NI
Done	<i>Iris pseudacorus</i>	yellow iris	NI
	<i>Lythrum salicaria</i>	purple loosestrife	NI
	<i>Myriophyllum aquaticum</i>	Parrot feather	WA
Done	<i>Myriophyllum spicatum</i> (include hybrids)	Eurasian watermilfoil	NI
	<i>Najas minor</i>	brittle waternymph	NI
	<i>Nitellopsis obtusa</i>	starry stonewort	NI
	<i>Nymphoides peltata</i>	yellow floating-heart	NI
	<i>Phalaris arundinacea</i>	reed canarygrass	NI
	<i>Pistia stratiotes</i>	water lettuce	WA
	<i>Potamogeton crispus</i>	curly-leaf pondweed	NI
	<i>Stratiotes aloides</i>	water soldier	WA
	<i>Trapa natans</i>	water chestnut	NI
	<i>Typha angustifolia</i> (include hybrids)	narrow-leaved cattail	NI
	<i>Typha laxmanii</i>	Graceful cattail	WA

Literature review components

- Lead researchers/experts in GL:
- Impact score (GLANSIS):
- Jurisdictions regulated:
- Jurisdictions present: e.g., MI (**Great Lakes** basin), OH (**Great Lakes** and Ohio River basin), NY (**Great Lakes** and Mid-Atlantic basins), ONT (**Great Lakes** basin), PA (Ohio and Mid-Atlantic basins)
- General control strategies: chemical, manual/mechanical, physical, biological
- Mgmt/control case studies from the Great Lakes
- Mgmt/control case studies from outside the Great Lakes
- Novel/notable laboratory or in situ research
- Management gaps/challenges

Management Practices: Summary and Recommendations

Chemical (note: most herbicides negatively impact a subset of non-target organisms; please refer to herbicide-specific text for more details)

Treatment	Effect	Potential uses	Should not use	Efficacy	Comments
Fluridone	Slow-acting systemic herbicide				
Endothall	Fast-acting contact herbicide				
Copper	Fast-acting contact herbicide				
Diquat	Fast-acting contact herbicide				
Penoxsulam	Slow-acting systemic herbicide				
2,4-D	Slow-acting systemic herbicide				
Triclopyr	Slow-acting systemic herbicide				
Glyphosate	Fast-acting systemic herbicide				
Imazapyr	Fast-acting systemic herbicides				
Carfentrazone-ethyl	Fast-acting contact herbicide				
Imazamox	Fast-acting systemic herbicide				
Flumioxazin	Fast-acting contact herbicide				
Florpyrauxifen-benzyl	Fast-acting contact herbicide				

Management Practices: Summary and Recommendations cont.

Mechanical, physical and biocontrol

Treatment	Effect	Potential uses	Should not use	Efficacy	Comments
Cutting/harvesting	Harvesting via boat-mounted cutters				
Rotovation	Underwater rototilling				
Benthic barriers	Opaque fabric covers				
Dredging	Plant and sediment removal				
Drawdown	Lower water levels				
Hand-pulling	Includes diver-assisted suction harvesting				
Biocontrol	Biological agents				

Programmatic Updates

GLP Member announcements and updates

Public Comment