



AQUATIC INVASIVE SPECIES NEWS

10/16/2018

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OREGON INVASIVE SPECIES COUNCIL NOMINATIONS NEEDED

The Oregon Invasive Species Council (OISC) is seeking nominations for 5 at-large member seats to serve a 2-year term 2019-2020. Could you, or someone you know, be a good addition to the Council? Send us a nomination by November 8, 2018. Nominees should be willing and able to serve for two years. Nominations and questions about the process should be sent to

<mailto:coordinator@oregoninvasivespeciescouncil.org> Please include the individual's name, title, phone, email, and mailing address, as well as a brief description of their qualifications (self-nominations are acceptable). In addition, the Council requests a statement from the person being nominated that explains their interest and contributions they are willing to make to the Council.

Letters of support for the nominee are also helpful. The deadline to receive nominations is November 8, 2018. The council will welcome the new appointees at the first meeting of the Council in 2019. [\[Full Press Release Here\]](#)

RECOMMENDED READING: VIDA

[Hawaii In The Thick Of DC Battle Over Ballast Water Dumping \(10/4/18\)](#)

Political maneuvering over invasive species and pollution standards has reached Hawaii's waters... The legislation initially had bipartisan support, including from U.S. Sen. Brian Schatz, who was a co-sponsor of the [Commercial Vessel Incidental Discharge Act](#). It would have created a single federal standard overseen by the U.S. Coast Guard rather than the Environmental Protection Agency. Environmental groups, as well as 10 attorneys general from Maine to California, were worried at the time about the proposed

regulations, saying the bill was an attempt by industry lobbyists to dismantle rules that protect the country's waters from the "scourge of invasive species."

...

Former Hawaii state Sen. Will Espero recently put his name to an [op-ed in Civil Beat](#) that advocated for passage of the Vessel Incidental Discharge Act. In the piece, Espero said the legislation was critical to both protect the environment and ensure a thriving "ocean economy" in Hawaii — which he pegged at \$18 billion...These regulations, the commentary added, are onerous and can prevent vessel owners from investing in new technology that will help them streamline operations and bolster their bottom line. In an interview with Civil Beat, Espero acknowledged he didn't actually write the piece. He said it was provided to him by an individual from a "lobbying advocacy group" with an interest in the legislation. He declined to name either the individual or the organization.

...

The Hawaii Department of Land and Natural Resources has had concerns with the language of the bill and whether it would make it harder to protect state waters from alien species. Jules Kuo, the ballast water and hull fouling coordinator for DLNR, said her agency has been working with Hawaii's senators to ensure the rules are written in a manner that protects the state while being practical for the shipping industry... She said the bill also would pre-empt DLNR from managing vessels that move between the islands. That's a problem, she said, because Honolulu Harbor has some alien species that aren't found in other ports in the state....

Related: [\[Opinion\] Ballast Discharge Measure Won't Protect Hawaii's Coastal Waters \(10/5/18\)](#)

PUBLIC COMMENT

Washington Invasive Species Council 2019-2020 Work Plan: The Washington Invasive Species Council has drafted a 2019-2020 Work Plan that outlines strategic objectives for the next biennium. The [draft work plan](#) builds on successes of the previous work plan, identifying and prioritizing strategic objectives in five major areas of work:

1. Leadership and Coordination
2. Prevention
3. Education and Outreach
4. Early Detection and Rapid Response
5. Containment, Eradication, and Control

Submit comments no later than 5 p.m. PST, October, 22 to <mailto:invasivespecies@rco.wa.gov>
Next steps: Public comments will be reviewed and used to generate a final draft for consideration at the council's [December 2018 meeting](#).

NEW SPECIES SIGHTINGS

DREISSENIDS

Minnesota Department of Natural Resources:

- [Zebra mussels confirmed in Round Lake in Otter Tail County \(10/1/18\)](#)
- [Zebra mussels confirmed in Bde Maka Ska in Minneapolis \(10/8/18\)](#)
- [Zebra mussels confirmed in Walker Lake in Otter Tail County \(10/11/18\)](#)
- [Zebra mussels confirmed in Big Fish Lake in Stearns County \(10/15/18\)](#)
- [Zebra mussels confirmed in Sugar Lake in Wright County \(10/15/18\)](#)
- [Zebra mussels confirmed in Pomme de Terre lakes and Perkins Lake in Grant and Stevens counties \(10/15/18\)](#)

OTHER AIS

[New invasive bryozoan arrives in Alaskan waters \(9/28/18\)](#)

Alaska has a near-pristine marine ecosystem--it has fewer invasive species in its waters than almost any other state in the U.S. But that could be changing. With help from local volunteers, biologists at the Smithsonian Environmental Research Center (SERC) and Temple University have reported a new invasive species in the Ketchikan region, the invertebrate filter-feeder *Bugula neritina*, and documented the continuing spread of three other non-native species.

[Typha domingensis \(southern cattail\)](#) was found on south shore of Lake Umatilla reservoir on Columbia River, 8.5 air kilometers southwest of Crow Butte Island. [\[USGS NAS report here\]](#)

DREISSENID MUSSELS

[A 3D printing filament made from Lake Erie quagga mussels? A high school entrepreneur invents Z Spools \(10/9/18\)](#)

Lorena James wants to make 3D printing filament out of invasive quagga mussels in Lake Erie. James, who likes to hang out on the beach with friends, hatched the Z Spools idea in an entrepreneurship class at her Buffalo high school... So she entered the high school division of the Cleveland Water Alliance Erie Hack competition – and won. Now the Davidson University sophomore has applied for a utility patent for her product, which is basically a spool of plastic-and-mussel string that melts in the printer to make sheets of plastic. She is considering how to mass produce it.

[\[Montana\] Grant money will help fight invasive mussels at Tiber Reservoir \(10/9/18\)](#)

The U.S. Bureau of Reclamation announced on Tuesday a \$837,000 grant to Montana Fish, Wildlife & Parks to combat invasive mussels in Montana. This money will be used

to improve inspection/decontamination stations; provide campsites for inspection staff; purchase inspection and decontamination equipment, materials and supplies, outreach materials, storage sheds, and shelters; and also provide for sampling and analysis.

[\[Nebraska\] Corps of Engineers calls for draining Cunningham Lake to kill zebra mussels, common carp \(9/27/18\)](#)

... Also in the works is a companion plan to simultaneously drain Lonergan Lake, a private reservoir upstream of Cunningham. Officials think carp from Lonergan flushed down the Little Papillion Creek into Cunningham during high water....

[\[North Dakota\] Sampling indicates zebra mussel numbers expanding in Red River \(10/12/18\)](#)

Jessica Howell, the department's invasive species coordinator, said during recent sampling at the north landing in Grand Forks and the Drayton Dam, it was very apparent the mussel population is expanding. She said the juvenile, fingernail size zebra mussels called "settlers" were found on rocks. She says that's new and not seen before.

[\[Minnesota\] Battling zebra mussels on OTC lakes \(9/28/18\)](#)

DNR invasive species specialist, Mark Ranweiler said zebra mussels were found in West Battle Lake and Otter Tail Lake in 2016. Zebra Mussels were also found in Molly Stark Lake, Annie Battle Lake. Zebra mussels will be listed as found in Lake Blanche, an unnamed lake between Annie Battle Lake and Lake Blanche and streams that connect those lakes.

[\[British Columbia\] OLWQS has new role with mussel patrol \(10/3/18\)](#)

It's the last Wednesday in September and the final time this year that the Osoyoos Lake Water Quality Society (OLWQS) is taking its testing boat onto Osoyoos Lake... OLWQS's mission has evolved since the group was formed by volunteers more than 25 years ago, but it's always been about monitoring the water quality of the lake. When the provincial government stepped back from doing its own testing in the late 1980s, a number of local people stepped in to fill the gap... But new this year are two tests for the presence of zebra and quagga mussels.

[Two-decade study shows dramatic colonization of invasive zebra mussels in Eastern Ontario's Rideau River \(10/3/18\)](#)

Invasive zebra mussels have been known in Canadian waterways since they first arrived from Europe into Lake Erie in 1986. Now, scientists with the Canadian Museum of Nature report the rapid colonization of the species over 26 years in Eastern Ontario's Rideau River, a UNESCO World Heritage Site. The results, published today in the Canadian Journal of Zoology, represent the longest-known monitoring study of the invasive species in a small-river system (defined as a few hundred kilometres or less). The first zebra mussels were identified in the river in 1990, and two decades of monitoring the 100-km waterway reveals some areas where there are hundreds of thousands of individuals within a square metre...

[Read the full scientific publication here: A.L. Martel, J.B. Madill. 2018. [Twenty-six years \(1990–2015\) of monitoring annual recruitment of the invasive zebra mussel](#)

[\(*Dreissena polymorpha*\) in the Rideau River, a small river system in Eastern Ontario, Canada.](#) Canadian Journal of Zoology, 2018, 96(10): 1071-1079,
<https://doi.org/10.1139/cjz-2017-0360>]

[Scientific Publication] Michael A. McCartney and Sophie Mallez. 2018. [The role of waterway connections and downstream drift of veliger larvae in the expanding invasion of inland lakes by zebra mussels in Minnesota, USA.](#) Aquatic Invasions. 13:3 pp 393–408

BOAT INSPECTION/DECON/TECH NEWS

[\[Montana\] State Official Admits ‘Gaps’ in Invasive Mussel Screening \(9/25/18\)](#)

The state’s aquatic invasive species coordinator says there have been some “gaps” in efforts to prevent the spread of invasive mussels at Tiber Reservoir, where larvae of invasive mussels were detected two years ago. The Missoulian [reports](#) the acknowledgement by Liz Lodman came after Caryn Miske — a critic of some of the state’s aquatic invasive species prevention efforts — said three inspection stations at Tiber Reservoir southwest of Chester were not operating as they should. Miske says a boat went through an inspection station without the live wells being drained and without the bait well being inspected.

Related: [State, Watchdog Disagree Over Effectiveness of AIS Prevention \(9/27/18\)](#)

Miske went public with her concerns in an article reported by the Missoulian earlier this week. That rubbed several people on the commission the wrong way...Curtis says reports like Miske’s at best confuse the public more than inform, and at worst erode public support.

[Inspections protect Colorado waters from invasive mussels entering on boats \(9/30/18\)](#)

ANS inspectors stopped everything from boats teeming with mussels to a boat with a single zebra mussel, the size of a pebble, at Lathrop State Park. Like most of the other contaminated vessels, the boat stopped at Lathrop had just come from Lake Powell.

Related: [CPW Invasive Mussels Inspections Set New Record \(9/28/18\)](#)

[Tahoe’s water inspection program celebrates a decade with no new invasive species \(9/28/18\)](#)

...Since Lake Tahoe’s Water Inspection was initiated a decade ago, staff members have inspected tens of thousands of vessels for invasive species, and during that time, no new invasive species have entered Tahoe...

MARINE

[\[California\] Kitchen Sink Update on Every Last Invader \(9/18\)](#)

On multiple fronts, with multiple forces and weapons, California’s battle against invasive aquatic organisms continues. Notoriously, San Francisco Bay is the world’s most invaded

estuary. The state's lakes, rivers, and other freshwater wetlands have their own problematic exotics. Keeping them out, and preventing their spread once established, requires coordination among agencies and levels of government.

[\[Washington\] European green crab's reach stretches across North Olympic Peninsula \(10/3/18\)](#)

Among fallen trees in the Tsoo-Yess River in Neah Bay, the muddy canals of Graveyard Spit in Dungeness and in the waters of Kala Point near Port Townsend, the European green crab now spans the North Olympic Peninsula. Its reach is concerning to resource managers because scientists list the crab as one of the world's most invasive species and blame it for damaging the U.S. East Coast's clamping industry...

Related: [Invasive crab species found in waters off Olympic Peninsula \(10/10/18\)](#)

[Winners Announced For Record-Setting 2018 Lionfish Challenge \(9/27/18\)](#)

A record-setting nearly 30,000 lionfish were removed from Florida waters during the 2018 Lionfish Challenge. The Florida Fish and Wildlife Conservation Commission announced the winners of its annual challenge Thursday.

[Endangered native oyster helped by invasive species \(10/9/18\)](#)

The presence of invasive oysters can support an endangered native oyster species in certain situations, a team led by a British Antarctic Survey scientist has found. The result was a surprise, as the invasive species – an aquaculture species from Japan, imported and widely used in fish farms – was expected to do better than the native European flat oyster. [The findings, published this week in the journal Functional Ecology](#), have implications for helping the at-risk native species thrive in future.

[Scientific Publication] Lindsay M. Marks, Daniel C. Reed and Sally J. Holbrook. 2018. [Life history traits of the invasive seaweed *Sargassum horneri* at Santa Catalina Island, California.](#) Aquatic Invasions 13:3 pp 339–350

BALLAST WATER/BIOFOULING

[Update On Issuance of 2018 Vessel General Permit \(9/27/18\)](#)

The EPA has determined that the 2013 VGP will be “administratively extended” beyond December 18, 2018. The draft 2018 VGP is estimated to be published in Spring 2019 and have a 30-day comment period, at a minimum, with the final version estimated to be issued in late Summer 2019. The immediate concern is coverage of vessels that do not have an active Notice of Intent (NOI). For vessels with an active NOI, the vessel may continue to operate and submit reports to the EPA.

[ClassNK warns owners not to wait for deadline to install ballast water systems \(10/1/18\)](#)

Japanese classification society ClassNK is advising owners to fit ballast water management systems (BWMS) well ahead of time as it sees a large spike in retrofit numbers in 2022.

[Ballast Water Management & Technology North America conference – Recap of presentation](#)
[“Walking the Walk” on enforcement and compliance \(10/2/18\)](#)

This post kicks off our coverage of the Coast Guard’s participation at the Ballast Water Management and Technology North America conference in Florida last week. Maritime Commons will post recaps of each of the presentations for the benefit of our readers who were unable to attend.

[Anniversary of IMO Global Ballast Water Management Treaty \(9/28/18\)](#)

... One year on, the number of ratifying States stands at 77, representing just over 77% of world gross tonnage, and the issue of implementing the regulations is in the spotlight....

Related: [IMO Infographic on complying with the BWM Convention \(10/16/18\)](#)

FISH

[\[Alaska\] State hopes to kill off final Kenai Peninsula pike population \(10/3/18\)](#)

Time is running out for the last pike on the Kenai Peninsula. The Alaska Department of Fish and Game is planning to apply the fish-killing chemical rotenone to eight lakes in the Tote Road area from Oct. 8 to 12. If successful, the effort will eradicate the final known populations of invasive northern pike on the Peninsula.

[\[Utah\] Illegal fish stocking at Kolob Reservoir \(10/11/18\)](#)

Regarding the upcoming [rotenone] treatment at Kolob Reservoir, Richard Hepworth, regional aquatics manager for the DWR, says it's unfortunate biologists are having to deal with another illegal fish stocking. "When fish are stocked illegally," he says, "there are tremendous costs and consequences for water users, anglers and visitors. Fish that are stocked illegally also harm the fish habitat and the ecosystems in the waters in which they're placed."

[\[Washington\] Orca Task Force Recommendations Include Focus On Salmon Runs; Non-Native Game Fish To ‘Predatory’ \(9/28/18\)](#)

Among the recommendations is support for stepped up efforts to control sea lions in the Columbia River, along coastlines and in Puget Sound, as well as a recommendation for the Washington Department of Fish and Wildlife to reclassify popular non-native gamefish, such as bass, walleye and catfish, as non-native predatory fish.

[\[Washington\] Where Did Pike In Columbia Basin Come From? Detection, Suppression Necessary To Slow Invasion \(10/9/18\)](#)

Northern pike is a fish that is broadly distributed across the northern hemisphere, but is not native to the Pacific Northwest, and it remains unwanted. Its presence as low in the Columbia River basin as Lake Roosevelt is now posing a threat to native fish downstream of Grand Coulee Dam in what many are calling the anadromous zone where salmon and steelhead fish spawn, rear and eventually migrate to and from the ocean.

[Poll: Overwhelming public support for blocking Asian carp from Great Lakes \(9/25/18\)](#)

A first-of-its-kind public opinion poll shows an overwhelming majority of people who live near the Great Lakes support immediate action to install additional structural protections that can keep Asian carp from moving out of Illinois rivers and into the Great Lakes. The poll – commissioned by the Great Lakes Partnership to Block Asian Carp – is the first effort to survey residents in Illinois, Indiana, Michigan, Ohio and Wisconsin about their understanding of the risk of invasive carp.

Related: [End the Asian carp invasion, save our rivers \[Opinion\] \(9/27/18\)](#)

[\[Michigan\] DNR Shares Powerful Asian Carp Video \(10/10/18\)](#)

A new two-minute video highlighting the damage done in Illinois by Asian carp is being promoted by the Michigan Department of Natural Resources. The video was posted by the group “Block Asian Carp” with a link to a petition urging immediate action by the state of Illinois to fully sign on to Governor Snyder’s pledge to have Michigan pay the share for states unable or unwilling to spend the needed money to implement the U.S. Army Corps of Engineers plan to block the invasive fish at the Brandon Road Lock and Dam in Joliet, Illinois.

[\[Kentucky\] Officials aim to install system to block invasive fish \(10/1/18\)](#)

Kentucky officials say they are aiming to install a riverbed bubbler and sound system in Lake Barkley early next year as an environmentally friendly way to block the spread of an invasive fish... The agency says the Bio-Acoustic Fish Fence creates a curtain of bubbles, which, along with a powerful sound signal, produces a “wall of sound” underwater.

[\[Ohio\] Army Corps Wants Wall In Akron To Stop Invasive Species \(10/4/18\)](#)

The Army Corps of Engineers is looking to protect its southern flank from invasive species. It's putting up \$2 million to stop the Asian carp and other species from getting any farther north than Akron.

[Decline in native fish species: Invasive species on the increase \(10/1/18\)](#)

The majority of Bavaria's watercourses are in poor ecological condition. A team has now conducted the first [systematic analysis](#) of long-term data on fish stocks in the Upper Danube, Elbe and Main rivers. The team concluded that native fish species are on the verge of extinction, while the populations of some invasive species are increasing.

[Scientific Publication] Adam J. Sepulveda, Patrick R. Hutchins, Robert L. Massengill and Kristine J. Dunker. 2018. [Tradeoffs of a portable, field-based environmental DNA platform for detecting invasive northern pike \(*Esox lucius*\) in Alaska](#). Management of Biological Invasions 9:3 (253–258)

[Scientific Publication] William G. Simpson, Douglas P. Peterson, Kurt Steinke and Linda Beck. 2018. [The efficacy of killing developing common carp embryos with electricity: using a laboratory evaluation to assess a potential means of reducing the recruitment of an invasive fish](#). Management of Biological Invasions 9:3 (279–290)

[Scientific Publication] Przemyslaw G. Bajer, Aaron C. Claus, Jordan Wein and Emil Kukulski. 2018. [Field test of a low-voltage, portable electric barrier to guide invasive common carp into a mock trap during seasonal migrations](#). Management of Biological Invasions 9:3 (291–297)

[Scientific Publication] Aaron R. Cupp, Justin R. Smerud, John A. Tix, Susan M. Schleis, Kim T. Fredricks, Richard A. Erickson, Jon J. Amberg, William S. Morrow, Carolyn Koebel, Elizabeth A. Murphy, Chad Vishy and K. Douglas Blodgett. 2018. [Field evaluation of carbon dioxide as a fish deterrent at a water management structure along the Illinois River](#). Management of Biological Invasions 9:3 (299–308)

AQUACULTURE

[\[California\] Huge fish farm might hatch offshore of San Diego; near La Jolla and Mission Beach areas \(9/26/18\)](#)

The first commercial offshore fish farm in the U.S. may open less than four miles off the coast of San Diego. Three miles, the legal definition of offshore, is where federal waters start and regulation by state and local municipalities ends. The Hubbs-SeaWorld Research Institute (HSRI), a research non-profit partially funded by SeaWorld, is partnering with unidentified investors in the Pacific Ocean Aquafarms (POA) Project, a complex of open fish pens that could bring more than 10 million pounds of seafood to market every year.

[Ottawa to test for risks of virus transfer from farmed to wild salmon on B.C. coast \(9/25/18\)](#)

Ecojustice sued the fisheries minister in Federal Court earlier this month, alleging the government fails to test farmed salmon for the virus before it allows companies to transfer the fish to open-net pens along salmon migration routes.

[\[Washington\] Announcement about final decision to deny NPDES permit \(9/27/18\)](#)

The Department of Ecology has announced its decision to deny the application from the Willapa Grays Harbor Oyster Grower Association (WGHOGA) for a new permit to use the pesticide imidacloprid to control native burrowing shrimp.

[Fisheries and Oceans Canada launches assessment to examine the risk of Piscine Reovirus transfer from farmed Atlantic salmon aquaculture \(9/25/18\)](#)

The Honourable Jonathan Wilkinson, Minister for Fisheries, Oceans and the Canadian Coast Guard, announced today that Fisheries and Oceans Canada has launched a science review to assess risks associated with Piscine Reovirus (PRV) transfer from Atlantic salmon farms. The results of the assessment will support decision making on sustainable aquaculture and aquatic animal health in Canada, including in the Discovery Islands and Broughton Archipelago.

OTHER

[\[Arizona\] Discovery of invasive snail species in Scottsdale waterway a cause for concern \(10/9/18\)](#)

Recently, snails belonging to the Apple Snails species have been spotted in a Scottsdale waterway [Video Report]

[\[Guam\] Wildlife Services responds to typhoon \(9/20/18\)](#)

...With damage to the airport, power outages and widespread damage, the U.S. military agreed to provide transportation for first responders between the four major islands of Saipan, Tinian, Rota and Guam. Disaster relief will be arriving in cargo shipments, many from Guam, which is the source of concern. “Our program is asking all agencies, businesses and citizens on Rota to make sure all boats, planes and cargo arriving from Guam receive a required snake inspection from the CNMI Brown treesnake program or USDA upon arrival,” said Kevin Donmoyer...

[Special Issue Journal of Environmental Management: Economics of Invasive Species Management](#) [preview abstracts only, full articles require payment\$\$\$\$]

- Optimal renewable resource management in the presence of endogenous risk of invasion. Ram Ranjan, Elizabeth Marshall, James Shortle
- Learning-by-catching: Uncertain invasive-species populations and the value of information. Sean T. D'Evelyn, Nori Tarui, Kimberly Burnett, James A. Roumasset
- Robust detection protocols for uncertain introductions of invasive species. L. Joe Moffitt, John K. Stranlund, Craig D. Osteen
- Integrating drivers influencing the detection of plant pests carried in the international cut flower trade. F.J. Areal, J. Touza, A. MacLeod, K. Dehnen-Schmutz, ... N.J. Spence
- NAFTA and member country strategies for maritime trade and marine invasive species. Linda Fernandez
- A two-agent dynamic model with an invasive weed diffusion externality: An application to Yellow Starthistle (*Centaurea solstitialis* L) in New Mexico. Kristine M. Grimsrud, Janie M. Chermak, Jason Hansen, Jennifer A. Thacher, Kate Krause
- A biome-scale assessment of the impact of invasive alien plants on ecosystem services in South Africa. B.W. van Wilgen, B. Reyers, D.C. Le Maitre, D.M. Richardson, L. Schonegevel

[Scientific Publication] Michael J. Mangiante, Amy J. S. Davis, Stephanie Panlasigui, Matthew E. Neilson, Ian Pfingsten, Pam L. Fuller and John A. Darling. 2018. [Trends in nonindigenous aquatic species richness in the United States reveal shifting spatial and temporal patterns of species introductions.](#) Aquatic Invasions 13:3 pp 323–338

[Scientific Publication] Brett M. Johnson, William M. Pate, Douglas B. Silver and Julia L. Sharp. 2018. [Invasion success and population characteristics of the opossum shrimp, *Mysis diluviana*, in Wyoming, USA.](#) Aquatic Invasions. 13:3 pp 409–420.

[Scientific Publication] Erica Keppel, Maria Ana Tovar-Hernández and Gregory Ruiz. 2018. [New records of the non-indigenous species Branchiomma bairdi and B. conspersum \(Polychaeta: Sabellidae\) on the Pacific coast of North America](#). Bioinvasions Records 7:3(229–236)

WEEDS

[Entrepreneurs step up to aquatic invasive species on boats \(10/4/18\)](#)

...“In Minnesota, it is the law to clean (boats and trailers) to avoid fines and tickets,” Anderson said. That’s where the idea for the Aqua Weed Stick originated. She came up with the concept of an attachment that hooks and pulls weeds but needed some extra expertise to make it a reality. So she turned to Justin Kofoed, her boyfriend... Their website, aquaweedstick.com, provides details for the product and videos featuring Anderson that show how it works. The Aqua Weed Stick is designed to attach to most threaded handles on the market, including broom handles, extendable paint roller handles and others. It can push, pull, scrape and cut weeds, and reach narrow spaces much more easily than if done by hand...

[\[Wisconsin\] Crews search lake for new invasive plant species \(10/3/18\)](#)

Crews from the state Department of Natural Resource and the [Geneva Lake](#) Environmental Agency raked plants along the lakeshore to look for evidence of an algae known as "starry stonewort." Starry stonewort is an invasive species that grows into thick bushes that can take over breeding areas for fish, overcome native vegetation and disrupt a lake's recreational activities.

JOBS/GRANTS

[Post-Doc: Endangered Species Research and Invasive Species Impacts in Florida, University of Florida. Last day to apply 1/15/19 \(start date as early as 11/01/18 position open until job filled\).](#) We are looking for a dynamic Postdoctoral Researcher to oversee three conservation ecology projects in Florida. The projects will examine the loss of ecological functions (scavenging, frugivory, granivory) in the Everglades from invasive pythons and the factors limiting the population and two rarely-studies endangered species, the Florida salt marsh vole and the silver rice rat. The selected applicant will hire, train and supervise a team of technicians on each project and be responsible for managing permits and coordinating with state and federal agencies. They will also be asked to conduct statistical and spatial analysis and to generate manuscript from the projects. The job will require some travel and field work during the first year of the projects. The selected applicant will be given the flexibility to expand these studies to accommodate their interests and skills. By taking the lead on three important conservation ecology projects, this job provides an outstanding opportunity for professional growth. The postdoc will work closely with and be supervised by the principle investigator (Dr. McCleery <http://www.themccleerylab.org/>) and will be housed at the University of Florida.

GRANTS

The [NOAA Marine Debris Program](#) is proud to announce our FY19 “Marine Debris Removal” federal funding opportunity. Projects awarded through the removal grant competition will create long-term, quantifiable ecological habitat improvements for NOAA trust resources, with priority consideration for efforts targeting derelict fishing gear and other medium- and large-scale debris. Projects should also foster public awareness of the effects of marine debris to further the conservation of living marine resource habitats, and contribute to the understanding of marine debris composition, distribution and impacts. **The submission period for removal proposals will extend from August 20 - October 29, 2018.** For more information on this FY19 grant opportunity, please visit www.Grants.gov and the [NOAA Marine Debris Program’s website](#).

[RFP to prepare a joint TRPA EIS and a CEQA Environmental Impact Report for the Tahoe Keys Lagoons Restoration Project](#)

Joint TRPA EIS and CEQA Environmental Impact Report for the Tahoe Keys Lagoons. Tahoe Keys, is a residential development that includes approximately 170 acres of channels, waterways and lagoons that directly connect to Lake Tahoe. The project proponent has proposed the use of aquatic herbicides, which have never been used in Lake Tahoe nor any other Outstanding National Resource Water (Tier III). Restoration Project Deadline for questions: 5 pm PST, September 28, 2018 Response to questions: 5 pm PST, October 3, 2018 **Deadline for submittal of complete proposal: 5 pm PST, October 19, 2018**

[Aquatic Invasive Species Grants – Call for Applications](#)

The Montana Department of Natural Resources and Conservation (DNRC) Reclamation and Development Grants (RDG) Program offers state-funded grants for the prevention and control of aquatic invasive species (AIS). Preference will be given to species on the Montana Noxious Weed List and to zebra/quagga mussels. The goal of the grants is to protect the natural resources of Montana from severe and unacceptable damage from aquatic invasive species.

Eligible Activities: Activities include but are not limited to aquatic invasive species: (1) outreach and education; (2) prevention; (3) surveying and monitoring; (4) control; (5) treatment demonstration, research or design; or (6) other related actions.

Who is Eligible: AIS grants are available to state, city, county, tribal governments, or other local government subdivisions within the state.

DEADLINE: Grant applications must be submitted via email or postal mail by close of business Monday, December 3, 2018 by 5 p.m.

Contact: For technical questions about AIS projects, please contact Stephanie Hester, 406-444-0547, shester@mt.gov. For all other questions about the grant program, administration and reporting contact Heidi Anderson Folnagy, 406-444-6691, hfolnagy@mt.gov.

[Click here for the application and for additional information.](#)

[RFP for equipment and services to construct a watercraft decontamination unit at Lake Tahoe.](#) Tahoe Regional Planning Agency Seeks Bids for Construction of Watercraft Decontamination Equipment. **Deadline for Submittal of Complete Proposal: Friday, October 19, 2018**

Arizona has released a request for proposals for statewide professional inspection and decontamination services. Please pass this information along to any interested parties. Bidders

must be registered <https://procure.az.gov/bso/> in order to view and make a bid. The open bid number is AGFD19-00008561. **Bids close October 18th at 3:00 PM (AZ time).**

FEDERAL/STATE/PROVINCIAL LEGISLATION, RULES, ACTIONS

NEW: An AIS legislative table is now up on the web on the www.westernais.org website... go to [https://www.westernais.org/regulations](http://www.westernais.org/regulations) and scroll all the way to the bottom

State

[\[WGA\] Gov. Mead urges Working Lands Roundtable attendees to ‘make a difference’ in land management, invasive species policy \(10/11/18\)](#)

Wyoming Gov. Matt Mead urged attendees to “make a difference” on land management and invasive species policy at the WGA Working Lands Roundtable... The Governor, a past Chair of WGA, detailed several invasive species, including cheatgrass and pathogens, that plague his state. And he reminded that the work is ongoing.

Executive

[NOAA Fisheries: Statement on Recent Court Ruling on Aquaculture \(9/26/18\)](#)

NOAA is considering whether to appeal the Eastern District of Louisiana’s finding that NOAA does not have regulatory authority to regulate aquaculture under the Magnuson-Stevens Fishery Conservation and Management Act.

Given conflicting court decisions and the desire for regulatory certainty, NOAA supports congressional efforts to clarify the agency’s statutory authority to regulate aquaculture.

NOAA remains committed to expanding the social, environmental, and economic benefits of sustainable marine aquaculture in the U.S. It is important to note that this ruling is not a prohibition on marine aquaculture, either nationally or in the Gulf of Mexico, and we will continue to work with stakeholders through existing policies and legislation to increase aquaculture permitting efficiency and predictability.

Congressional

[Portman, Brown sign letter urging Army Corps to stop Asian carp \(10/1/18\)](#)

[Sen. Rob Portman](#) is leading a letter to the Army Corps of Engineers urging them to fully pay for Lake Erie projects, including the stopping of Asian carp. The Ohio Republican, who co-chairs the Senate Great Lakes Task Force with [Sen. Debbie Stabenow, D-Mich.](#),

led the letter, which was signed by members of the task force including [Sen. Sherrod Brown, D-Ohio](#).

The letter, to R.D. James, assistant secretary of the Army, requests, among other things, that the Army Corps complete the Brandon Road Lock and Dam Chief's Report and begin work on a solution to prevent Asian carp from entering the Great Lakes. The invasive species have the potential to threaten the Lakes' native species and upend the fishing industry in the region.

"These actions are critical to protecting the Great Lakes ecosystem and our \$7 billion recreational fishing and \$16 billion boating industries," the senators wrote. They are asking for a total of \$23.51 million in fiscal 2019 to help complete the work, including \$496,000 to complete the Brandon Road study and \$3.8 million to move forward on pre-construction engineering and design work. The request also includes \$18.9 million for electric barriers near Romeoville, Illinois.

[H.R.6255](#) Introduced by [Rep. Soto, Darren \[D-FL-9\]](#) To amend title 18, United States Code, to establish measures to combat invasive lionfish, and for other purposes.

(a) Addition Of Species Of Lionfish To The List Of Injurious Species That Are Prohibited From Being Imported Or Shipped; (b) Exemption From Permitting For Movement In Commerce. [Full Text Here](#)

[S.3508](#) - Save Our Seas Act of 2018. Introduced by [Sen. Sullivan, Dan \[R-AK\]](#) To reauthorize and amend the Marine Debris Act to promote international action to reduce marine debris, and for other purposes. [\[Full Text Here\]](#) Passed by unanimous consent in Senate. Passed without objection in House. **Became Public Law No: 115-265.**

Related: [Bill Championed by Bonamici, Young to Clean Up Oceans Signed Into Law \(10/11/18\)](#)

[H.R.6966](#) - Advancing the Quality and Understanding of American Aquaculture Act aka AQUAA Act. To establish a regulatory system for marine aquaculture in the United States exclusive economic zone, and for other purposes. Introduced by [Rep. Palazzo, Steven M. \[R-MS-4\]](#) [\[Full Text Here\]](#)

Related: [Palazzo and Peterson Introduce Bill to Advance Aquaculture in the United States \(9/28/18\)](#)

"This bill helps develop an industry that will create jobs, support our coastal communities, and put us on the right track to reducing our seafood trade deficit in a safe and sustainable way. The United States does not have a comprehensive, nationwide permitting system for marine aquaculture in federal waters. Our bill seeks to rectify this by establishing an office under NOAA that would be charged with coordinating the federal permitting process." Palazzo said. "It would also fund research and extension services for several existing aquaculture priorities."

[Federal Aquaculture Act – Aquaculture's net gains unite rivals in US \(10/1/18\)](#)

In a rare show of common ground in Trump's America, Palazzo and Peterson introduced the Advancing the Quality and Understanding of American Aquaculture (AQUAA) Act last Friday to increase the United States involvement and production of healthy, sustainable, and affordable seafood.

[H.R. 4647 Recovering America's Wildlife Act]

GRIZZLY BEARS AND FOX SQUIRRELS, OH MY: The Senate Environment and Public Works Committee will dive into issues surrounding state conservation, recovery and wildlife management today. John Kennedy, deputy director of the Wyoming Game and Fish Department; Mike McCormick, president of the Mississippi Farm Bureau Federation; and Cindy Dohner, former Southeast regional director of the U.S. Fish and Wildlife Service, will testify.

Ahead of the hearing, the National Wildlife Federation sent a letter to committee leadership pointing toward H.R. 4647 (115), the Recovering America's Wildlife Act. "The bipartisan Recovering America's Wildlife Act offers an alternative way forward where Yellowstone's Grizzly Bear and the Chesapeake's Delmarva Fox Squirrel are examples other states can follow," they write. [[Archived webcast here](#)].

Related: [Recovering America's Wildlife Act reaches 100 co-sponsors \(10/1/18\)](#)

The Wildlife Society and the American Fisheries Society recently sent a [letter](#) to the Senate Energy and Natural Resources Committee requesting that discussions on the need for proactive wildlife conservation funding be folded into existing discussions on an overall conservation funding framework. These discussions currently include reauthorization of the Land and Water Conservation Fund and funding for the federal lands maintenance backlog – both of which will be brought up at a Senate Energy and Natural Resources Committee hearing on Oct. 2.

America's Water Infrastructure Act of 2018 [aka WRDA]

Congress Passes America's Water Infrastructure Act (10/10/18)

WASHINGTON, D.C. — Today, U.S. Senator John Barrasso (R-WY), chairman of the Senate Committee on Environment and Public Works (EPW), and committee ranking member Tom Carper (D-DE), Transportation and Infrastructure Subcommittee chairman Jim Inhofe (R-OK), and Transportation and Infrastructure Subcommittee ranking member Ben Cardin (D-MD) released the following statements on the Senate's passage of S. 3021, America's Water Infrastructure Act of 2018.

The bipartisan legislation passed the Senate by a vote of 99 to 1. The bill will now go to the president to be signed into law. America's Water Infrastructure Act is the most sweeping infrastructure package to be considered this Congress. It grows the economy,

keeps communities safe, cuts red tape and is fiscally responsible. The House of Representatives passed the legislation by voice vote.

Read the text of *America's Water Infrastructure Act* ([S. 3021](#))

[Editor's Note: For a summary of AIS provisions in the bill see the "Congressional" section of the 9/26/18 AIS News <https://www.waternais.org/news>. [S 3021 \(page 35\)](#) has one error that will need to be corrected as there is no "Arizona Basin". It should read "Arkansas River Basin"...stay tuned]

Related:

[Congress sends bill with pro-tribal provisions to President Trump \(10/15/18\)](#)

[Congress signs off on water bill with projects to help Lake Erie \(10/10/18\)](#)

[Corps of Engineers in mussels battle \(10/11/18\)](#)

Ballast Water (VIDA)

[\[Opinion\] Sensible water discharge policy waiting for Congress to act \(10/6/18\)](#)

.....The balanced, commonsense approach that [Vessel Incidental Discharge Act] VIDA takes to drastically improve the efficiency of maritime commerce while maintaining the highest standards for marine environmental protection has earned this legislation a diverse range of supporters....

[Hawaii In The Thick Of DC Battle Over Ballast Water Dumping \(10/4/18\)](#)

Political maneuvering over invasive species and pollution standards has reached Hawaii's waters... The legislation initially had bipartisan support, including from U.S. Sen. Brian Schatz, who was a co-sponsor of the Commercial Vessel Incidental Discharge Act. It would have created a single federal standard overseen by the U.S. Coast Guard rather than the Environmental Protection Agency. Environmental groups, as well as 10 attorneys general from Maine to California, were worried at the time about the proposed regulations, saying the bill was an attempt by industry lobbyists to dismantle rules that protect the country's waters from the "scourge of invasive species."

NOW WHAT— We've heard that there will be another vote on [S.1129](#) (to which a **revised** VIDA is attached) on November 13, 2018. According to Allen Pleus, WDFW, "Initial review of the revised legislation **shows continued significant and unacceptable preemption of state authorities**, complexities in transitioning federal authorities under Sec. 312 of the CWA, and creating gaps in how the EPA's discharge standards will be implemented by USCG." Contact Allen @ Allen.Pleus@dfw.wa.gov for further information.....stay tuned!!

BUDGET

President Signs "Minibus" Including Defense Spending Bill and Continuing Resolution (10/1/18)

FY 2019 appropriations for Department of Defense and Labor, Health and Human Services, Education Appropriations Act, and Continuing Appropriations Act ([H.R. 6157](#))

[Senate Vote](#)

[House Vote](#)

[Joint Explanatory Statement Of The Committee Of Conference](#)

Related:

- [Donald Trump signs bill to increase military spending, avert shutdown](#)
- [Shelby: Deal close on third minibus spending package](#)
- [Trump signs spending bill, averts shutdown threat until December](#)

TRAININGS, WEBINARS, CONFERENCES AND MEETINGS

Recently Archived

[WGA Working Lands Roundtable](#): Western Governors' Biosecurity and Invasive Species Initiative 10/11 – 10/12 WY. Links to watch videos of Day 1 and Day 2 sessions.

Events: Webinars, Trainings, Conferences and Meetings

HACCP Trainings

The U.S. Fish and Wildlife Service has Hazard Analysis Critical Control Point courses upcoming this fall and winter. HACCP plans are a tool to help natural resource professionals prevent spread of invasives while conducting their field work.

HACCP - November 14-15 at University of Nebraska-Lincoln. Joanne Grady instructor with Allison Zach. For more information contact mailto:joanne_grady@fws.gov

[HACCP](#) and [HACCP Train the Trainer](#) - January 14-15 and January 16-18, 2019, respectively, at the National Conservation Training Center in Sheperdstown, WV - Instructors may include Susan Pasko, Barak Shemai, Jonathan Thompson and Joanne Grady

Watercraft Inspection and Decontamination Trainings

Fall 2018 / Spring 2019 Lake Mead & Lake Powell

The Pacific States Marine Fisheries Commission and its 100th Meridian Initiative partners are announcing and sponsoring several types of WIT Trainings.

ONLINE REGISTRATION HAS BEGUN for the following:

2/5 – 2/7, 2019	Lake Powell	WIT III
2/26 – 2/27, 2019	Lake Mead	WIT II
3/26 – 3/27, 2019	Lake Mead	WIT II
4/9 – 4/10, 2019	Lake Mead	WIT II

Openings are limited!!! Availability will close when class becomes full. An acceptance email will be sent for WIT III

TO REGISTER: Go to <http://www.westernais.org> for more information. There are different registrations for Advanced Decontamination and Trainer Training (WIT III) classes. Click on the training tab of class you are interested in attending and register on that page link. These trainings do cost money and it is important that we fill all available openings. Please try to make sure that when you sign up for the class that you can attend so that we don't end up paying for empty seats that could be used by others.

QUESTIONS? Should you have any questions or would like to host a training, please contact WIT Trainer Quagga D Davis at (702) 236-3814 or quaggadee@cox.net

On July 12, The Western Governors' Association launched the WGA [Biosecurity and Invasive Species Initiative](#), the signature initiative of WGA Chair, Hawaii Governor David Ige. The Initiative will focus on the impacts that nuisance species, pests, and pathogens have on ecosystems, forests, rangelands, watersheds, and infrastructure in the west, and examine the role that biosecurity plays in addressing these risks. The goal is to examine emerging issues in biosecurity and invasive species management in the West, and develop a set of policy recommendations, best practices, and technical tools to address those issues. The Initiative will accomplish this goal, in part, through webinars and a series of [workshops](#) across the West. The dates, locations, topics, agendas, and registration links for the upcoming workshops are below:

- **Cheyenne, Wyoming, Oct. 11-12, 2018.** Topic: *WGA Working Lands Roundtable: Invasive Species and Restoration* ([Agenda](#)). Register [here](#).
- **Helena, Montana, Nov. 14, 2018.** Topic: *Early Detection and Rapid Response* ([Agenda](#)). Register [here](#).
- **Kona Coast, Hawaii, Dec. 9-10, 2018.** Topic: *Biosecurity and Agriculture* ([Agenda](#)). Register [here](#).

If you would like to attend any of the initiative workshops, or if you have any questions about the initiative more generally, please contact [Bill Whitacre](#) with WGA. Please feel free to share this information with your contacts.

OCTOBER

Join the [Western Regional Panel](#) in Tacoma, Washington this fall. The WRP will hold their annual meeting October 24-26, 2018 in Tacoma, Washington. Washington Department of Fish and Wildlife will be our local host for the event. • Meeting attendees can take advantage of the special rate at Hotel Murano of \$117 plus taxes and fees. You may book your room online here [The Western Regional Panel on ANS is accepting presentation suggestions for their upcoming Annual Meeting.](#) <mailto:leah@stopais.org>

NOVEMBER

[21st Ballast Water Management Conference.](#) November 7th - 8th 2018, Rotterdam - The Netherlands

[Invasives 2.0 City of Portland Bureau Of Environmental Services](#)

The City of Portland is auditing and revising its 2008 Invasive Plants Strategy, a regional analysis of invasive plant issues, which led to substantial changes to city policy, code, and management of natural areas, parks, other city properties, and streets. The City of Portland has embarked on a new “all-taxa” strategy: the Invasive Species Strategy Review and Enhancement Project (“Invasives 2.0”), addressing identified gaps, lessons learned, and new management principals. Join us on November 7, 2018, from 12:30pm-4:30pm at the World Forestry Center, Miller Hall to celebrate past successes, identify key gaps and opportunities, and chart a path forward with regional partners using an all-taxa approach to protecting the city's natural resource assets. Agenda and speakers to be announced. November 7, 2018 Summit World Forestry Center, Miller Hall 12:30PM-4:30PM [Register Here](#)

Save the Date! [Oregon Invasive Species Council's](#) next meeting will be held November 13-14 in the Portland area. More details to come.

[Alaska Invasive Species Workshop: Surf and Turf: Invasive species above and below the tideline](#) November 13-15, 2018 Homer, AK

The Association of Fish & Wildlife Agencies invites you to attend the [Fish & Wildlife Health Forum: Identifying Common Challenges, Needs, and Solutions](#) hosted by USGS at their headquarters (12201 Sunrise Valley Drive, Reston, Virginia), November 14-16.

Registration now open: 2018 Governor's Summit on Invasive Species Please join the Montana Invasive Species Council (MISC) November 15-16, 2018, for an in-depth dialogue and examination of Montana's invasive species regulatory framework

DECEMBER

[Oregon Interagency Noxious Weed Symposium](#) December 4-6 at OSU's LaSells Stewart Center. Register [Here](#)

The next meeting of the 100th Meridian Initiative Columbia River Basin Team will take place December 4-5, 2018 in Boise, Idaho at the [Hyatt Place Boise/Downtown](#). The plan is to hold the Columbia River Basin Dreissenid Mussel Monitoring Forum portion of the meeting at 10:00 a.m., Tuesday December 4. We will begin the “regular” Columbia River Basin Team Meeting Tuesday at ~1:00 p.m. and conclude the meeting at ~3:30 p.m. on Wednesday December 5. Minutes and presentations from past meetings can be found at <https://www.westernais.org/regional>

[Washington Invasive Species Council](#): December 13, 2018, Olympia, [Natural Resources Building](#) Room 172.

SAVE THE DATE: [Innovations in Invasive Species Management Conference](#) and Workshop December 12th-14th, 2018 Nashville, TN. As we prepare the 2018 Conference Website please consider presenting at the 2018 meeting. Suggested topics and a call for papers will go out soon. In the meantime if you have any questions please give Steven Manning a call at 615-969-1309 or send an email at <mailto:steve@ipc-inc.org>.

2019

JANUARY

A symposium titled [“Dreissenid Mussels: Advancements in control, detection, management, and biology”](#) is being organized at the 79th annual Midwest Fish and Wildlife Conference which will be held in Cleveland, OH on January 27-29, 2019 and abstracts will be accepted online for presentations until September 17th. Questions regarding the symposium can be directed to Jim Luoma at jluoma@usgs.gov.

FEBRUARY

Every year the Invasive Species Council of BC holds an Annual Public Forum & AGM. The [INVASIVES 2019](#) Forum takes place Feb 5 - 7, 2019 at the Pacific Gateway Hotel in Richmond, BC

MARCH

[Montana Lakes Conference](#), March 13 -15, 2019. The Montana Lakes Conference will gather diverse resource professionals to exchange information, scientific advancements, and management strategies that promote clean and healthy lake and reservoir ecosystems.

October

[The 21st International Conference on Aquatic Invasive Species](#) (ICAIS) will be held at Le Centre Sheraton Montreal, Montreal, Canada. October 27-31, 2019

2019



IC AIS



OCTOBER 27-31, 2019

Le Centre Sheraton
Montreal, QC, Canada

21ST INTERNATIONAL CONFERENCE ON AQUATIC INVASIVE SPECIES



TO UNSUBSCRIBE/SUBSCRIBE to the *AIS NEWS* email sphillips@psmfc.org.

AIS NEWS was compiled by Stephen Phillips and Robyn Draheim. Past issues of *AIS NEWS* can be found @ <http://www.westernais.org/> under the “News” tab