



Aquatic Invasive Species News

March 09, 2023

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RECOMMENDED READING

[The 2023 America the Beautiful request for proposals is now open!](#)

There is a TON of nationwide funding offered this year—\$116,000,000 is available for states, non-profits, CWMAs, tribal nations, city/county governments, etc. This is a great opportunity for collaborative, large-scale conservation and restoration projects across multiple jurisdictions. Please share widely with your partners and networks!

For more information: <https://www.nfwf.org/programs/america-beautiful-challenge/america-beautiful-challenge-2023-request-proposals>

Important dates:

- Applicant Webinar: Thursday, March 9, 2023, 2:00 PM – 4:00 PM Eastern Time – [Register here](#)
- Pre-Proposal Due Date: Thursday, April 20, 2023, by 11:59 PM Eastern Time
- Full Proposal Due Date (by invitation only): Thursday, July 20, 2023, by 11:59 PM Eastern Time

PUBLIC COMMENT

New: Join the USGS Nonindigenous Aquatic Species (NAS) Database as we hold two open webinars to discuss upcoming improvements to the Database. During this webinar, the NAS team will present our ideas on modernizing the Database. Then, we

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will open the floor to comments and suggestions from our users and stakeholders on any new features they want to see on the website. Please use this link to sign up for either webinar time: **March 23rd at 3 pm (EST) or March 24th** at 2 pm (EST).

<https://forms.office.com/g/4picXW4pSp>

The U.S. Environmental Protection Agency (EPA) is announcing its [intent to develop a Supplemental Notice to the Vessel Incidental Discharge National Standards of Performance](#) proposed rule. EPA anticipates that the Supplemental Notice will provide clarification on the proposed rule, share new ballast water data that EPA is receiving from the U.S. Coast Guard, and discuss additional regulatory options EPA is considering for the final rule. EPA intends to sign the Supplemental Notice in the Fall of 2023 and make it available for public comment in the Federal Register shortly thereafter. During the comment period, EPA will solicit comments specific to the issues identified in the Supplemental Notice. EPA anticipates that the final rule addressing public comments received on both the proposed rule and the Supplemental Notice will be signed for publication in the Fall of 2024. This schedule will be reflected in the 2023 Spring Semi-Annual Regulatory Agenda.

Information on the Vessel Incidental Discharge Act (VIDA) and EPA's proposed rule are available on EPA's website at <https://www.epa.gov/vessels-marinas-and-ports/commercial-vessel-discharge-standards>

The Assistant Secretary of the Army for Civil Works and the U.S. Army Corps of Engineers will conduct a 60-day public comment period to provide an opportunity for the public to give input and recommendations on the implementation of any provision contained in the WRDA of 2022.

The public comment period will be held from **January 20 through March 21, 2023**. You may submit comments, identified by Docket ID No. COE-2023-0002, by any of the following methods: Federal eRulemaking Portal: [http:// www.regulations.gov/](http://www.regulations.gov/)

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>

[B.C.] [B.C. diver finds horseshoe crab: 'I knew immediately it wasn't supposed to be here' \(2/22/23\)](#)

[Colorado] [Faxonius virilis \(Virile Crayfish\)](#) was found in Bear Creek Lake [[USGS NAS](#)]

[Minnesota] [Invasive spiny water flea found in another Boundary Waters lake \(2/20/23\)](#)

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[Oregon]

Potentially invasive Cuban tree frog found for the second time in Oregon (2/28/23)
Procambarus clarkii (Red Swamp Crayfish) was found in Rogue River [USGS NAS]

[Texas] *Hydrilla verticillata* [dioecious] (dioecious hydrilla) was found in Lake Crockett [USGS NAS]

WATCH LIST

Green Crab:

- 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.

[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](#)

DREISSENID MUSSELS

[Parks Canada monitoring for zebra mussels \(2/25/23\)](#) Parks Canada says genetic traces of zebra mussels found in a recent water sample taken from Clear Lake aren't cause for undue concern.

[Wyoming Game and Fish plan set for aquatic invasive species threat \(2/28/23\)](#)
Wyoming Game and Fish Department officials have been working to mitigate the threat of the destructive mussel, which could cause significant damage to Wyoming waterways.

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[How Australia Managed to Eradicate its Black Striped Mussel Infestation \(3/2/23\)](#)
Several hundred tonnes of liquid sodium hypochlorite (chlorine) was needed for successful treatments.

[One tiny zebra mussel was found in a Colorado reservoir. It will be 5 years before the water gets an all-clear \(3/3/23\)](#) Aquatic biologists began spraying to kill the invasive species at Highline Lake State Park on Wednesday. Park managers are worried decontamination procedures will kill boat traffic.

Related

[Progress on the mussel infestation at Highline Lake \(3/8/23\)](#)

[Additional invasive zebra mussels found at Highline Lake State Park](#)

[\(10/25/2022\)](#)

[Colorado Parks and Wildlife finds evidence of zebra mussels in Highline Lake \(9/16/22\)](#)

Counihan TD, DeBruyckere L, Bollens SM, Phillips S, Thom T, Shemai B (2023)
[Identifying research in support of the management and control of dreissenid mussels in the western United States.](#) Management of Biological Invasions 14 (in press)

BOAT INSPECTION/DECON

[Montana Fish, Wildlife and Parks preparing for watercraft inspection station season \(3/7/23\)](#) Some boat inspection stations will open in early March

BALLAST WATER/BIOFOULING

[The Minister of Transport launches new program to further prevent aquatic invasive species in the Great Lakes and St. Lawrence River regions \(2/22/23\)](#) Through Canada's Oceans Protection Plan, the Government of Canada is ensuring the safe movement and navigation of large and small vessels while limiting risks to our marine ecosystems.

[Ballast Water Treatment System – A Boon For Many, A Menace For Some \(2/28/23\)](#)

MARINE

[Battle against European green crab infestation underway off Canadian coast \(2/21/23\)](#)
The situation resembles that of the US Pacific Northwest, where Washington state is spending \$11m...

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[WA preparing to protect marine life against invasive green crab \(2/22/23\)](#) “European green crabs are one of the worst invasive species,” Brian Turner with WDFW told KIRO Newsradio. “They can survive in colder and warmer temperatures, and they also reproduce very quickly.” [Related: WDFW European green crab updates](#)

[Metlakatla on front lines of green crabs' invasion into Alaska \(2/25/23\)](#) Invasive green crabs are making landfall in Southeast Alaska, and experts are working against a potential population explosion. Related: [Search continues for invasive green crab around Annette Island](#)

AQUACULTURE

[Canada denies salmon farm license renewals in Discovery Islands, BC \(2/21/23\)](#) The Department of Fisheries and Oceans (DFO) Canada announced on 17 February it will not renew licenses for 15 open-net pen Atlantic salmon farms in the Discovery Islands, located in British Columbia, Canada. Related: [Mowi considers 'legal options' over Canada's decision not to renew licenses in British Columbia](#)

[Scientists criticize DFO study downplaying link between salmon farms and sea lice on wild salmon \(2/23/23\)](#) A Canadian government study downplaying established links between sea lice at British Columbia’s salmon farms and wild salmon populations has drawn a strongly-worded rebuttal from a group of university professors and scientists.

[\[Op Ed\] D.C. must stand with SoCal fishermen in fight against industrial fish farms \(2/25/23\)](#) Massive finfish farms directly off the coast of Ventura do not belong in our waters.

[Op-ed: In support of removing open net-pen salmon farms from BC waters \(2/28/23\)](#) The entire west coast commercial salmon fishing fleet and the union which represents the shoreworkers, tendermen, and fishermen have come together in support of removal of open net-pen salmon farms from the waters of British Columbia, Canada.

FRESHWATER

[\[Nevada\] Invasive crayfish species to be removed from ponds at Wetlands Park \(2/21/23\)](#) Clark County officials are working with the Nevada Department of Wildlife (NDOW) to remove an invasive species of crayfish, Australian Red Claw Crayfish, first discovered at Wetlands Park last year.

[How to avoid spreading invasive New Zealand mudsnails in Arizona waterways \(3/1/23\)](#) Dukette instructed anglers on impacted waters to clean and dry gear between each use, removing mud or plants that snails could ride within.

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FISH

[Biologists battle invasive species infesting lower Kansas River \(2/6/23\)](#) Biologists are on the front lines of a battle on and beneath the Kansas River to take two invasive species down a peg.

[Northern Pike Netting Set To Begin On NE WA Waters \(3/1/23\)](#) Annual northern pike suppression efforts are slated to begin soon in Northeast Washington and anglers and local residents are likely to see boats out gillnetting for the unwanted apex predators over the coming weeks and months.

AQUATIC PLANTS

[Why bringing grass-eating carp to Lincoln City, Oregon's Devil's Lake could help tame invasive weeds \(3/2/23\)](#) This isn't the first time the lake has battled this weed before. About 40 years ago, the same weed ravaged the waters and ultimately led to the creation of the district, as well as the introduction of 32,000 sterile, grass-eating carp which eventually died off due to age and predation from sea lions.

[Australian Scientists Release Ancient Enemy To Control Invasive Weed in 'World First' \(3/3/23\)](#) "It is a world first," said Kumaran Nagalingam, senior research scientist at CSIRO, in a statement. "There is no biocontrol program [for cabomba] happening in any other parts of the world."

CLIMATE CHANGE

[Climate change, invasive species and the Great Lakes \(3/3/23\)](#) There is much uncertainty about invasive species and changing climate. What is known is that we're going to see more frequent extreme weather: an increased severity of storms, more floods and prolonged periods of drought. There will be extremes in lake levels, both highs and lows.

OUTREACH AND EDUCATION

[Invasive, non-native and native species explained \(2/28/23\)](#) Simply put, there are three basic categories of tree species: native, non-native and invasive. Knowing where tree

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species fall into these categories may seem like trivial information, but species selection is vital to the health of our overall ecosystem.

[A Silver Lining for Invasive Species \(2/22/23\)](#) Dealing with invasive species can be a real drag. Fortunately, there's a silver lining—it's invasive species scientists!

[Montana council releases invasive species watch list \(2/23/23\)](#) The Montana Invasive Species Council released “Montana’s Invasive Species to Watch List” ahead of National Invasive Species Week.

[Wildlife officials want you to catch and cook ‘fat and juicy’ invasive species in Utah \(2/24/23\)](#) “Since it’s National Invasive Species Awareness Week (#NISAW) it’s a good time to remind you that bullfrogs are invasive to Utah, so you can catch as many as you want,” the Utah Department of Natural Resources said in a Feb. 23 tweet. “And bonus: they’re tasty.”

[Northern Arizona’s species to know this National Invasive Species Awareness Week \(2/26/23\)](#) As the natural distribution of species shifts historically, opportunistic invasive and dramatic climactic changes are contributing to sizable disruptions of native species in Arizona.

[Wildlife Forever Releases 2022 National Report on Invasive Species \(2/23\)](#) Wildlife Forever is proud to release the 2022 Clean Drain Dry Initiative annual accomplishment report. Through applied use of media and community outreach, the public awareness campaign generated a staggering 90 million impressions in 2022.

[CDFW Invasive Species Youth Art And Video Contest Seeks Eco-Influencers \(2/27/23\)](#) This year’s theme, “Think Ahead; Stop the Spread,” encourages students to research ways to prevent the spread and impacts of invasive species and promote actions to protect the environment.

[Angling Ethics and Aquatic Exotics \(2/28/23\)](#) In this educational video from Into the Outdoors Education Network, and sponsored by the Future Angler Foundation (FAF), TakeMeFishing.org, and Discover Boating, our young sleuths get an education about stopping the spread of aquatic invasive plants. Moreover, the video is one of many that also has FREE comprehensive lesson plans for students, fishing clubs, youth groups, or anyone who wants to educate others about fishing and boating ethics.

[Idaho Governor calls attention to invasive species threat \(2/28/23\)](#) Governor Brad Little proclaimed last week, February 20-26, 2023, as National Invasive Species Awareness Week.

OTHER

[Mass seed collection in Oregon designed to protect native trees from invasive species \(2/20/23\)](#) Oregon forestry officials have collected over 900,000 seeds from a native tree species, in an effort to protect against emerald ash borer.

[Florida researchers capture invasive pythons by attaching GPS collars to prey \(2/21/23\)](#) To better find, capture and remove invasive Burmese pythons in Florida's Everglades, a team of researchers is attaching location-tracking collars on animals such as raccoons and opossums that the predatory snakes feed on. Related: [Scouting for Burmese pythons in the Everglades](#)

['Incredibly intelligent, highly elusive': US faces new threat from Canadian 'super pig' \(2/20/23\)](#) Northern states on alert for invasion of cross-bred pig that threatens flora and fauna – and is difficult to stop

[New England researchers optimistic a tiny wasp is turning the tide against emerald ash borer \(2/21/23\)](#) The stingless wasp is tiny – about the size of a mosquito. But scientists have big hopes for it. In Russian forests, this wasp naturally targets and attacks emerald ash borer.

[Good or bad? Some 'invasive species' can help native ecosystems thrive \(2/22/23\)](#) Whether or not invasive species threaten native biodiversity and ecosystems has been a point of debate amongst researchers for years.

[Invasive 'Jesus Christ Lizard' could be harmful to people, Florida's environment \(2/20/23\)](#) A lizard with a unique nickname could be harmful to Florida's environment and possibly harmful to people, according to biologists.

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.

Jobs

The Wyoming Game and Fish Department: WFWWB09-2023-00557-Aquatic Invasive Species (AIS) Specialist-Cheyenne, SALARY: \$4,737.20 - \$5,921.07 Monthly Location: Cheyenne, Closing Date: 04/02/23 11:59 PM.

<https://www.governmentjobs.com/careers/wyoming?keywords=invasive>

The Wyoming Game and Fish Department is seeking to hire an Aquatic Invasive Species Specialist in Cheyenne, WY. The goal of the AIS program is to prevent the spread of AIS

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to and within Wyoming through public outreach, watercraft inspections, and monitoring. This position oversees multiple watercraft inspection stations in southeast Wyoming, hires, trains, and supervises AIS inspectors, conducts local outreach and education programs, conducts monitoring, summarizes data, writes reports, coordinates with local partners, and conducts eradication and control efforts. Human Resource Contact: Laura Curtis 307-777-4507 laura.curtis1@wyo.gov

The Minnesota Department of Natural Resources (MN DNR) is hiring for the position of Aquatic Invertebrate Biologist, the position formerly held by Gary Montz. The MN DNR is looking for someone with knowledge and skills related to all aquatic invertebrates – native and nonnative. Related to the latter, this position works closely with the MN DNR invasive species program, including serving as a subject matter expert on nonnative aquatic invertebrates and collecting and interpreting data on invasive species in the state such as zebra mussels to inform invasive species management in Minnesota. This position has the opportunity to do a mix of research, fieldwork, and answering questions from the public

[Chelan County Natural Resource Department: Natural Resources Seasonal AIS Watercraft Inspector](#)

Job Type: Temporary Full Time

Salary: \$ 20.00 - \$ 23.00 / Hourly

Posted: February 09, 2023

Application Deadline: **March 15, 2023**

Job Location: County of Natural Resources 411 Washington Street, Suite 201 Wenatchee, WA 98801

Chelan County Natural Resource Department seeks one full-time seasonal employee to assist with a voluntary watercraft inspection program for Lake Chelan. Employment can be flexible, with approximate dates between May 1 through October 30, 2023. This position will work closely with Natural Resource staff to support voluntary watercraft inspection and community engagement efforts in high-use marinas around Lake Chelan. This position works mostly outside and interacts with the public. Training for watercraft inspection will be provided, must be willing to drive.

[Penn State: Assistant or Associate Professor of Invasive Species Biology and Management](#) Applications are due by **March 17, 2023**.

The Department of Ecosystem Science and Management (ESM) in the College of Agricultural Sciences at The Pennsylvania State University seeks an Assistant or Associate Professor of Invasive Species Biology and Management. This is a tenure-track position with a 60% research / 40% extension appointment. The position comes with a competitive start-up package and salary based on 36-weeks of service annually, which can be supplemented with additional salary up to a total of 48 weeks from external competitive grants and contracts.

[Washington: European Green Crab Technician - Scientific Technician 2 - 8 Positions -](#)

Career Seasonal - *02979-23 **closes 3/14/2023**

Career Season Length: 7 Months

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April 1 – October 31

Join the WDFW team as a skilled Scientific Technician to protect state waters by managing Aquatic Invasive Species (AIS). These technicians will be on the front lines conducting early detection, monitoring, control, and trapping efforts for European Green Crab (EGC). Become a part of the effort to eradicate and suppress EGC populations that cause ecological effects.

Volunteer Opportunity in Washington: Join Crab Team in 2023!

Washington Sea Grant's Crab Team monitors are gearing up for the eighth full season of early detection and monitoring of invasive European green crab. Tracking green crab populations is an essential tool for effective management - and it's pretty fun!

WHO can join?

Each year, we're able to bring on new volunteers to meet targeted needs of sites within the Crab Team network. No prior experience is necessary, but all participants must be at least 14 years old.

WHAT is being a Crab Team monitor like?

Read about what it's like to be [Boots in the Mud](#) with Crab Team. You can even watch [this summary video](#) to get a flavor of sampling protocols.

WHERE are volunteers needed?

Have you seen the [map of Crab Team sites](#)? We encourage you to find a site(s) you might be interested in joining and consider whether you would be able to travel there two consecutive days each month during the monitoring season (April through September). At this time, we are only bringing new volunteers onto specific teams that need more help. If sites near you are already full, we can keep your information on file for future openings.

WHEN will training happen?

This year's training is divided into four sessions, including 3 virtual sessions (on Zoom) and 1 in-person session. All dates and locations are listed below. In-person sessions will be held indoors this year and occur in several different geographies across the Puget Sound. Event specific details about locations, timing, and recommendations for COVID-19 safety will be shared with trainees.

HOW do I join?

If all of this sounds good, we would love to hear from you. Please fill out [this brief Interest Form](#) (also linked via the button below) and make sure to hit the "submit" button when you're finished. We'll review submissions on a rolling basis and let you know whether we will be able to bring you into our new volunteer training workshops this spring.

[The East Kootenay Invasive Species Council](#) is a non-profit organization based in the East Kootenays, who builds partnerships and supports collaborative projects on the ground, and in natural and applied science, policy research with outreach and education to protect our forests, fields, gardens, waterways and cities from the damaging effects of invasive species.

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- Invasive Species Field Assistant

The Invasive Species Field Assistants are our boots on the ground WEED WARRIORS! Pulling, conducting inventories, reseeding, researching, lake monitoring, data collecting and so much more, all to help reduce invasive impacts throughout the East Kootenays

Deadline to apply is Mar 24

Application to: emma@ekisc.com

- Invasive Species Education Assistant

The Invasive Species Education Assistants are the FACE of EKISC! Raising awareness across the East Kootenays about the negative impacts of invasive species through workshops, courses, interpretive walks + events!

Deadline to apply is Mar 24

Application to: megan@ekisc.com

USDA Animal and Plant Health Inspection Service

Plant Protection and Quarantine Technician (8) Billings (4), Helena (4), Montana

RECRUITMENT NO: MSPHD-022

OPENING DATE: Immediately

The US Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine (USDA, APHIS, PPQ) continues to look for great additions to our summer work force. These positions, based in Billings or Helena, Montana are filled from May 20th to September 30th (or whenever someone has to leave to fulfill other obligations, like college).

Here's a snapshot

4-day work weeks (3-day weekend)

Vehicle and gas provided.

Hotel and Meals and incidental expenses provided.

Employees drive throughout Montana conducting field activities, including:

Placing and servicing insect traps

Collecting and moving beneficial insects that feed on invasive weeds

Survey for rangeland grasshopper densities

And more

[SCA: Invasive Species Strike Team Member](#)

Morris, Minnesota, United States

This position will be part of a four member crew comprising the Morris-Big Stone Strategic Weed Assault Team (SWAT). The crew will be dedicated solely to mapping and treating invasive plant species in high quality and highly threatened prairies across the project area. Work will take place on National Wildlife Refuge System Lands in Morris Wetland Management District, Big Stone National Wildlife Refuge/Wetland Management District, and Northern Tallgrass Prairie National Wildlife Refuge.

Expected Dates: June 12, 2023 - September 29, 2023

[Invasive Species Strike Team Technician](#)

[Catskill Regional Invasive Species Partnership \(CRISP\)](#)

Arkville, New York, United States (Hybrid)

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We are seeking 4 motivated and reliable Invasive Species Strike Team Technicians to join us in controlling invasive species throughout the Catskills this season: Two Aquatic Strike Team Technicians and two Terrestrial Strike Team Technicians. These seasonal Technicians are anticipated to work 37.5 hours/week for 14 weeks, beginning mid-May. The Terrestrial Strike Team will focus control efforts on terrestrial plants and animals. The Aquatic Strike Team will focus efforts in and around lakes, rivers, and streams, working from boats or shore in waders or similar gear.

[Biotech Crew Member \(NPS Invasive Species Early Detection\)](#)

Great Basin Institute Ashland, Oregon, United States (On-Site)

The Great Basin Institute is working cooperatively with the National Park Service Klamath Network (KLMN) Inventory & Monitoring (I&M) program to recruit a Biotech Crew Member for invasive species early detection. The overall objective is to perform surveys of park roads and trails and make observations of invasive species within the Klamath Network parks: Crater Lake National Park (Crater Lake), Lava Beds National Monument (Lava Beds), Lassen Volcanic National Monument (Lassen), Oregon Caves National Monument and Reserve (Oregon Caves), Redwood National and State Parks (Redwood), and Whiskeytown National Recreation Area (Whiskeytown), located throughout northern California and southern Oregon. Data collected will contribute to a multi year dataset aimed at detecting status and trends in park invasive species and is intended to provide decision-makers with location data of prioritized invasive species. Training and oversight will be provided for all duties.

[Invasive Species Member, Long Island National Wildlife Refuge Complex American Conservation Experience](#)

Shirley, New York, United States (On-Site)

American Conservation Experience (ACE), a non-profit conservation corps, in partnership with the U.S. Fish and Wildlife Service (FWS), is seeking TWO Shorebird Monitoring and Biology Support Members to contribute to the biology program alongside Long Island National Wildlife Refuge Complex Staff.

For more information about ACE, please visit: www.usaconservation.org.

Start Date: May 22, 2023 Estimated End Date: September 22, 2023

[Cattail Treatment Research Technician Minnesota Department of Natural Resources](#)

Bemidji, Minnesota, United States (On-Site)

The DNR is currently seeking a temporary Natural Resources Technician. The technician will assist with a research project evaluating vegetative responses and responses by waterfowl after cattails are treated in Minnesota wetlands. Invasive cattails form dense monotypic stands, displacing native aquatic plants and impacting fish, amphibians, and wetland birds via changing habitat structure and displacing food resources. A common management goal to benefit waterfowl is a 50:50 ratio of emergent vegetation to open water (“hemi-marsh”). The technician will assist the Research Scientist 2 and other project personnel in field and lab work, including conducting waterfowl pair surveys, invertebrate sampling, waterfowl brood surveys, and emergent vegetation surveys. The position will be based at the Wetlands Research Group office in Bemidji, MN, with travel to field sites.

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The anticipated dates for this temporary position are April 3, 2023 through September 29, 2023.

[Invasive Species Member Rydell and Glacial Ridge National Wildlife Refuges American Conservation Experience](#)

Erskine, Minnesota, United States (On-Site)

American Conservation Experience, a nonprofit Conservation Corps, in partnership with the U.S. Fish and Wildlife Service (FWS), is seeking one Invasive Species Member to contribute to work alongside Rydell and Glacial Ridge National Wildlife Refuge Staff. During this term, the ACE members will work on meaningful conservation projects such as invasive species inventory and removal.

Start Date: May 2023 Estimated End Date: September/October 2023

[Invasive Species Members- Modoc National Wildlife Refuge American Conservation Experience](#)

California, United States

Invasive Species Members- Modoc National Wildlife Refuge

American Conservation Experience, a Nonprofit Conservation Corps, in partnership with USFWS is seeking TWO Invasive Species Members to contribute to invasive plant management projects alongside Modoc NWR staff.

For more information about ACE, please visit: www.usaconservation.org.

Start Date: May 8th, 2023, End date 14 weeks later.

[Invasive Species Mapping Member Pixley National Wildlife Refuge American Conservation Experience](#)

Earlimart, California, United States (On-Site)

American Conservation Experience (ACE), a non-profit conservation corps, in partnership with the U.S. Fish and Wildlife Service (FWS), is seeking ONE Invasive Species Mapping Member to contribute to the invasive species mapping program project alongside Kern National Wildlife Refuge Complex Staff.

For more information about ACE, please visit: www.usaconservation.org.

Start Date: April 17, 2023

Estimated End Date: November 11, 2023

Grants

[Notice of Request For Quotes \(RFQ\) Announcement for Aquatic Invasive Species Dive Services](#)

Tahoe Regional Planning Agency is seeking quotes for on-call aquatic invasive species control and surveillance dive services. View the RFQ here:

<https://www.trpa.gov/contact/request-for-proposals/>

TRPA anticipates the following schedule, which is subject to change:

Bidding Firms' Questions Due: February 21, 2023

Questions and Answers posted to www.trpa.gov: February 24, 2023

Deadline for Proposal Submissions: **March 15, 2023**

Commencement of Work: April 15, 2023

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[2023 National Coastal Resilience Fund Request for Proposals](#)

The National Fish and Wildlife Foundation, in partnership with NOAA, the U.S. Department of Defense, Occidental, Shell, and TransRe, is now soliciting pre-proposals or the 2023 National Coastal Resilience Fund.

NFWF will award up to \$140 million in grants to create and restore natural systems in order to increase protection for communities from coastal hazards, such as storms, sea- and lake-level changes, inundation, and coastal erosion, while improving habitats for fish and wildlife species. NFWF prioritizes projects that are community led or incorporate direct community engagement and benefit underserved communities facing disproportionate harm from climate impacts.

How to Apply: **Pre-proposals must be submitted through NFWF Easygrants system no later than Wednesday, April 12, 2023.** An informational webinar has been scheduled for Thursday, March 2, 2023 3:00-4:30pm ET to provide an overview of the National Coastal Resilience funding opportunity. Applicants are strongly encouraged to participate and can register to attend the webinar.

Learn More: For more information or questions about this RFP, please contact Jessica Grannis (Jessica.Grannis@nfwf.org) or Arielle Mion (Arielle.Mion@nfwf.org).

California State Parks Division of Boating and Waterways (DBW) will accept applications for the [2023 Quagga and Zebra Mussel Infestation Prevention Grant Program](#): **April 10, 2023 - May 19, 2023**, subject to available funds.

Minimum Eligibility Requirements:

1. Grant applicant must own/manage any aspect of the water in a reservoir where recreational activities are permitted.
2. The reservoir must be open to the public.
3. Grant applicant must demonstrate that the reservoir is uninfested with dreissenid mussels. To demonstrate that the reservoir is uninfested, applicants must provide mussel monitoring data collected since March 2022. Monitoring data can be from surface surveys, artificial substrates, and plankton tows.

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

LEGISLATION

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Advocacy

[National Congress of American Indians calls for offshore wind moratorium \(2/24/23\)](#)

The Biden administration is rushing to build out offshore wind farms. Tribes want to make sure they're not sidelined or steamrolled in the process.

State/Provincial

[Florida officials taking 'bold steps' to prevent new invasive species \(2/22/23\)](#) Whether or not residents can tell which species are invasive, the Florida Fish and Wildlife Conservation Commission is taking "bold steps" to prevent new invasive from calling the state home.

[Michigan, Illinois propose \\$114M toward invasive carp fortifications \(2/22/23\)](#) The governors of Michigan and Illinois are proposing to jointly pay \$114 million toward an infrastructure project that would stop invasive silver and bighead carp from moving into the Great Lakes via Chicagoland waterways.

68th Montana State Legislature

Helena welcomes Montana's 100 representatives and 50 senators to the Capitol City. Information about the session can be found here - [Session Information](#)

Bills MISC [[Montana Invasive Species Council](#)] is following:

- HB 34 - [Exempt certain DNRC grants from MEPA](#)
- HB 84 - [Revise laws related to treatment of garbage fed to swine](#)
- HB 86 - [Remove sunset from MT Wildlife Habitat Improvement Act \(WHIP\)](#)
- HB 93 - [Eliminate noxious weed seed free forage advisory council](#)
- SB 28 - [Provide funding for conservation districts](#)
- SB 83 - [Create western Montana Conservation Commission](#) [**Passed Senate, 49-0, 2/6/23, 3/13: House Natural Resources Hearing scheduled**]
- SB 88 - [Exempt lifetime fishing licenses for the blind from AIS pass](#)

Unintroduced bills still in draft form

- LC 0230 - Transfer Montana Aquatic Invasive Species Act to DNRC
- LC 1721 - Generally revise pesticide disposal laws
- LC 1853 - Generally revise aquatic invasive species laws
- LC 3469 - Referendum to repeal Art. IX, section 6 of MT Constitution
- LC 3470 - Make Art. IX, sec 6 of MT Constitution statutory
- LC 3999 - Revise laws related to certain mussels

Federal: Executive

[Breaking Down Biden's Budget: Here's What's In It \(3/9/23\)](#)

[The Budget Request](#) Calls For a request for \$688 billion in base discretionary funding for nondefense programs, up 7.3 percent from the previous fiscal year.

Also see: [Budget of the U.S. Government Fiscal Year 2024](#)

Federal: Congressional

Recovering America's Wildlife Act (RAWA) (3/9/23)

Good progress has been made on a bipartisan payfor that would be included in the Senate version of Recovering America's Wildlife Act. In addition, a handful of potential language amendments are being discussed prior to bill introduction. Given early bipartisan support for the payfor, including support by Senate leadership, as well as a very positive initial CBO score - there is reason for optimism. We are hearing introduction could occur in the Senate as soon as early March, but we don't have firm date. Once the payfor has obtained bipartisan agreement, the Bill's sponsors will begin adding cosponsors. Again, as in the 117th, the intent is to have robust bipartisan support upon introduction. We have been asked to be ready to engage once we get word from the Bill cosponsors. March could be a busy month for Recovering in the Senate! [Source: *AFWA Invasive Species News March 2023*]

Federal: Appropriations

EVENTS

Archived Events:

The Feb. 22 Invasive Species Awareness Week webinar on European green crab in Washington recording is now [available](#).

Ongoing Training Opportunities:

Watercraft Inspection Training

Virtual:

- Virtual WIT or Level 1 – Inspector Training (2 days - 8 am – Noon PST)
<https://www.westernais.org/level-1-inspector-training>

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- WIT or Level 2 – Inspector & Decon Training (3 days – 8 am – Noon PST)
3 classes available in 2023
<https://www.westernais.org/level-2>
- WIT or Level 3 – Trainer Training (3 days- 9 am – 4pm PST)
3 classes available in 2023
<https://www.westernais.org/le>

In-Person:

May 2-4 – North Dakota

Classes do fill up quickly and registrations will close, so if you are planning to attend or send students, it is recommended to get registrations in soon.

For more information go to <https://www.westernais.org/> (under the “Training” tab) or contact Quagga D @ (702)236-3814 or quaggadee@cox.net

U.S. Fish and Wildlife Service Training Announcement

Train the Trainer: Hazard Analysis and Critical Control Point (HACCP) Planning to Prevent the Spread of Invasive Species.

This course will be held April 4-5, 2023 in Albuquerque, New Mexico at the USFWS Regional Office, 5th Floor Conference Room.

Course Description: HACCP Train the Trainer: Hazard Analysis and Critical Control Point (HACCP) planning is a structured process that assesses a natural resource management activity, identifies possible risks, and facilitates removal or reduction of non-target species. HACCP is a five-step process of 1) Activity Description, 2) Activity Flow Chart, 3) Identify potential Non-Targets, 4) Non-Target Analysis Worksheet, and the 5) Non-target Risk Assessment Plan (NTRAP). This course will provide participants with the tools (instructional, presentation and classroom management skills) needed to deliver a HACCP course.

Prerequisite: It is required that you have taken the 2-day HACCP course. There are several courses planned prior to this training, and there may be an opportunity to complete this prerequisite prior to the training. Please contact Barak Shemai to inquire.

To Register: Email barak_shemai@fws.gov with the following information: Name, Agency, Work Location, contact phone number, and contact email.

[DOI Invasive Species Training Opportunities Spreadsheet](#)

[PNW IPC Citizen Science Trainings](#)

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[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

March

[Theodore Roosevelt Genius Prize Advisory Council Meeting \(3/9/23\)](#) The Council's purpose is to advise the Secretary of the Interior regarding any opportunities for technological innovation in the six focus areas: preventing wildlife poaching and trafficking, promoting wildlife conservation, managing invasive species, protecting endangered species, nonlethally managing human-wildlife conflict, and reducing human-predator conflict.

[ISAN Webinar: Lessons Learned: Pet Rehoming Efforts in the US](#) Mon, Mar 13, 2023
12:00 PM - 1:30 PM PDT

Collaborative Conservation and Adaptation Strategy Toolbox (CCAST) presents:
[Comparing in situ Detection of Invasive Zebra Mussels \(*Dreissena polymorpha*\) Using Environmental DNA and Detection Canines in Texas Reservoirs](#)

Date: Wednesday, March 15th, 2023

Time: 10:00 AM Pacific/11:00 AM Mountain/12:00 PM Central

Presenters: Debi Deshon, Mussel Dogs, and Matthew Barnes, Texas Tech University

Zoom Webinar Registration:

<https://arizona.zoom.us/meeting/register/tZAKdO6rqTsrG9aciNjMyVWnlGDb6fOoSv39>

North American Invasive Species Management Association Webinar Series

March 15, 2023 @ 1:00 pm - 2:00 pm CDT: Webinar: [Preventing the Spread of Invasive Species through PlayCleanGo and WorkCleanGo](#)

The next meeting of the [Pacific Ballast Water Group \(PBWG\)](#) will be March 28-29, at the DoubleTree, Seattle Airport. We anticipate the meeting starting at 9:00 am PDT on Tuesday, March 28 and ending ~ @ 12 pm on Wednesday March 29.

The meeting will have a virtual option.

Registration and Hotel details will be coming shortly.

Agenda recommendations are welcome. Email [Amy Stark](#) for details.

[2023 Invasive Species Workshop and Webinars for Tribal Audiences](#)

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Register below for a 2023 update on invasive species in the Pacific Northwest in an online workshop and webinar series for Tribal audiences. The events are organized by Washington State University, The Washington Invasive Species Council, USDA APHIS, and Bureau of Indian Affairs. The schedule is tentative and may change as we confirm speakers. Updates will be emailed to registrants as the event date approaches. More information can be found [HERE](#).

Tentative schedule below (all sessions online):

- March 28, 2023 (8:00am – 12:00pm) – Online Workshop – Impacts, Management, and Resources for Tribes – Day 1
- Session 1 – Invasive species overview and priorities in the PNW
- Session 2 – Impacts of invasive species on cultural resources
- March 30, 2023 (8:00am – 12:00pm) – Online Workshop – Impacts, Management, and Resources for Tribes – Day 2
- Session 3 – Invasive species management in the PNW
- Session 4 – Resources and funding for Tribal Nations
- April 4th, 2023 (9:00-10:30am) – Webinar 1 – Wildlife and Plant Diseases of Tribal concern in the Pacific Northwest
- April 11th, 2023 (9:00-10:30am) – Webinar 2 – Aquatic Invasive species of Tribal concern in the Pacific Northwest
- April 18th 2023 (9:00-10:30am) – Webinar 3 – Invasive insect pests of Tribal concern in the Pacific Northwest
- April 25th 2023 (9:00-10:30am) – Webinar 4 – Invasive plants of Tribal concern in the Pacific Northwest

April

[Urban Ecosystem Research Consortium \(UERC\) 2023 Symposium](#) 21st Annual Urban Ecology Symposium 2023. Hosted by the Urban Ecosystem Research Consortium. Tuesday, April 4, 2023 Portland, Oregon

[Gulf and South Atlantic Regional Panel Spring Meeting April 25-2, 2023; Jekyll Island, Georgia](#)

May

[11th International Conference on Marine Bioinvasions](#) May 15 – 19, 2023; Baltimore, Maryland

June

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

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Boise, Idaho. Registration information will be available closer to that date. Contact Amy Stark for further information @ astark@psmfc.org

July

[32nd PNWER Annual Summit](#) July 16 – 20, Boise, ID

August

[Ecological Society of America 2023 Annual Meeting](#) in Portland, Oregon August 6-11, 2023.

[American Fisheries Society 153rd Annual Meeting](#) August 20-24, 2023 | Grand Rapids, Michigan

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

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

November

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

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’. Stay tuned for more details.

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sphillips@psmfc.org. AIS NEWS was compiled by Robyn Draheim

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(robyndraheim@gmail.com) and Stephen Phillips. Past issues of AIS NEWS can be found @ <https://www.westernais.org/western-ais-news>

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