



## ***AQUATIC INVASIVE SPECIES NEWS***

05/17/22

[PUBLIC COMMENT](#) \* [NEW SPECIES](#) \* [DREISSENIID MUSSELS](#) \* [BOAT INSPECTION/DECON/TECH NEWS](#) \* [BALLAST WATER/BIOFOULING](#) \* [MARINE](#) \* [AQUACULTURE](#) \* [FISH](#) \* [AQUATIC PLANTS](#) \* [FRESHWATER](#) \* [CLIMATE CHANGE](#) \* [OTHER](#) \* [JOBS/GRANTS](#) \* [FEDERAL/STATE/PROVINCIAL LEGISLATION, RULES, ACTIONS](#) \* [TRAININGS, WEBINARS, CONFERENCES AND MEETINGS](#)

### **SPOTLIGHT:**

#### [Invasive species and climate change impact coastal estuaries \(5/5/22\)](#)

Native species in California's estuaries are expected to experience greater declines as invasive species interact with climate change, according to a study from the University of California, Davis.

The study, published in the Ecological Society of America's journal, Ecology, said these declines are expected not only because of climate-related stressors, but also because of the expanding influence of new invasive predators whose impacts are occurring much farther up the estuary.

"Our study found that climate change and biological invasions can interact in coastal estuaries in unpredictable ways," said lead author Benjamin Rubinoff, a Ph.D. student in the UC Davis Department of Environmental Science and Policy when the research was conducted. "This increased risk of predation makes it difficult for native species that are already dealing with increasingly stressful environmental conditions."

[\[Cont. reading\]](#)

Benjamin G. Rubinoff et al, Biological invasions alter consumer–stress relationships along an estuarine gradient, Ecology (2022). [DOI: 10.1002/ecy.3695](https://doi.org/10.1002/ecy.3695)

### **PUBLIC COMMENT**

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ACTION:

[Return to top](#)

[Notice of availability of the NOAA Fisheries Draft Climate Science Regional Action Plans \(2022-2024\); request for comments.](#)

We, NMFS, announce the availability of Draft Climate Science Regional Action Plans designed to increase the production, delivery and use of climate-related information to fulfill our stewardship mission for the Nation's valuable living marine resources. We are soliciting review and comment from the public and all interested parties, and will consider all substantive comments received during the review period before publishing final Plans. Comments are invited on: (a) The clarity of the goals and activities in the draft Plans, (b) how to strengthen the draft Plans and activities; (c) what additional goals and activities need to be addressed. Comments submitted in response to this notice will be provided to the Regional Action Plan Teams for consideration in development of the final Plans.

**Comments on the Draft Climate Science Regional Action Plans must be received by June 2, 2022.**

To review the draft regional plans, visit:

<https://www.fisheries.noaa.gov/national/climate/climate-science-strategy-regional-action-plans>

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[Notice of Public Meeting: Shipping Coordinating Committee Meeting in Preparation for International Maritime Organization MEPC 78 Meeting](#)

The Department of State will conduct a public meeting of the Shipping Coordinating Committee at 10 a.m. on Wednesday, May 25, 2022, by way of teleconference. The primary purpose of the meeting is to prepare for the seventy-eighth session of the International Maritime Organization's (IMO) Marine Environment Protection Committee (MEPC 78) **to be held virtually from Monday, June 6, 2022 to Friday June 10, 2022.**

Members of the public may participate up to the capacity of the teleconference phone line, which can handle 500 participants. To RSVP, participants should contact the meeting coordinator, LCDR Jessica Anderson, by email at [jessica.p.anderson@uscg.mil](mailto:jessica.p.anderson@uscg.mil). To access the teleconference line, participants should call (202) 475-4000 and use Participant Code: 877 239 87#.

## **NEW SPECIES SIGHTINGS**

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**Want to get more new species alerts?**

USGS NAS: <https://nas.er.usgs.gov/AlertSystem/default.aspx>

IMAP INVASIVES: <https://www.imapinvasives.org>

## DREISSENIDS

[Minnesota] [Zebra mussels confirmed in Lake Pulaski in Wright County \(5/16/22\)](#)

The Minnesota Department of Natural Resources has confirmed a report of zebra mussels in Lake Pulaski in the city of Buffalo, Wright County. A lake service-provider business reported finding a dead zebra mussel on equipment they were installing on a lake property for the season. Commercial divers subsequently found a live adult zebra mussel in the water at the same location. DNR staff will work with the lake improvement district on next steps.

## OTHER AIS

[California] [Potamopyrgus antipodarum \(New Zealand mudsnail\)](#) was found in Struve Slough SE of Green Valley Rd. and at the end of Landis Ave, Santa Cruz County, CA [[USGS NAS](#)]

[Idaho] [F&G confirms second illegally-stocked walleye caught in Lake Cascade \(5/9/22\)](#)

On Saturday, May 7, 2022, off-duty Regional Fisheries Biologist Mike Thomas was fishing the Boulder Creek arm of Lake Cascade with local angler Chris Weber, when Weber landed an illegally stocked, 20-inch, nearly 3-pound mature male walleye. This is the second report of walleye in Lake Cascade in the past four years – with the first report back in 2018, when an angler reported catching a 19-inch walleye near Crown Point.

[Washington]

[Craspedacusta sowerbyi \(freshwater jellyfish\)](#) was found in Franklin D. Roosevelt Lake - North Twin Lake, WA. [[USGS NAS](#)]

[Cipangopaludina chinensis \(Chinese mysterysnail\)](#) was found in Swofford Pond, Lower Cowlitz drainage, WA [[USGS NAS](#)]

## WATCH LIST

British Columbia: If you spot the European green crab, take a photo — put it back where you found it — and email the information about where you saw it and when to: [AISPACIFIC@dfo-mpo.gc.ca](mailto:AISPACIFIC@dfo-mpo.gc.ca)

Oregon: If you find a jumping worm, call the Oregon Invasive Species Council hotline at 866-INVADER (268-9219)

## **DREISSENID MUSSELS**

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[Texas] [Invasive zebra mussels found in Lake Brownwood, Abilene lakes being monitored \(5/12/22\)](#)

Lakes Fort Phantom and Proctor in Coleman County are now being monitored after invasive zebra mussels have been found in Lakes Brownwood and O.H. Ivie.

Imagine a creature as big as, or smaller than, the bottlecap on a water bottle. Now imagine that tiny creature completely destroying an underwater ecosystem. That is what zebra mussels do, and unfortunately for 28 lakes across the State of Texas, they have been hit hard with large zebra mussel populations.

[How nature itself could help quash the quagga mussel invasion on the Colorado River \(4/25/22\)](#)

... Since 2007, Reclamation has used its science and technology program to explore control methods for invasive mussels. The office is an extension of the agency's research and development office and its main purpose is to explore new and emerging technologies... The transition to studying biocontrol methods signals a shift away from the more physical or chemical aspect of control to one that will allow the agency to let nature do the work. Officials hope at least some of the projects will allow them to mitigate the cost of treating quagga mussel populations while also reducing their numbers in an environmentally safe way.

## **BOAT INSPECTION/DECON/TECH NEWS**

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[\[Colorado\] CPW to test pilot station in Loma to check boats for invasive species \(5/8/22\)](#)

A pilot program authorized by a new law seeks to ensure boats coming from outside Colorado are free of invasive species, such as mussels, before they get anywhere near water, or for that matter, even very far inside state lines.

Colorado Parks and Wildlife will kick off the pilot Aquatic Nuisance Species Check Station program on three dates this summer at the Loma Port of Entry on Interstate 70, west of Grand Junction. Vehicles with motorized or trailered watercraft entering the state will be required to stop for an inspection on May 15, July 23 and Sept. 5.

The goal is to keep vessels contaminated with invasive plants and animals out of state waters. Parks and Wildlife has been particularly focused on preventing invasive zebra or quagga mussels from reaching reservoirs and other waters in the state.

[\[BC\] Prevent aquatic invasive species with these steps: Clean-Drain-Dry and stop for watercraft inspection \(5/2/22\)](#)

Spring in the Shuswap has many thinking about lake cruises, paddling, fishing, and tow sports. But May is also Invasive Species Action Month, and here in the Shuswap that means it's time to focus on aquatic invasive species prevention. The increased movement of boats and other watercraft into and around the Shuswap means there's an increased risk of moving aquatic invasive species.

[\[Colorado\] Boat inspector shortage keeps Horsetooth, Carter Lake boat ramps partially closed \(4/28/22\)](#)

Boat ramps at Horsetooth Reservoir and Carter Lake will remain partially closed in May due to a shortage of inspectors to check boats for invasive species such as zebra or quagga mussels.

## BALLAST WATER/BIOFOULING

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### [Design Approved for Ballast-Free LNG Bunker and Feeder Vessel \(5/4/22\)](#)

France's GTT (Gaztransport & Technigaz), which specializes in the engineering for liquified natural gas operations, is continuing to make progress with its efforts to develop the first ballast-free LNG bunker and feeder vessel. The company was awarded a new approval in principle from Bureau Veritas for the design concept known as Shear-Water after receiving Approval in Principle from the China Classification Society and DNV in 2021.

### [Ballast regulations reduce introduction of invasive species into Great Lakes: study \(4/28/22\)](#)

The Great Lakes have been invaded more than any other freshwater system in the world, with nearly 190 non-native species having established populations in the basin over the past two centuries. A [recent study](#) suggests that a binational regulation targeting ship ballast water has had a remarkable suppressive effect on the invasion rate.

### [Tackling aquatic invasive species introduced via biofouling – GloFouling task force reviews progress in International Shipping News \(4/27/22\)](#)

A major project to tackle bioinvasions by organisms which can build up on ships' hulls and other marine structures saw activities slow down during the COVID-19 pandemic but is on track to meet its targets.

The Global Project Task Force of the IMO-executed GloFouling Partnerships project, a collaboration between the Global Environment Facility (GEF), the United Nations Development Programme (UNDP) and IMO, met for its second meeting (11 to 13 April) at IMO Headquarters in London, United Kingdom.

### [Marine Safety Center issues Ballast Water Management System Type Approval Certificate to Atlantium Technologies \(4/25/22\)](#)

The Coast Guard Marine Safety Center issued the 48th U.S. Coast Guard BWMS Type Approval Certificate to Atlantium Technologies after a detailed review of the manufacturer's type approval application determined the system met the requirements of 46 CFR 162.060.

The treatment principle of the Purestream BWMS is based on filtration and UV treatment at intake and UV treatment at discharge. This approval covers seven models with maximum treatment rated capacities of between 150 and 1500 m<sup>3</sup> /h.

## MARINE

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### [Effort underway to trap invasive European green crabs in PNW waters \(4/29/22\)](#)

The Northwest Straits Commission has placed traps for the invasive species in Squalicum and Drayton Harbors and some other areas in Whatcom County.

Gauff, R.P.M., Lejeusne, C., Arsenieff, L. et al. Alien vs. predator: influence of environmental variability and predation on the survival of ascidian recruits of a native and alien species. *Biol Invasions* 24, 1327–1344 (2022). <https://doi.org/10.1007/s10530-021-02720-3>

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## AQUACULTURE

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### [West Coast flotilla pounds drums against fish farm licence renewals \(5/9/22\)](#)

An alliance of First Nations supporting that was on full display during the May 7 flotilla. Hereditary Chief George Quocksister Jr. of the Laich-kwil-tach First Nation on the central east side of Vancouver Island and Ernest Alfred, elected councillor for the ‘Namgis First Nation in Alert Bay and a Flowitsis Nation hereditary chief, travelled from their territories to lend their support. “We want our fish back. Stop contributing to the demise of wild salmon,” said Alfred, who was part of the collaborative effort that saw the removal of fish farms from the Broughton Archipelago.

### [Growing aquaculture industry faces climate challenges \(4/29/22\)](#)

New research out of the University of British Columbia in Canada has indicated that while the marine aquaculture industry has huge potential for feeding a growing world population, a significant amount of that potential will be curbed due to climate change if we stay on our current carbon emissions pathway.

### [Federal court judge quashes minister's plan to shut down B.C. fish farms \(4/26/22\)](#)

A federal court judge has set aside a decision by the former federal fisheries minister to close open-net pen fish farms in the Discovery Islands area between northern Vancouver Island and the B.C. mainland.

Related: [Canadian Federal Court Ruling: the Courts are Paying Attention to Science, Says NWAA \(4/27/22\)](#)

[BC salmon farmers to consult First Nations after court ruling \(4/27/22\)](#)

### [DFO Suppresses Science and Pushes Salmon Farms, Critics Tell MPs \(5/13/22\)](#)

The federal fisheries department should be stripped of its role in promoting aquaculture, urges MP Elizabeth May.

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## FISH

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### [More Than 400 Lionfish Removed From Keys Waters \(5/11/22\)](#)

There are several hundred fewer invasive lionfish wreaking havoc on Florida Keys reefs thanks to the recent efforts of four local divers.

Team Forever Young, consisting of Tony Young, Jason Vogan, Jeff Tharp and Luke Rankin, collected 426 invasive lionfish while participating in the 2022 Earth Day “Locals” Lionfish Derby, hosted by Reef Environmental Education Foundation.

### [Invasive Carp Regional Coordinating Committee Releases 2022 Invasive Carp Action Plan](#)

The Invasive Carp Regional Coordinating Committee (ICRCC) is pleased to announce the release of its 2022 Invasive Carp Action Plan (Action Plan), a comprehensive portfolio of 60 projects focused on Great Lakes protection. The Action Plan serves as a foundation for the work of the ICRCC partnership — a collaboration of 28 U.S. and Canadian federal, state, provincial, tribal, regional, and local agencies.

Kirk, M.A., Maitland, B.M., Hickerson, B.T. et al. Climatic drivers and ecological impacts of a rapid range expansion by non-native smallmouth bass. *Biol Invasions* 24, 1311–1326 (2022). <https://doi.org/10.1007/s10530-021-02724-z>

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## AQUATIC PLANTS

### [\[B.C.\] Yellow Flag Iris: beautiful but dangerous \(4/25/22\)](#)

Yellow Flag Iris is a garden ornamental that looks like a yellow fleur-de-lis. It was introduced to North America from Eurasia and easily escapes into wild spaces. It thrives in wet habitats along the seashore and the edges of lakes and ponds. It thrives so much that it can out-compete native species and alter the ecology of our natural ecosystems.

### [California Division of Boating and Waterways Begins Control Efforts in the Delta for Aquatic Invasive Plants](#)

The California State Parks' Division of Boating and Waterways (DBW) today announced plans for this year's control efforts for aquatic invasive plants in the Sacramento-San Joaquin Delta and its southern tributaries. Starting Thursday, March 17, DBW will begin herbicide treatments on water hyacinth, South American spongeplant, Uruguay water primrose, alligator weed, Brazilian waterweed, curlyleaf pondweed, Eurasian watermilfoil, coontail, and fanwort in the Delta. Treatment start dates may change depending on weather conditions and plant growth/movement.

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## FRESHWATER

### [Native species can tolerate invaders in the lowland floodplains \(5/9/22\)](#)

Invasive bullfrogs and sunfish in the southwestern Washington floodplains don't seem to be a detriment to native amphibians and fish in the area.

That's surprising, researchers say, since that isn't often the case in higher elevation areas, where there are extensive efforts to remove the invasive species.

[Research](#) on the topic began when scientists became simultaneously concerned with flooding and declining salmon populations in the Chehalis River floodplain. The region had been dealing with serious flooding issues over the last several decades—one flood in 2007 even shutdown a major thoroughfare between Portland and Seattle. Some people suggested introducing a dam, but conservationists worried this would further exacerbate habitat degradation for salmon. “How do we deal with flooding on the one hand, and an important resource being lost on the other?” said

assistant professor of ecology and evolutionary biology at Cornell University Meredith Holgerson.

### [Ohio woman pleads guilty to selling invasive crayfish species across 36 states \(5/12/22\)](#)

An Ohio woman who sold hundreds of marbled crayfish online has pleaded guilty to offenses under the Lacey Act, a US law preventing the transport of certain wildlife across state lines, after raising the crayfish in a huge tank in her home and selling them to people across 36 different states.

Allison Spaulding used eBay and Craigslist to sell various species of guppies and crayfish bred in her aquarium in Mount Vernon, Ohio and faces a maximum penalty of a year in prison and up to \$100,000 in fines, although a federal judge is set to consider a lesser penalty under a plea deal. The case is understood to be the first such enforcement action aimed at stemming the advance of the marbled crayfish, which has already exploded in huge numbers across countries as diverse as Germany and Madagascar. Wildlife officials fear the creature is now threatening to gain a claw hold in the US, where it is banned in several states but not nationally. Spaulding was prosecuted after Ohio introduced a state rule in 2020 naming the crayfish as an injurious species.

### [Invasive African clawed frogs pose threat to native species in Washington \(4/28/22\)](#)

The frogs have been found in increasing numbers in recent months, according to the WDFW. They prey on native insects and forage food eaten by native species.

Hudina, S.; Maguire, I.; Dragičević, P.; Galic, N. Evaluating the Efficacy of Approaches to Control Invasive Populations: A Conceptual Model Development for the Signal Crayfish. *Ecologies* 2022, 3, 78-95. <https://doi.org/10.3390/ecologies3020008>

## CLIMATE CHANGE

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### [Washington DNR releases report on forest damage from excessive heat, invasive species \(05/12/22\)](#)

An annual report from the Washington State Department of Natural Resources is highlighting the impact last summer's heat wave had on our state's forests.

New data from 2021 shows that 555,000 acres of forest were damaged in total.

Most of those forests were in Western Washington, with some of the most significant damage reported on the Olympic Peninsula and in southwestern counties.

DNR also attributed damage to invasive insects and plant diseases.

### [Unchecked global emissions on track to initiate mass extinction of marine life \(4/28/22\)](#)

As greenhouse gas emissions continue to warm the world's oceans, marine biodiversity could be on track to plummet within the next few centuries to levels not seen since the extinction of the dinosaurs, according to a [recent study](#) in the journal *Science* by Princeton University researchers.

B.C. McLaughlin, S.A. Skikne, E. Beller, R.V. Blakey, R.L. Olliff-Yang, N. Morueta-Holme, N.E. Heller, B.J. Brown, E.S. Zavaleta. Conservation strategies for the climate crisis: An update



on three decades of biodiversity management recommendations from science. *Biological Conservation*, 2022; 268: 109497 [DOI: 10.1016/j.biocon.2022.109497](https://doi.org/10.1016/j.biocon.2022.109497)

## OTHER

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[Invasive plants are slurping up precious water in drought-stricken southwest Colorado \(5/5/22\)](#)  
Russian olives and salt cedars are using — and contaminating — a lot of water in Montezuma County, igniting an effort to remove and ban nonnative plants on the federal level.

[One in Five Reptiles Worldwide Are Threatened With Extinction \(5/4/22\)](#)

... The study found reptiles face similar threats as other mammals, birds and amphibians, including habitat destruction from agricultural expansion, invasive species and disease...

Hudgins, Emma J.; Koch, Frank H.; Ambrose, Mark J.; Leung, Brian. 2022. Hotspots of pest-induced US urban tree death, 2020–2050. *Journal of Applied Ecology*.  
<https://doi.org/10.1111/1365-2664.14141>.

Turbelin, A. J., Diagne, C., Hudgins, E. J., Moodley, D., Kourantidou, M., Novoa, A., ... & Courchamp, F. (2022). [Introduction pathways of economically costly invasive alien species](#). *Biological Invasions*, 1-19.

## OUTREACH AND EDUCATION

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Hulme, P.E., McLaren-Swift, H. Declining readability of research on biological invasions over two decades. *Biol Invasions* 24, 1651–1660 (2022). <https://doi.org/10.1007/s10530-022-02740-7>

[National Invasive Species Council:](#)

The NISC has finalized two white papers, for question or a copy of the papers please contact Angela McMellen Brannigan ([angela\\_mcmellenbrannigan@ios.doi.gov](mailto:angela_mcmellenbrannigan@ios.doi.gov)):

- Environmental DNA as a Tool for Invasive Species Detection and Management: This white paper focuses on eDNA tools for invasive species monitoring and detection by U.S. Federal agencies. It builds on the work of an interagency task team under the auspices of the NISC, which developed a technical report for invasive species managers entitled, “Strategic considerations for invasive species managers to utilize environmental DNA (eDNA): if, when, and how.” This white paper summarizes the findings of the technical report and provides specific considerations for NISC member agencies and other interested parties
- Federal Invasive Species Rapid Response Fund: Criteria and Considerations for Establishment: This paper focuses on the role that a federal rapid response fund could play in such situations. When response to a new species detection is deemed necessary, agencies, whether they be federal, state, territorial, local, or tribal, may not have

sufficient funds readily available to act immediately, jeopardizing the ability to control the species before it establishes, spreads, and causes harm. This paper reviews these issues by first focusing on concerns generally expressed about creating such self-standing funds, as well as the broader rationale supporting their establishment. Models for emergency response from other sectors as well as related mechanisms to support invasive species efforts are examined for potential lessons learned and best practices. The paper outlines criteria and considerations that would need to be considered in the development and implementation of a federal invasive species rapid response fund. Finally, key findings and options for next steps are included in a summary section.

### [Tribal youth are reminded of their stewardship of the land and waters against Aquatic Invasive Species \(5/6/22\)](#)

“This is your future, and you guys are our future,” said Phil Matson of the Flathead Lake Biological Station (FLBS) as he stood next to Flathead Lake.

Two Eagle Rivers School students attended the 2022 Mussel Walk on a field trip. The students participated in a variety of stations to learn more about mussels and the efforts made to safeguard the ecosystem from aquatic invasive species like Quagga Mussels.

### [USGS Science and Technology Help Managers Battle Invasive Carps](#)

The U.S. Geological Survey (USGS) delivers high-quality data, technologies, and decision-support tools to help managers reduce existing populations and control the spread of invasive carp in the Nation's waterways.

## JOBS/GRANTS

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**Kansas** Department of Wildlife and Parks (KDWP). Fisheries Technician – Position# K0243838. The Fisheries Technician will conduct field work related to removal, suppression, containment, and monitoring of invasive carp in the Missouri and Arkansas River basins according to the direction of the Invasive Carp Biologist and the Aquatic Nuisance Species Coordinator. Tasks include manual removal of invasive carp utilizing nets or electrofishing equipment, observation of commercial or contracted invasive carp harvest activities, and disposal of harvested invasive carp; maintain and repair equipment used for invasive carp management such as boats, trailers, nets, and electrofishing equipment; perform education and outreach relating to invasive carps in the Missouri and Arkansas River basins; complete various tasks as assigned by division director, assistant director, and immediate supervisor. **Deadline To Apply – June 6, 2022.** How To Apply: Go to the State Employment Center at <https://admin.ks.gov/services/state-employment-center>

### [Natural Resources Economist with the USGS Wetland and Aquatic Resource Center.](#)

The position is a GS-11 term working with the Nonindigenous Aquatic Species Database in Gainesville, FL. This is a term appointment not to exceed 13 months with possible extensions up to a total of 4 years without further competition. Appointment to this position will not convey

permanent status in the Federal service. Salary: \$66,214 (Step 01) to \$86,074 (Step 10); **Closes 5/26/22**

### [Invasive Species Technician American Conservation Experience](#)

Three Rivers, California

**Apply Now**

Summary: American Conservation Experience, a nonprofit Conservation Corps, in partnership with Sequoia and Kings Canyon National Parks is seeking ONE Member to serve as an Invasive Species Technician and assist NPS Staff with fuels reduction projects through preventing the spread of invasive species and ecosystem degradation in the front country areas of Ash Mountain and Cedar Grove. For more information about ACE, please visit: [www.usaconservation.org](http://www.usaconservation.org).

Start Date: May 30, 2022 \*or earliest date available

### [Invasive Plant Management Members - Southeast Invasive Plant Management Team, American Conservation Experience](#)

Asheville, North Carolina

**Apply Now**

American Conservation Experience, a nonprofit Conservation Corps, in partnership with the National Park Service, is seeking THREE Invasive Plant Management Members who will assist Southeast Invasive Plant Management Team (SE-IPMT) staff with the management, control, and eradication of invasive plants and forest pathogens.

For more information on the ACE, please visit: [www.usaconservation.org](http://www.usaconservation.org) Start Date: June 2022, start date flexible for the right candidate

### [Invasive Plant Management Team Member - Carl Sandburg NHS, American Conservation Experience](#)

Flat Rock, North Carolina, United States

**Apply Now**

American Conservation Experience, a nonprofit Conservation Corps, in partnership with the National Park Service at Carl Sandburg Home National Historic Site (CARL) is seeking ONE Invasive Plant Management Team Member who will work alongside CARL staff and assist the Southeast Invasive Plant Management Team (SE-IPMT) staff with the management, control, and eradication of invasive plants and forest pathogens.

For more information on the ACE, please visit: [www.usaconservation.org](http://www.usaconservation.org) Start Date: June 2022, flexibility may be available for the right candidate

### [Vegetation Control Technician - Lincoln County, OR](#)

\$23.89 - \$32.11 Hourly, Full-Time

Department of Public Works

Job Number 22-36 (420), **Continuous**

Implement the County IPM program including private contracts, biological control agents, and County's herbicide spray program.

Maintaining contact with the public routinely for identifying noxious weed problems and identifying ways to control them.

Interested in protecting B.C. waterways as a [COS Aquatic Invasive Species Inspector](#)? We have seasonal positions available now (spring to fall) at locations in #DawsonCreek #Valemount #Golden #Fernie and the #LowerMainland

To submit a resume and for more information, please email:  
Conservation.Officer.Service@gov.bc.ca

### [Noxious Weed Control Superintendent, Gooding, Idaho](#)

The Tri-County Noxious Weed Control Office, Serving Gooding, Jerome and Lincoln Counties, invite applications from qualified candidates.

**Closing Date: June 30, 2022**

Salary: \$55,000-\$60,000 DOE Location: Gooding Idaho

To apply, call 208-934-5569 or email [truby@co.gooding.id.us](mailto:truby@co.gooding.id.us) for an application and job description.

### [AFWA: Agriculture Policy Program Manager, DC](#)

The Association of Fish & Wildlife Agencies offers an excellent suite of benefits including: paid vacation, paid sick leave, a 401k plan with up to a 7% employer contribution, the ability to work from home two days a week, short and long term disability insurance, a supportive culture and a commitment to diversity and inclusion.

Reports to: Government Affairs Director

Position Location: Washington, DC. DC based positions are expected to work from the office for a minimum of three days per week with the option to work up to two days per week from home.

## GRANTS

The National Fish and Wildlife Foundation is pleased to announce the launch of the [2022 Bring Back the Native Fish Request for Proposals \(RFP\)](#). The RFP can be found [here](#). **Pre-Proposals are due June 2, 2022**. Our Applicant Webinar will be held on May 18, 2022 (register here).

NFWF will award grants to restore, protect and enhance native fish species of conservation concern, especially in areas on or adjacent to federal agency lands. Up to \$510,000 in funding is available through support from the U.S. Fish and Wildlife Service (USFWS) and U.S. Forest Service (USFS). Priority projects will address the leading factors in native fish species decline such as habitat alteration, environmental change and invasive species.

Invasive species management — eradication or control of invasive species that fundamentally alter habitat for native fish species or compete/hybridize with focal species of conservation concern. Proposals related to this activity should describe the context of the effort, i.e., is this a perpetual management issue, or eradication possible. If the proposal seeks short-term support for a longer-term invasive species removal effort the proposal should describe the timeline and overall estimated cost of the longer-term effort.

### [America the Beautiful Challenge 2022 Request for Proposals](#)

**Applicant Webinar: Thursday, May 19, 2022, 2:00 PM – 4:00 PM Eastern Time**

**Full Proposal Due Date: Thursday, July 21, 2022, by 11:59 PM Eastern Time**

The National Fish and Wildlife Foundation (NFWF), through anticipated cooperative agreements from the Department of the Interior (DOI), Department of Defense (DoD), and the Department of Agriculture's U.S. Forest Service (USFS) and Natural Resources Conservation Service

(NRCS), is pleased to announce the launch of the America the Beautiful Challenge (ATBC) 2022 Request for Proposals (RFP). The ATBC vision is to streamline grant funding opportunities for new voluntary conservation and restoration projects around the United States. This Request for Proposals is a first step toward consolidating funding from multiple federal agencies and the private sector to enable applicants to conceive and develop large-scale, locally led projects that address shared funder priorities spanning public and private lands.

- Strengthen Ecosystem and Community Resilience. Conserve and restore natural systems that help ecosystems and/or communities respond to, mediate and recover from disturbances such as floods, wildfire, drought (e.g., enhancing a wetland to improve coastal resilience, invasive species prevention or removal to reduce wildfire risk, restoring fire resilient stand structure and species composition in fire prone forests, water conservation to address drought, expansion of wetlands to protect from flooding, grassland restoration to promote natural prairie ecosystems).

### [Preventing the Introduction and Spread of Invasive through Strategic Landscape-Level Approaches](#)

Using appropriations to the Infrastructure Investment and Jobs Act (Public Law 117-58, also referred to as the Bipartisan Infrastructure Law), the U.S. Fish and Wildlife Service (USFWS), in collaboration with other U.S. Department of the Interior bureaus, is providing grants to support implementation of measures that prevent the introduction or spread of invasive species.

Proposals are requested that advance strategic, ecologically-based, landscape-level prevention measures. Landscape-level approaches are those that bring together multiple geographies, sectors, and stakeholders to protect and conserve natural resources on a larger scale.

Total funding available is \$1,852,550. The USFWS anticipates funding one to four projects, ranging between \$200,000 and \$1,852,550. **Proposals are due June 22, 2022.** The anticipated award date is August 2022.

Additional details can be found in the Notice of Funding Opportunity on grants.gov, Number F22AS00320.

Please direct questions to Susan Pasko, Division of Fish and Aquatic Conservation, USFWS HQ - MS:FAC, 5275 Leesburg Pike, Falls Church, VA 22041-3803, 703-358-2466, [susan\\_pasko@fws.gov](mailto:susan_pasko@fws.gov).

### [F22AS00243 Invasive Species Rapid Response After Action Report](#)

Department of the Interior Fish and Wildlife Service

**NEW Extended Application Date: Closes: May 27, 2022**

The response provides a unique opportunity to review, evaluate, and recommend strategies to prevent and to rapidly respond to the introduction, establishment, and spread of AIS in the waters of the United States. Accordingly, the U.S. Fish and Wildlife Service (FWS or Service) requests proposals to conduct an assessment and draft an after-action report for the Marimo moss ball incident that is national in scope to evaluate the effectiveness and timeliness of actions taken and provide recommendations for future actions needed to mitigate risk and improve preparedness for response. It is anticipated that the work will be completed through a cooperative agreement with the Service. Service staff will be substantially involved throughout the assessment to provide details about the response, to provide additional points of contact, and access to additional documents that may be needed to adequately assess the moss ball response. However,

it is expected that the grantee will draft the report and develop conclusions and recommendations independently.

### [The FlowCam Aquatic Research Equipment & Travel Grant for Graduate Students and Undergraduate Faculty](#)

- Are you a graduate student studying marine, freshwater, or estuarine ecosystems with a focus on microorganisms or other particles?
- Are you a faculty member who would like to introduce your students to modern methods of data collection?
- Wouldn't you love a method to streamline your research and speed up the tedious process of manual microscopy?

Enter to win the use of a FlowCam instrument for up to 4 months, including remote training, technical support, and temporary software licenses. Winners will also receive funding to present at a major scientific conference in North America within twelve months of project completion. Eligible expenses include conference registration, travel, food, and lodging.

~~Masters or Ph.D. Students Application Deadline: April 15, 2022~~

Undergraduate Faculty Application Deadline: June 15, 2022

## **FEDERAL/STATE/PROVINCIAL LEGISLATION, RULES, ACTIONS**

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### [Advocacy:](#)

#### [Aquaculture proponents fly in to Washington DC to push for AQUAA Act \(4/27/22\)](#)

Proponents of expanding America's aquaculture industry began a three-day meeting with lawmakers and their aides in Washington D.C. on Tuesday, 26 April, in hopes of drumming up more support for a bill to create more opportunities for offshore fish farms. [[AQUAA Act](#)]

### [State/Province](#)

### [Executive](#)

#### [Biden-Harris Administration Advances Offshore Wind Energy Leasing on Atlantic and Pacific Coasts \(4/27/22\)](#)

The Department of the Interior today announced that the Bureau of Ocean Energy Management (BOEM) will publish two separate Calls for Information and Nominations for possible leasing in areas that are determined to be suitable off the coast of Oregon and in the Central Atlantic.

### [Committee Republicans Seek Answers on 30x30 “Slush” Fund \(5/12/22\)](#)

Washington - Today, House Committee on Natural Resources Ranking Member Bruce Westerman (R-Ark.) led a letter to Council on Environmental Quality (CEQ) Chair Brenda Mallory, requesting further information on how CEQ will implement the \$1 billion "America the Beautiful Challenge," a rebranded 30x30 Initiative.

## [Congressional](#)

### [House Passes Bipartisan Legislation to Support Fish & Wildlife Restoration in Great Lakes \(4/26/22\)](#)

WASHINGTON, D.C. - Today, the House of Representatives passed [H.R. 5973](#), the Great Lakes Fish and Wildlife Restoration Act of 2022, bipartisan legislation introduced by Congresswoman Debbie Dingell (D-MI), along with Representatives Darrin LaHood (R-IL), Paul Tonko (D-NY), and David Joyce (R-OH), to support fish and wildlife in the Great Lakes. The Great Lakes Fish and Wildlife Restoration Reauthorization Act of 2022 would reauthorize the U.S. Fish and Wildlife Service (FWS) to work with states and other agencies to develop and execute proposals to conserve, restore and manage fish and wildlife populations and their habitats.

### [Senate EPW Committee Unanimously Advances Water Resources Development Act \(5/4/22\)](#)

WASHINGTON, D.C. — U.S. Senator Tom Carper (D-Del.), Chairman of the Senate Committee on Environment and Public Works, today led a committee markup to advance the bipartisan Water Resources Development Act of 2022 (WRDA 2022, [S.4136](#)) by a **20-0 vote**. Carper authored the legislation along with EPW Ranking Member Shelley Moore Capito (R-W.Va.), as well as Senators Ben Cardin (D-Md.) and Kevin Cramer (R-N.D.).

Bill Text for **S.4136** can be found [HERE](#) | and for further information go to [Section by Section](#) | [Bill Summary](#)

AIS Language in the Bill is as follows:

#### **SEC. 219. Lake Champlain Canal, Vermont and New York.**

Section 5146 of the Water Resources Development Act of 2007 (121 Stat. 1255) is amended by adding at the end the following:

“(c) Clarifications.—

“(1) IN GENERAL.—At the request of the non-Federal interest for the study of the Lake Champlain Canal Aquatic Invasive Species Barrier carried out under section 542 of the Water Resources Development Act of 2000 (114 Stat. 2671;

121 Stat. 1150; 134 Stat. 2652), the Secretary shall scope the phase II portion of that study to satisfy the feasibility determination under subsection (a).

“(2) DISPERSAL BARRIER.—A dispersal barrier constructed, maintained, or operated under this section may include—

- “(A) physical hydrologic separation;
- “(B) nonstructural measures;
- “(C) deployment of technologies;
- “(D) buffer zones; or
- “(E) any combination of the approaches described in subparagraphs (A) through (D).”.

**SEC. 322. Asian carp prevention and control pilot program.**

Section 509(a)(2) of the Water Resources Development Act of 2020 ([33 U.S.C. 610](#) note; [Public Law 116–260](#)) is amended—

- (1) in subparagraph (A), by striking “or Tennessee River Watershed” and inserting “, Tennessee River Watershed, or Tombigbee River Watershed”; and
- (2) in subparagraph (C)(i), by inserting “, of which not less than 1 shall be carried out on the Tennessee–Tombigbee Waterway” before the period at the end.

**SEC. 325. Invasive species management.**

Section 104 of the River and Harbor Act of 1958 ([33 U.S.C. 610](#)) is amended—

- (1) in subsection (b)(2)(A)(ii)—
  - (A) by striking “\$50,000,000” and inserting “\$75,000,000”; and
  - (B) by striking “2024” and inserting “2028”; and
- (2) in subsection (g)(2)—
  - (A) in subparagraph (A)—
    - (i) by striking “water quantity or water quality” and inserting “water quantity, water quality, or ecosystems”; and
    - (ii) by inserting “the Lake Erie Basin, the Ohio River Basin,” after “the Upper Snake River Basin,”; and
  - (B) in subparagraph (B), by inserting “, hydrilla (*Hydrilla verticillata*),” after “*angustifolia*”.

**SEC. 328. Invasive species management pilot program.**

Section 104(f)(4) of the River and Harbor Act of 1958 ([33 U.S.C. 610\(f\)\(4\)](#)) is amended by striking “2024” and inserting “2026”.

**SEC. 341. Acequias irrigation systems.**

Section 1113 of the Water Resources Development Act of 1986 (100 Stat. 4232) is amended—

- (1) in subsection (b)—



(A) by striking “(b) Subject to section 903(a) of this Act, the Secretary is authorized and directed to undertake” and inserting the following:  
“(b) Authorization.—Subject to section 903(a), the Secretary shall carry out”; and  
(B) by striking “canals” and all that follows through “25 percent.” and inserting the following: “channels attendant to the operations of the community ditch and Acequia systems in New Mexico that—  
“(1) are declared to be a political subdivision of the State; or  
“(2) belong to a federally recognized Indian Tribe.”;  
(2) by redesignating subsection (c) as subsection (e);  
(3) by inserting after subsection (b) the following:  
“(c) Inclusions.—The measures described in subsection (b) shall, to the maximum extent practicable—  
“(1) ensure greater resiliency of diversion structures, including to flow variations, prolonged drought conditions, invasive plant species, and threats from changing hydrological and climatic conditions; or  
“(2) support research, development, and training for innovative management solutions, including those for controlling invasive aquatic plants that affect Acequias.

[HOUSE Committee Leaders Introduce Bipartisan Water Resources Development Act of 2022 \(May 17, 2022\)](#)

**Washington, D.C.** – Today, Chair of the House Committee on Transportation and Infrastructure Peter DeFazio (D-OR), Committee on Transportation and Infrastructure Ranking Member Sam Graves (R-MO), Chair of the Subcommittee on Water Resources and Environment Grace F. Napolitano (D-CA), and Subcommittee on Water Resources and Environment Ranking Member David Rouzer (R-NC) released the following statements after yesterday's introduction of the Water Resources Development Act of 2022 (WRDA, HR 7776).

More information, including bill text, can be found [HERE](#).

The Committee plans to mark up this legislation on Wednesday, **May 18**, 2022. You can view the hearing by going [HERE](#)

**AIS in the Bill:** At first glance it appears that HR 7776 does not make any changes to invasive species cost share program (watercraft/monitoring/flowering rush). They do add

- The Sacramento-San Joaquin Delta, to *Sec. 501. Update on Invasive Species Policy Guidance. This section requires the Corps to periodically update its Invasive Species Policy Guidance.*

- The Sacramento-San Joaquin Delta, Rio Grande, Detroit Lake, Oregon, Ten Mile Lake, Oregon are added (among others) to the focus areas of the Harmful Algal Bloom Demonstration Program.
- The Aquatic Invasive Species Research section adds *elodea*.

Stay tuned...there may be more AIS directives in the bill Report language....

[America's Outdoor Recreation Act of 2022 \(S. 3266\) Moves Forward \(5/3/22\)](#)

WASHINGTON, D.C. — Today, the Senate Committee on Energy and Natural Resources (ENR) advanced U.S. Senator John Barrasso's (R-WY) America's Outdoor Recreation Act of 2022. This bipartisan recreation package includes key Wyoming outdoor recreation priorities. The legislation passed the committee unanimously.

**NOTE:** [S. 3266](#) includes *SEC. 404. Federal Land And Water Aquatic Resource Activities Assistance* includes a 75/25 Grant program for reclamation states for watercraft inspection and decontamination stations.( See [12/3/21 AIS News](#) page 15 - for details.)

## APPROPRIATIONS

An AIS federal legislative table is posted on the web on the [www.westernais.org](http://www.westernais.org) website. Go to <https://www.westernais.org/federal-provincial-regulations> and see *AIS Legislative Tracker*

## TRAININGS, WEBINARS, CONFERENCES AND MEETINGS

### [Archived Materials](#)

[WPR eDNA Workgroup Series](#): The most recent webinar from April features Taylor Wilcox with the National Genomics Center for Wildlife and Fish Conservation

### [Events: Webinars, Trainings, Conferences and Meetings](#)

### **Watercraft Inspection Training**

Coming This Fall: Advanced Decontamination Training:

[Return to top](#)

October 18-19, 2022 Lake Powell Resort & Marina Page, AZ 86040  
To Register: Go to <https://form.jotform.com/63037607848968> and complete the registration survey. This will be an in-person "Hands-On" training. To qualify you must have completed WIT II training by a PSMFC certified instructor.

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

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*Because of continued concerns due to COVID-19 upcoming meetings and events listed below may be postponed, cancelled or converted to teleconferencing events. Please check directly with the organizers of these events for the most up-to-date information.*

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## [DOI Invasive Species Training Opportunities Spreadsheet](#)

### [PNW IPC Citizen Science Trainings](#)

#### May

NAISMA Monthly Webinars: May 18, 2022 @ 1:00 pm - 2:00 pm CDT - [Using Community Based Social Marketing to Prevent the Spread of Invasive Species](#)

[11th International Conference on Marine Bioinvasions](#) Postponed until 2023

[Aquatic Nuisance Species Task Force Meeting May 24-25, 2022](#)

Teleconference/web meeting: The ANS Task Force will meet Tuesday, Wednesday, and Thursday, May 24-26, 2022, from 12 p.m. to 4 p.m. each day (Eastern Time). Registration is required. The deadline for registration is May 20, 2022.

#### June

[Great Lakes ANS Regional Panel Meeting](#) June 1 -3, 2022; Virtual Meeting

[Invasive Mussel Collaborative Webinar: Recent IMC Tools and Accomplishments](#)

On Monday, June 6 at 11:00 p.m. ET, the Invasive Mussel Collaborative is hosting a webinar that will feature presentations from Ashley Elgin with the National Oceanic and Atmospheric Administration, Diane Waller with the U.S. Geological Survey, and Jeff Tyson with the Great Lakes Fishery Commission.

NotMISpecies Webinar Series: June 09, 2022, 9:00 - 10:00 am.ET - [Didymo: What you need to know](#)

NAISMA Monthly Webinars: June 15, 2022 @ 1:00 pm - 2:00 pm CDT - [Spotted Lanternfly Ecology and Biocontrol Efforts](#)

NotMISpecies Webinar Series: June 27, 2022, 9:00 - 10:00 am.ET - [Not in my backyard! Managing invasives with help from CISMAs](#)

[Next Meeting of the Columbia River Basin Team](#) – June 22 & 23, 2022 (Virtual). Contact Leah Elwell for further information [leah@stopais.org](mailto:leah@stopais.org),

### July

NAISMA Monthly Webinars: July 20, 2022 @ 1:00 pm - 2:00 pm CDT - [“Jumping Worms:” What We Know Now](#)

### August

NAISMA Monthly Webinars: August 17, 2022 @ 1:00 pm - 2:00 pm CDT - [How to Get Your Project Funded A Look into Florida’s Research and Outreach Program for Invasive Plant Management](#)

The American Fisheries Society, the AFS Western Division, and the Washington – British Columbia Chapter are excited to host the [152nd AFS Annual Meeting](#), August 21-25, 2022, in Spokane, WA

### September

[Western Regional Panel](#). September 21-23, 2022 in Anchorage, Alaska. The meeting will be held at the Hilton in downtown Anchorage. Three days of presentations, discussions, workshops and a field trip are all being planned.

### October

[2nd GloFouling R&D Forum on Biofouling Prevention and Management for Maritime Industries: Greener Technologies for Biofouling Management](#). IMO Headquarters, London, UK, 11-14 October 2022

[Upper Midwest Invasive Species Conference 2022](#)

October 25-27, 2022; Green Bay, Wisconsin.

### November

The [2022 North American Invasive Species Management Association \(NAISMA\) Annual Conference](#), Managing For Resilience co-hosted with the Florida Invasive Species Council

(FISC) November 7-10, 2022, Sanibel Harbor Marriott, across from Sanibel Island Ft. Myers, Florida

## December

### [2022 Innovations in Invasive Species Management Conference](#)

Gaylord Opryland Resort and Convention Center in Nashville, TN

December 13th-16th, 2022

Primary meeting dates will be December 14th and 15th

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