



Aquatic Invasive Species News

June 1, 2023

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RECOMMENDED READING LISTENING

Radio Show [28min listen]: [Beyond Your Front Door: The European Green Crab Invasion on the Oregon Coast](#) [Dr. Sylvia Yamada (Oregon State University) and Summer Henricksen (Oregon Dept. of Fish & Wildlife).]

PUBLIC COMMENT

The Washington Department of Fish and Wildlife (WDFW) and Washington Invasive Species Council are in the process of developing a State of Washington Interagency Rapid Response Plan for Northern Pike *Esox lucius*. We are requesting your feedback on the draft plan. The plan can be downloaded from <https://wdfw.wa.gov/sites/default/files/2023-05/draft-state-washington-interagency-northern-pike-rapid-response-plan.pdf>

Please provide your comments and feedback on the document to Jesse Schultz at jesse.schultz@wdfw.wa.gov no later than 4:00 p.m. PDT on **Monday, June 12, 2023**. We value your feedback and appreciate your time.

Plan Purpose

The purpose of the Interagency Northern Pike Rapid Response Plan is to provide a coordination document and technical resource to enhance the efficiency and effectiveness of Northern Pike prevention efforts, detection, early response, and long-term management activities. These efforts are necessary to minimize environmental, economic, and cultural resource impacts of Northern Pike where they are currently established and prevent further invasion of waterbodies within Washington state to protect native and important gamefish species.

[Oregon's Integrated Water Resources Strategy](#)

In Oregon, we have a statewide plan for our water called the [Integrated Water Resources Strategy](#). The Strategy provides a way for our state to better understand and meet the many

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needs that plants, animals, people, and the land all have. Now it's time for us to update the strategy. Starting May 11th, you can [share](#) what you think! Oregon's Kitchen Table is partnering with the Oregon Water Resources Department to hear from you as state agencies work to update our water strategy. You can participate in different ways:

- An [online survey](#) in nine languages.
- Join a [community conversation](#) in different parts of the state or a [Zoom conversation](#). View the details for the conversation and register here.
- Host your own [Kitchen Table Conversation](#). To learn how to hold a conversation with your own family, friends, or neighbors download the Guide [here](#). OKT is available to help you think through how you might host the conversation. Reach out to us at info@oregonskitchentable.org!

We are also working with community organizers and partners to conduct culturally specific engagement activities.

Share what you think in one of these ways! We have through **July 15th, 2023**.

[Note: Language addressing invasive species in the [2017 Integrated Water Resources Strategy](#) can be found on pages 145-146]

NEW SPECIES SIGHTINGS

Want to get more new species alerts?
USGS NAS: <https://nas.er.usgs.gov/AlertSystem/default.aspx>
IMAP INVASIVES: <https://www.imapinvasives.org>

WATCH LIST

- Alaska: Report your sightings via the [ADF&G Invasive Species Reporter](#) or by calling the Invasive Species Hotline: 877-INVASIV (877-468-2748). If you locate invasive green crab on Annette Islands Reserve, you can call 907-886-FISH to make a report.
- British Columbia: Take a photo, put it back where you found it, and email the information about where you saw it and when to: AISPACIoFIC@dfo-mpo.gc.ca
- Washington: Take a photo, put it back where you found it, and report suspect crabs here <http://wdfw.wa.gov/greencrab>
- Oregon: Retain green crab caught in your gear - it is illegal to return them to state waters. They are part of your “Other Shellfish” daily catch limit. Try them as food with the rest of your catch. Do not mutilate or kill any crab while you are crabbing.

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[5 invasive pests to look out for in WA and how to report sightings](#)

[Destructive forest pest, the emerald ash borer, arrives in Oregon; public asked to report sightings](#)
[Cover your ash: Keep an eye out for the emerald ash borer in Washington](#)

DREISSENID MUSSELS

[Zebra mussel mitigation a top priority for ANS awareness week in North Dakota \(5/17/23\)](#)

Invasive species are increasing in North Dakota's waterways, and the state government is hoping to do something about it.

[Gross! Texas Lakes Are Being Invested By Pest Like Zebra Mussels \(5/15/23\)](#) TPWD's Inland Fisheries regional director, Brian Van Zee says, unfortunately, zebra mussels have now spread to 35 different lakes in Texas, but there are far more lakes in Texas that haven't been invaded which means they could possibly be at risk.

Related: [Texas lake 'fully infested' with invasive zebra mussels \(5/24/23\)](#)

[A deep dive into Kansas' most invasive species \(5/26/23\)](#) KSNT 27 News spoke with wildlife experts about the impact of the notorious and widespread zebra mussel infestation and what's being done to stop their growth.

Adam J. Sepulveda, Christine E. Dumoulin, Denise L. Blanchette, John McPhedran, Colin Holme, Nathan Whalen, Margaret E. Hunter, Christopher M. Merkes, Catherine A. Richter, Matthew E. Neilson, Wesley M. Daniel, Devin N. Jones, David R. Smith, When are environmental DNA early detections of invasive species actionable?, Journal of Environmental Management, Volume 343, 2023, 118216, ISSN 0301-4797, <https://doi.org/10.1016/j.jenvman.2023.118216>

Kelly, R. P., Lodge, D. M., Lee, K. N., Theroux, S., Sepulveda, A. J., Scholin, C. A., Craine, J. M., Andruszkiewicz Allan, E., Nichols, K. M., Parsons, K. M., Goodwin, K. D., Gold, Z., Chavez, F. P., Noble, R. T., Abbott, C. L., Baerwald, M. R., Naaum, A. M., Thielen, P. M., Simons, A. L. ... Weisberg, S. B. (2023). Toward a national eDNA strategy for the United States. Environmental DNA, 00, 1– 10. <https://doi.org/10.1002/edn3.432>

BOAT INSPECTION/DECON

[CPW to shift to new mussel inspection sites after success of Loma pilot program \(5/15/23\)](#)
Colorado Parks and Wildlife will shift a pilot roadside program for intercepting boats infested with

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invasive mussels to other parts of the state this year following a successful first year on Interstate 70 in Loma.

[Grand Teton: Do your part to prevent AIS \(5/15/23\)](#) Local residents and visitors to Grand Teton National Park (GTNP) are reminded to do their part to prevent the spread of aquatic invasive species (AIS) and have their watercraft inspected before launching on park waters.

[With Yellowstone boating season, park reminds of invasive species \(5/16/23\)](#) Recreationists should clean, drain and dry all boats, trailers and equipment before arriving in the park to minimize the risk of introducing AIS into Yellowstone's waters.

[More inspection stations for zebra mussels coming to Manitoba \(5/23/23\)](#) "We encourage Manitobans to be vigilant to help prevent the spread of aquatic invasive species.

[TPWD Stresses Importance for Boaters to "Clean, Drain, and Dry" \(5/24/23\)](#) "The best way to prevent the spread of many harmful aquatic invasive species is to clean, drain and dry your boats and equipment – every time."

[Lake Tahoe watercraft inspection program open \(5/26/23\)](#) The Tahoe Regional Planning Agency and Tahoe Resource Conservation District manage the boat inspection program to prevent the spread of aquatic invasive species by ensuring all watercraft are clean, drained and dry before entering the waters of the Lake Tahoe region.

[Utah's waterways may fill this summer, but boaters must prevent quagga mussel invasion \(5/30/23\)](#) DWR, Utah State Parks, Arizona Game and Fish Department and the National Park Service inspected 8,556 boats and performed 103 decontaminations over the weekend, with around a quarter of this number occurring at inspection stations near Lake Powell.

BALLAST WATER/BIOFOULING

[BIO-UV moves forward with navy ballast water treatment system \(5/25/23\)](#) The tailor-made system is part of a US government objective to fit Naval vessels with a treatment option.

[Navigating ballast water regulations: protecting ecosystems and ensuring compliance \(5/29/23\)](#) OneOcean's product manager for environmental solutions, Alexander Moore, examines how the regulations on ballast water treatment have developed and where they are leading

MARINE

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[\[Washington\] Team searches for invasive crabs in area bays \(5/15/23\)](#) The search for invasive European green crabs has restarted in Padilla and Samish bays after a winter pause.
Related: [Citizen science program to survey European green crabs \(5/17/23\)](#)

[Metlakatla leading Alaska's efforts against invasive green crabs \(5/17/23\)](#) For two days the last week of April, a cohort of scientists, resource managers and community members who want to quash the spread of the insidious green crab gathered in Ketchikan.

[Cleaning up ocean 'garbage patches' could destroy delicate ecosystems \(5/17/23\)](#) Study finds floating city of translucent creatures living among debris

[European Green Crabs Addressed Thanks To Government Of Canada Funds \(5/30/23\)](#) The Pacific Salmon Foundation (PSF) received a \$750,000 grant over three years in the initial round of funding to help control and manage the spread of European Green Crab in the Salish Sea.

AQUACULTURE

[Court Rules in Favor of NWAA, Allowing the Alliance to Join the Jamestown S'Klallam Tribe's Lawsuit against Washington DNR for Shutting Down Fish Farming on State Aquatic Lands \(5/19/23\)](#)

[BCSFA fears further closures of salmon farms will end farming in BC \(5/26/23\)](#) Concerns have been raised by the BC Salmon Farmers Association about the commitment by Fisheries and Oceans Canada (DFO) to close more salmon farms

FRESHWATER

[Specially-trained dogs sniff out invasive crayfish in England \(5/23/23\)](#) Dog handler Lucy Wilde from Sequor Ecology Detection Dogs, said: "The early identification from the dogs allows us to quickly pinpoint areas where traps can be laid, helping to minimise the impact of the species on the environment."

[Large snapping turtle located in Harrisburg, Oregon \(5/25/23\)](#) Wildlife officials captured a 25-lb snapping turtle found wandering through a Harrisburg pasture on Apr. 28. The invasive species, which poses a threat to native fish and wildlife habitats, not to mention human hands and feet, was a product of illegal turtle trafficking.

FISH

'We are selling a product that we hope gets discontinued' (5/18/23) Ms Benn is talking about the Canadian firm's "Sustainable Fish" dried dog food. It is made from an invasive species of fish called silver carp.

Spearfishers Remove Nearly 20,000 Invasive Lionfish from the Gulf of Mexico in Two Days (5/25/23) Participants in the annual Emerald Coast Open Lionfish Tournament set an all-time record for removal of the invasive species, besting last year's total by more than 11,000 fish

Evans, H.S., Coulter, A.A., Johnson, A.L. et al. Comparison of resource use by invasive Black Carp and native fishes using isotopic niche analysis reveals spatial variation in potential competition. *Biol Invasions* 25, 2249–2260 (2023). <https://doi.org/10.1007/s10530-023-03038-y> [\$]

AQUATIC PLANTS

Holt, S.D., Sigel, E.M., Sutherland, B.L. et al. What is *Salvinia molesta* (Salviniaceae)? Determining the maternal progenitor and genetic diversity of the clonal invasive fern giant salvinia. *Biol Invasions* 25, 2131–2141 (2023). <https://doi.org/10.1007/s10530-023-03028-0> [\$]

CLIMATE CHANGE

OUTREACH AND EDUCATION

4 Ways to Keep Aquatic Invasive Species from Spreading in Montana in 2023 (5/18/23) Everything west of Montana's Continental Divide is in the Columbia River Basin, which is the last major watershed free of invasive mussels in the U.S., so we must do our part to keep invasive species from spreading.

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Finley, D., Dovciak, M. & Dean, J. A data driven method for prioritizing invasive species to aid policy and management. Biol Invasions 25, 2293–2307 (2023). <https://doi.org/10.1007/s10530-023-03041-3> [S]

OTHER

[The war on Japanese knotweed \(5/16/23\)](#) Once hailed as a ‘handsome’ import, this most rampant of plants has come to be seen as a sinister, ruinous enemy. Can it be stopped?

[Could handbags be the haute couture solution to Florida’s python problem? \(5/16/23\)](#) Invasive Burmese pythons are devastating wildlife but one firm believes turning snake leather into accessories could be a win-win

[Spotted Lanternflies Could Ruin Your Favorite Wine \(5/16/23\)](#) The invasive flies are a threat to breweries and wineries—including in the Washington region.

[Exotic pet surrender event aims to curb invasive species spread in Wisconsin \(5/22/23\)](#) As part of the larger Invasive Species Action Month of June, the event seeks to address the issue of improper pet release which can harm both the pets and the environment by introducing species into ecosystems in which they may not survive or could potentially do damage.

JOBS/GRANTS

New:

- *The Office of Personnel Management launched a [new portal](#) as part of USAJOBS for students interested in applying for internships at federal agencies, billed as a “one-stop shop” for those interested in exploring a career in government.*
- *Are you ready to make a contribution to fisheries of the West Coast? Begin your job search and application process by searching for [specific jobs at PSMFC](#)*

Jobs

[Fisheries Biologist III-Predation and Invasive Species](#)

Fisheries Resource Management (FRM)

Yakima Department of Natural Resources

Hourly Wage: \$29.11/Regular/Full-Time/Supervisory

Location: Toppenish, WA

The Predation and Invasive Species Biologist will oversee the development and implementation of projects to reduce the impact of predation on juvenile salmonids by 1) avian predators and 2) piscine predators and invasive species removal. Projects will focus on key locations in the Columbia River and tributaries within Yakama Nation territories. Responsibilities include avian

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dissuasion and depredation, and fish removal via electrofishing, beach seining, or other methods. This position will also be responsible for the development and implementation of research, monitoring & evaluation of predatory and invasive species, the incumbent will develop proposals, grant applications and seek funding opportunities. The Predation and Invasive species biologist will participate in regional predation forums, committees and collaborate with ongoing projects. The incumbent will develop annual work plans, annual budgets, data analysis and timely reporting on projects, and permits. The incumbent will provide daily supervision of technical staff. Writes quarterly and annual reports to fulfill contract obligations. Coordinate implementation with State, Federal and Tribal biologists as needed. **Closes 6/7/23**

SE Alaska Regional Invasive Plant Coordinator

Job Title: Invasive Plant Coordinator

Application Closing Date: Open Until Filled

Remuneration: \$55,000-\$70,000 per year, depending on experience, exempt FTE with leave policy, plus medical & dental package, retirement stipend after first year of employment.

Location: Juneau, AK (Other SE AK communities will be considered on a case-by-case basis).

The Southeast Alaska Watershed Coalition (SAWC) is a nonprofit organization that fosters partnerships and inspires Southeast Alaskans to steward our watersheds through participatory projects, research, and learning.

Position Scope: Are you an experienced biologist who wants to pursue your professional goals as part of a fun and productive team? Are you tired of agency bureaucracy? Craving flexibility? Does your creative spirit need to be unleashed? Consider joining SAWC. We are a small but growing non-profit watershed organization with a professional staff of 5 full-time employees. With an expanding program of work, we are looking to add new capacity in the form of a Regional Invasive Plant Management Coordinator for Southeast Alaska. For more information or to apply, please email a cover letter, writing sample, and resume including three references to: John Hudson (john@sawcak.org) or 907-419-4677. Please put "Invasive Plant Coordinator" in the subject line. Applications will be considered on a rolling basis.

Aquatic Invasive Species Technician I – Utah

The Utah Department of Natural Resources, Division of Wildlife Resources, has seasonal positions (no benefits) available throughout the state (locations are listed below). This appointment will start in April or May and will last through August or the end of October. Open until filled

Invasive Plants Survey Technician (USFS Humboldt-Toiyabe)

Great Basin Institute Austin, Nevada, United States (On-Site)

The Great Basin Institute, in cooperation with the U.S. Forest Service Humboldt-Toiyabe National Forest, is recruiting (15) AmeriCorps Invasive Plants Survey Technicians to participate in non-native, invasive plant species survey, treatment, and monitoring for the forest's noxious weed control program. The primary focus of this position will be the manual and chemical treatment of invasive and noxious weeds. Most of this work is conducted using backpack sprayers, UTV's, and large 4WD spray vehicles traveling on remote 4WD roads. Appropriate personal protective equipment will be supplied by the Forest Service and always utilized by Technicians. A tablet with FieldMaps, Avenza Maps, and EDDMapS West will be used to record plant populations. A Garmin InReach device will be provided for added safety measures.

Primary duties:

- Treat invasive plant infestations (Treatments primarily involve using herbicides, but may also be accomplished by hand-pulling and/or using hand tools, power tools, mowers, and other standardized control methods);
- Identify non-native plant species using various field guides and survey methods for target plants;
- Collect data on infestation location and status;
- Accurately record data related to invasive plant treatments according to specific protocols; and
- Perform basic mathematical calculations related to herbicide mixing and applications.

Ecological Education Coordinator 2 Job Announcement

Job Title: Ecological Education Coordinator 2

Office Location: Corvallis, Oregon

Status: Regular, full-time, time limited (1 year) with potential to extend past first year

Compensation: \$25.00/hr. plus benefits

Closing date: **June 20th, 2023.**

Description: The Institute for Applied Ecology (appliedeco.org) is seeking to hire a full-time ecological education coordinator, level 2, to help lead efforts in our ecological education program. This person will be based in Corvallis, OR, though occasional travel will be required.

Grants

Contest: Theodore Roosevelt Genius Prize Competitions

The U.S. Fish and Wildlife Service (Service) is excited to announce the 2023 Theodore Roosevelt Genius Prize Competitions challenges are now open for submissions. You can help the Service reimagine what drives wildlife conservation in the 21st century by participating in the Service's Theodore Roosevelt Genius Prize Competitions. Your innovation might be the catalyst needed to advance conservation.

Provide your individual solution or form a team to address one of these six important conservation challenges that focus on preventing wildlife poaching and trafficking, promoting wildlife conservation, managing invasive species, protecting endangered species, managing nonlethal human-wildlife conflict, and reducing human-predator conflict.

The total prize purse for each of the six focus areas is up of \$100,000 for the winning technology innovation. The Service may recognize additional participants with non-monetary, honorable mention awards. The submission deadline for the competitions is **June 27, 2023**, judging will occur July-August 2023, and winners will be announced in late 2023. The Service is partnering with the National Fish and Wildlife Foundation, which helps administer the competitions.

The Washington State Recreation and Conservation Office, on behalf of the Washington Department of Fish and Wildlife, is soliciting proposals for interagency agreement funding to support response to the ongoing [European green crab emergency](#). Please visit <https://rco.wa.gov/about-us/employment-and-contracts/> for more information about the available funding for public agencies. **(Rolling deadline until funds fully allocated)**
For more information on European green crab and the state response, please visit <https://wdfw.wa.gov/species-habitats/invasive/carcinus-maenas>

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and <https://wdfw.wa.gov/news/emergency-measures-deployed-control-invasive-european-green-crabs-washington-waters>

The Funding Opportunity for the U.S. Fish and Wildlife QZAP FY2023 has officially been posted. The total funding amount for projects is approximately \$2,200,000.00, which is similar to last year. There has been significant change in the application process over the past three years, resulting from our transition to GrantSolutions.gov. **This opportunity will be open for application through June 12, 2023.**

Applications will need to be submitted through grantsolutions.gov, and you will need to create a login and password to access the system. There are recipient tutorials online linked below. Below are the steps you will need to take to access and locate the funding announcement. The funding announcement number is **F23AS00319** and the full title is "F23AS00319 FY2023 Implementation of the Quagga and Zebra Mussel Action Plan (QZAP) in the Western United States - 2023".

Please disseminate this opportunity to all interested parties. Please feel free to reach out to barak_shemai@fws.gov. The opportunity can also be found at grants.gov but applications may NOT be submitted through grants.gov **2023 QZAP GRANT**
PLEASE FOLLOW THESE INSTRUCTIONS AFTER CREATING
A [GRANTSOLUTIONS.GOV](https://grantsolutions.gov) LOGIN AND PASSWORD

- Sign into grantsolutions.gov
- Go to the Funding Opportunities page
- Once there use CTRL + F to search the name of the opportunity "name in full" or "QZAP"
- You should see the QZAP opportunity - Select Apply on the far right

Links to the recipient training videos:

- <https://www.doi.gov/grants/grantsolutions>
- [GS Recipient Training Videos https://home.grantsolutions.gov/home/recipient-training-videos/](https://home.grantsolutions.gov/home/recipient-training-videos/)

Link to general information:

- [FWS GrantSolutions https://doimspp.sharepoint.com/sites/fws-FF09W00000/SitePages/GrantSolutions.aspx](https://doimspp.sharepoint.com/sites/fws-FF09W00000/SitePages/GrantSolutions.aspx)

DO NOT SUBMIT APPLICATIONS THROUGH [GRANTS.GOV](https://grants.gov)

LEGISLATION

Advocacy

State/Provincial

[Michigan a step closer to stricter ballast water rules than feds \(5/18/23\)](#) The 2018 statute was opposed by environmental groups, who said it would bar Michigan from enacting state-specific rules such as tougher controls on ballast water pollution and lead in drinking water, which are more stringent than federal standards.

Federal: Executive

Federal: Congressional

[Senate leaders sprint toward debt limit finish line \(6/1/23\)](#)

There's a growing hope that Majority Leader Chuck Schumer can lock up a timing agreement to pass the bill to raise the debt ceiling before the weekend.

[Rubio Reintroduces Legislation to Prevent Importation of Invasive Species \(5/16/23\)](#)

Limiting the importation of not-previously-traded species before they have been assessed for invasiveness, and restricting the transport of known invasive species in interstate commerce, are two essential tools to slow the increased pressure from invasive species that already strain the financial and human resource response capabilities of both federal and state governments, and burden local economies. U.S. Senator Marco Rubio (R-FL) **reintroduced** the [Lacey Act Amendments of 2023 \[S.1614\]](#) to address oversights in existing legal authority to prevent the importation of potentially-invasive species.

- “Florida is home to delicate ecosystems, and sadly, we have seen firsthand how ecologically devastating invasive species can be. Invasive species, including the Burmese python, Argentine tegu lizard, Giant African snail, and many others, threaten to decimate Florida’s native plants and animals. We must prevent the introduction of new, injurious species. I am proud to reintroduce this legislation, which would provide new tools for fighting invasive species. I remain committed to championing legislation that protects, improves, and restores Florida’s water quality and environment so that Florida’s ecosystems can be preserved for generations to come.” – **Senator Rubio**

The legislation would correct the negative impacts of a 2017 D.C. Circuit Court of Appeals decision that diminished the ability of the U.S. Fish and Wildlife Service to manage the

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establishment and spread of invasive species in the United States. The bill would also grant authority for emergency designation of species that pose an imminent threat and provide authority to prohibit importation of wildlife species until they have been assessed for injuriousness. The Commerce Clause of the U.S. Constitution charges Congress with regulating commerce between the states and with foreign nations.

Want more information?

- March 2021: [Rubio, Schatz Introduce Legislation to Prevent Invasive Species](#)

Reaction:

According to Association of Fish and Wildlife Agencies (6/1/23) [who generally supported the bill in the last congress]: “U.S. Senator Marco Rubio (R-FL) reintroduced the Lacey Act Amendments of 2023 to address oversights in existing legal authority to prevent the importation of potentially-invasive species. The legislation would correct the impacts of a 2017 D.C. Circuit Court of Appeals decision that diminished the ability of the U.S. Fish and Wildlife Service to manage the establishment and spread of invasive species in the United States. The bill would also grant authority for emergency designation of species that pose an imminent threat and provide authority to prohibit importation of wildlife species until they have been assessed for injuriousness. The Commerce Clause of the U.S. Constitution charges Congress with regulating commerce between the states and with foreign nations.”

According to national Aquaculture Association [who opposes the bill]: “...The legislation is not needed and would stop or severely impede import and interstate trade in live aquatic animals. We oppose the S. 1614 for:

- empowering the Secretary of Interior (Secretary) to prohibit the interstate movement of nonnative or native animals within the continental United States
- empowering the Secretary to list a species under emergency rule for a three-year period *without due process* involving advance notice, opportunity to comment, public hearings, etc.
- empowering the Secretary to create, with public comment, an approved list of species for importation.

We recommend the current Lacey Act can be improved by:

Adopting the unbiased, science-based risk analysis process described in *Science and Decisions: Advancing Risk Assessment* published by the National Research Council. Publicly posting and maintaining in real-time tribal, state, and federal nonnative species regulations so that the public (domestic owners and producers and foreign visitors and importers) could be informed as to these current and everchanging regulations. Provide funding to the states, tribes, territories and possessions to improve their risk analysis capabilities and capacities to refine their restrictions or prohibitions. “

Federal: Appropriations

[House Republicans cancel markups for spending bills amid debt ceiling talks \(5/23/23\)](#)

The GOP-led Appropriations Committee had previously been set to meet Tuesday morning to hold markups for the fiscal 2024 military construction, veterans affairs and legislative branch bills. ...there is suspense around Capitol Hill as to what the House GOP's proposed roadmap to cut spending will be, with more funding bills coming down the pike in the weeks ahead

Canada:

[Federal invasive species fund opens to new projects \(5/26/23\)](#)

The federal government is set to begin accepting proposals to spend the remaining money in a multimillion-dollar fund aimed at fighting invasive species across Canada.

Fisheries Minister Joyce Murray says the \$8.75-million Aquatic Invasive Species Prevention Fund is aimed at raising public awareness and working to stop the threat of non-native freshwater and marine species.

EVENTS

Archived Events:

Ongoing Training Opportunities:

Watercraft Inspection Training

Virtual (TBA):

- Virtual WIT or Level 1 – Inspector Training (2 days - 8 am – Noon PST)
<https://www.westernais.org/level-1-inspector-training>
- WIT or Level 2 – Inspector & Decon Training (3 days – 8 am – Noon PST)
<https://www.westernais.org/level-2>
- WIT or Level 3 – Trainer Training (3 days- 9 am – 4pm PST)
<https://www.westernais.org/le>

In-Person:

TBA

[DOI Invasive Species Training Opportunities Spreadsheet](#)

[PNW IPC Citizen Science Trainings](#)

[InvasivesU – NAISMA](#) - InvasivesU is NAISMA's exclusive online learning library intended to provide professionals, students, and interested individuals with the knowledge and tools necessary to prevent and manage invasive species in North America. NAISMA experts have thoughtfully curated and developed this content, especially for you!

Calendar of Events

June

NC RISCC spring 2023 webinar series June 2, 2023, 10 - 11 am (MT): [NEDRRIS. presented by Amy Wray \(USGS\)](#)

[NAISMA's 5th annual PlayCleanGo Awareness Week](#): June 3rd-10th. Don't forget to mark your calendars and make a plan to get involved! You can find a free PlayCleanGo Awareness week toolkit to share with your network. Our goal is to reach over 500,000 with this year's campaign. To do this we are partnering with USDA APHIS, Hungry Pests, Don't Move Firewood, and YOU to expand the campaign's reach. Let everyone know how recreation and invasive species prevention go hand in hand.

On behalf of the Flathead Lake Biological Station and MT Fish, Wildlife & Parks, with generous support from the Montana Invasive Species Council and MT Natural Resources and Conservation, you are cordially invited to an early detection and monitoring training for the management of aquatic invasive species. We have scheduled this two-day training for Monday June 5th at the Flathead Lake Biological Station (Polson, MT) from 10:00 AM to 4 PM, and Tuesday June 6th (field day) on the beautiful Flathead Lake at Bigfork, MT and on the Swan River (east of Bigfork) from 10:00 AM to 2:00 PM. To join us, please RSVP for this in-person training to Phil Matson at <mailto:phil.matson@umontana.edu> by May 20th.

Hello people who potentially handle chemicals as part of your job, or might know someone who does, or makes regulatory decisions about chemical use. I am excited to offer you the opportunity to learn about a new risk management tool. [HazEL](#) is a New Zealand based company whose mission is to reduce chemical harm and is expanding their positive reach to the US. This information session will be an introduction to the risk management tool they provide and allow you to ask questions of this emerging resource. As an example of their work I have attached a recent draft report HazEL has created for a company working with insecticides.

Presenter: [Dr Kate Bromfield](#)

When: June 6th at 2pm Pacific Time

Where: Zoom [\[click here to enter meeting\]](#)

Please pass this on to your colleagues and networks who might be interested, i.e. anyone working with chemicals (e.g., weed managers) or making decisions about chemical use. No RSVP necessary but if you would like updates, in the event of a time change, then contact Alice Yeates at alice.yeates@dsl.oregon.gov

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Columbia River Basin (CRB) Team: The next meeting of the 100th Meridian Initiative Columbia River Basin AIS Team will be held June 6-7, 2023 at the SpringHill Suites in Boise, Idaho. Register online here. Hotel rooms can be reserved at government per diem rates until May 22, 2023. Contact Amy Stark for further information @ astark@psmfc.org

NAISMA Webinar Series

June 21, 2023 @ 1:00 pm - 2:00 pm CDT Webinar: Advancing International Invasive Species Prevention Efforts and Developing a Model Legal Framework for Noxious Weed Programs

EUCI TRAINING: Zebra and Quagga Mussel Mitigation

June 26-27, 2023 | Online :: 9:00am-4:00pm Central Time

July

32nd PNWER Annual Summit July 16 – 20, Boise, ID

All are welcome to virtually attend the next ANS Task Force Meeting July 18-19, 2023. More information can be found here.

NAISMA Webinar Series

July 19, 2023 @ 1:00 pm - 2:00 pm CDT Webinar: Using People Powered Restoration to Manage Invasive Species in an Urban National Park

Register today for the AIS in Commerce virtual summit July 25

July 25, 2023, 11am-2pm Pacific Time. This 3-hour summit identified gaps and issues and set the stage to develop strategies and actions to minimize risks posed by aquatic plants and pets in commerce. Expert presenters and panelists shared information on ecommerce, monitoring and inspection, labeling and recordkeeping, regulations and enforcement, voluntary industry standards, and outreach associated with plants and animals in trade. The summit concluded with the launch of seven work groups to collaboratively develop actionable items to minimize the spread of aquatic invasive species in commerce. Link to register for summit:

<https://attendee.gotowebinar.com/register/8698148957640258909>

August

Ecological Society of America 2023 Annual Meeting in Portland, Oregon August 6-11, 2023.

NAISMA Webinar Series

August 16, 2023 @ 1:00 pm - 2:00 pm CDT Webinar: Introduced Plant Pathogens Threatening North American Forests

Invasive Species Advisory Committee August 15, 2023; Virtual

American Fisheries Society 153rd Annual Meeting August 20-24, 2023 | Grand Rapids, Michigan

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September

The 2023 [Western Regional Panel Annual Meeting](#) will be September 20-21 in Salt Lake City, Utah.

[Association of Fish & Wildlife Agencies 113th Annual Meeting](#) September 24-27, 2023; Calgary, Alberta

October

[North American Invasive Species Management Association's 31st Annual Conference](#) October 16-19, 2023; Lincoln, Nebraska

2023 Montana Lakes Conference, October 18-20. The theme for the conference is [“Montana Lakes at Risk; Challenges and Opportunities.”](#) Whitefish, MT

Save the date: 2023 Oregon Aquatic Invasive Species Summit which will be held on October 24th in Salem, OR. Oregon Department of Agriculture and Washington State Department of Agriculture recertification credits are anticipated for attendees (pending approval). Topics will include:

- Techniques and timing with treatments
- Aquatic planting strategies
- Ludwigia Synthesis study
- Economic impact of AIS on local communities
- Roundtable discussions on defining success and conversation with our contractors
- AIS case studies
- Mapping efforts and much more!

November

[Coastal and Estuarine Research Federation \(CERF\) 2023: Resilience & Recovery](#) Portland, Oregon, USA | 12–16 November 2023

December

[Wild Spotter Invasive Species Ambassador Training Course December 5-7, 2023](#)

This intensive training will include building relationships, partnerships and engaging stakeholders; branding and marketing programs; using innovative tools and technologies; and volunteer citizen-science coordination, recruitment, and retention to meet invasive species management goals and expand local community capacity for action. This gathering will have limited attendance through a merit selection process. Please apply at <https://invasivesfree.org>. Priority will be given to participants who can demonstrate their commitment to building invasive species management capacity within their community.

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2024

May

The [23rd International Conference on Aquatic Invasive Species](#) will take place in Halifax, Nova Scotia, Canada, from May 12 – 16, 2024. The conference theme is ‘Meeting Challenges with Innovation’. The International Conference on Aquatic Invasive Species addresses emerging freshwater, marine and estuarine AIS issues by involving scientists, policymakers, practitioners, and industry professionals in the presentation of research, and opportunities for collaboration on research and management projects. Stay tuned for more details.

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