



## AQUATIC INVASIVE SPECIES NEWS

03/16/2018

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### DREISSENID MUSSELS

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#### [Marrone Bio Innovations Announces Zequanox Distribution Partnership \(3/15/18\)](#)

Marrone Bio Innovations, Inc. (MBI), a leading provider of bio-based pest management and plant health products for the agriculture, turf and ornamental and water treatment markets, today announced that it has signed an exclusive distribution agreement with Solenis, a global expert in water treatment and process chemistries, to provide Zequanox® molluscicide treatment programs for enclosed and semi-enclosed water systems in the United States and Canada. Zequanox molluscicide is a patented, naturally derived aquatic biopesticide that effectively controls all life stages of invasive zebra and quagga (dreissenid) mussels...

#### [Interior Releases Report on Fight Against Invasive Mussels \(2/28/18\)](#)

WASHINGTON – The U.S. Department of the Interior today released a [report highlighting the progress made in the fight against invasive zebra and quagga mussels](#), which can impair the delivery of water and power, diminish boating and fishing, and devastate ecosystem health. The report comes after U.S. Secretary of the Interior Ryan Zinke [announced in June](#) a set of initiatives to protect western ecosystems and

hydroelectric facilities from the destructive species through continued collaboration with western governors as well as federal, state, and tribal agencies. “I am pleased to share progress made on honoring those commitments,” said Secretary Zinke. “There is more work to do, and Interior is committed to continuing our efforts. With the busy boating season approaching, it is imperative that we are vigilant in taking measures to prevent the spread of invasive mussels and other aquatic invasive species.”

[\[Kansas\] New treatment appears successful in decreasing number of invasive zebra mussels in city's water main \(2/26/18\)](#)

After six months of using special electrical currents to treat a water main coated with an invasive species of mussels, city utility officials say they have seen a significant decrease in their numbers. Last spring, the city discovered a blossoming zebra mussel colony inside the transmission main that brings water from Clinton Lake to the Clinton Reservoir Water Treatment Plant. City officials said that in a relatively short period of time, the colony had extended for 2,000 feet within the pipe.

[Bureau Receives 99 Proposals in Competition for Solutions to Stop Spread of Invasive Mussels \(3/2/18\)](#)

The Bureau announced in December that it would be seeking “innovative solutions for the 100 percent eradication of invasive quagga and zebra mussels, lakes and rivers in a cost-effective and environmentally sound manner.” The challenge is actually a competition, with applicants aiming for a \$100,000 purse that will be split among a maximum five winners. Peter Soeth, a public affairs specialist with the Bureau in Denver, reports that 99 solution proposals were submitted by the Feb. 28 deadline.

[\[South Dakota\] Clamping Down; Lewis & Clark Park to Boost Zebra Mussel Efforts \(3/4/18\)](#)

Zebra mussels are now a fact of life for the Lewis and Clark Recreation Area, and conservation officers are ramping up their containment efforts for the upcoming season. “We’ve pretty well accepted the fact that we have them, and at least in the near future, there’s no feasible way to get rid of them,” said Dan Altman, conservation officer at Lewis and Clark Recreation Area. “Where we’re at right now is figuring out the best way to manage them, live with them and, most importantly, prevent them from spreading elsewhere.”

[Alewife hit a record low in Lake Michigan in 2017 \(2/23/18\)](#)

... Madenjian said the lake's forage fish were undergoing a double whammy of top-down and bottom-up effects. Not only are predator fish eating the smaller fish, but other organisms, principally quagga mussels, have limited the amount of food available for forage fish...

### [\[British Columbia\] Feds answer to mussel worry \(3/5/18\)](#)

The federal government has told the Okanagan Basin Water Board that it "takes very seriously" risks posed by zebra and quagga mussels, after the board raised concerns last month. In a letter issued on Feb. 19, Minister of Fisheries Dominic LeBlanc said the Department of Fisheries and Oceans will soon be meeting with the B.C. government and key stakeholders, including the OBWB, to discuss aquatic invasive species.

### [\(South Dakota\) Dam Upgrade Will Cause Restrictions on Boaters \(2/22/18\)](#)

...Finally, the Dam will be adding an ultraviolet light treatment apparatus for the lake water in order to deal with invasive species like the zebra mussel...

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

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### [\[British Columbia\] Tightening the defense against invasive mussels \(3/12/18\)](#)

It began from a conversation Toni Clark engaged in with a biologist at a recreation volleyball game in Kelowna. What evolved was Clark realizing there was a potential breach in the efforts to prevent zebra and quagga mussel invasive species from gaining a foothold in Okanagan Lake and other local waterways.

### [\[Montana\] Basin Commission Votes to End AIS Pilot Program \(2/27/18\)](#)

The Flathead Basin Commission has voted to end a pilot program the Montana Legislature enacted to combat invasive mussels from spreading to local waters after encountering a legal snafu, walking back its earlier efforts to enforce a boat-inspection program that would have furnished additional protections on the Flathead Lake watershed...

### [Watercraft Inspection Stations Opening In Western Montana \(3/12/18\)](#)

State and tribal agencies are opening mandatory boat check stations this week to screen incoming watercraft for invasive species, like zebra and quagga mussels. Montana Fish, Wildlife and Parks will open an inspection station at its regional office in Kalispell Thursday, March 15. The Confederated Salish and Kootenai Tribes will open the Ravalli check station on Friday, March 16. The station along I-15 in Dillon will open Saturday, March 31, with more stations opening on a rolling schedule leading up to Memorial Day.

Related: [To Counter Invasive Mussels, State Closes Some Tiber Reservoir Boat Launches \(3/15/18\)](#)

### [\[Colorado\] Invasive mussel species is knocking at our door \(3/9/18\)](#)

Colorado has no known quagga infestation and Walters' labors were intended to prevent one, while demonstrating how the mussels can clog up a motor, or a waterway, and how difficult they can be to remove.

### [North Dakota game wardens issue more citations in 2017 \(3/6/18\)](#)

... "Aquatic nuisance species violations are up," he added. "We put a lot of effort into ANS enforcement, as we work toward a time when boaters and anglers make it a habit to check their equipment."...

### [\[Texas\] Boaters key to slowing invasive species \(3/3/18\)](#)

Texas lakes need that help. The state has seen a disturbing flurry of discoveries of new infestations by two of the most virulent aquatic invasives - giant salvinia and zebra mussels - over the last year. Seven lakes have been affected, with four new infestations discovered or confirmed in the last month.

### [\[Nevada\] Efforts to quell invasive species continue \(2/27/18\)](#)

...Christie Vanover, spokeswoman for Lake Mead National Recreation Area, said they are working to educate people about invasive species through social media. Within the recreation area there are invasive plants and animals, including the quagga mussel, which is one of the most notable in the park. According to Vanover, the mollusks vary in size — from microscopic to the size of a quarter — and were first discovered in Lake Mead in 2007. They are also found in Lake Mohave....

### [\[Minnesota\] Dock proposal to include invasive species boat washing station \(2/23/18\)](#)

A dock that would provide safe harbor for larger boats in Ranier now also may include an aquatic invasive species boat washing station. The Koochiching County Board Tuesday approved a request of \$5,000 of AIS money to assist a 12-person steering committee working on the dock plan...

## **MARINE**

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Biological Invasions Special Issue: [Transoceanic Dispersal of Marine Life from Japan to North America and the Hawaiian Islands as a Result of the Japanese Earthquake and Tsunami of 2011. February 2018. Edited by: James T. Carlton and Amy E. Fowler](#)

- [Ecological and biological studies of ocean rafting: Japanese tsunami marine debris in North America and the Hawaiian Islands](#)
- [Ocean rafting and marine debris: A broader vector menu requires a greater appetite for invasion biology research support](#)
- [Tsunami-generated rafting of foraminifera across the North Pacific Ocean](#)
- [Porifera \(Sponges\) from Japanese Tsunami Marine Debris arriving in the Hawaiian Islands and on the Pacific coast of North America](#)
- [Hydroids \(Cnidaria: Hydrozoa: Leptothecata and Limnomedusae\) on 2011 Japanese tsunami marine debris landing in North America and Hawai‘i, with revisory notes on Hydredendron Hincks, 1874 and a diagnosis of Plumaleciidae, new family](#)
- [Chitons \(Mollusca: Polyplacophora\) rafted on tsunami debris from Japan to the shores of Washington, Oregon, and Hawai‘i](#)
- [Species diversity and abundance of shipworms \(Mollusca: Bivalvia: Teredinidae\) in woody marine debris generated by the Great East Japan Earthquake and Tsunami of 2011](#)
- [A molecular phylogeny of wood-borers \(Teredinidae\) from Japanese Tsunami Marine Debris](#)
- [Harpacticoid copepods associated with Japanese tsunami debris along the Pacific coast of North America](#)
- [Transoceanic transport of living marine Ostracoda \(Crustacea\) on tsunami debris from the 2011 Great East Japan Earthquake](#)
- [Transoceanic rafting of Bryozoa \(Cyclostomata, Cheilostomata, and Ctenostomata\) across the North Pacific Ocean on Japanese tsunami marine debris](#)
- [Bugula tsunamicensis n. sp. \(Bryozoa, Cheilostomata, Bugulidae\) from Japanese tsunami marine debris landed in the Hawaiian Archipelago and the Pacific Coast of the USA](#)
- [Trans-Pacific rafting in tsunami associated debris by the Japanese yellowtail jack, Seriola aureovittata Temminck & Schlegel, 1845 \(Pisces, Carangidae\)](#)
- [The Western Pacific barred knifejaw, Oplegnathus fasciatus \(Temminck & Schlegel, 1844\) \(Pisces: Oplegnathidae\), arriving with tsunami debris on the Pacific coast of North America](#)

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### [Japanese Tsunami Litters North American Shores with 10 Times the Trash \(3/12/18\)](#)

Now, scientists estimate that following the tsunami there were more than 10 times as much debris washing ashore in North America than what was measured before...

### [Invasive Species Awareness Week calls attention to problem \(2/27/18\)](#)

From European green crabs along the Padilla Bay shoreline to big-leaved knotweed growing along the upper Skagit River, invasive species can be found throughout Skagit County. Those plants and animals can wreak havoc on the environment and impact the economy. Invasive species have cost the state millions and the nation billions in crop and natural resource losses, as well as staff time monitoring and eradicating the species. In an effort to call attention to the widespread problem, the state and nation have designated this week as National Invasive Species Awareness Week.

## BALLAST WATER/BIOFOULING

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### [Statement by the Golden Bear Research Center concerning ballast treatment efficacy \(2/28/18\)](#)

We, the staff of the Golden Bear Research Center (GBRC), wish to provide some perspective as a ballast water management system (BWMS) type-approval testing facility to an article that appeared in a recent issue...

### [BEMA will finalise its structure and officers soon \(2/22/18\)](#)

The embryonic Ballastwater Equipment Manufacturers Association (BEMA) expects to finalise its bylaws, which were issued this week, and appoint its board of directors and officers when it holds its second meeting, “some time before 8 March,” ...

### [Tenth application received for BWMS type approval \(3/13/18\)](#)

The Coast Guard Marine Safety Center received its tenth application for Ballast Water Management System type approval for the BIO-SEA B Ballast Water Management System manufactured by BIO-UV Group. MSC will review the application for compliance with U.S. Coast Guard regulations in 46 CFR 162.060. Once it has been determined that the application meets the requirements, the MSC will issue a type approval certificate.

## FISH

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### [Bass grow in size, number in Lake Erie \(3/10/18\)](#)

The goby is an invasive species, thought to have traveled from its native European waters in the ballast water of freight ships. Gobies have been in Erie and other Great Lakes for nearly 30 years now. They are known to feast on bass, perch and walleye eggs, but fears they would cause irreparable damage to the fishery have been assuaged by the fact that game fish are eating gobies – a lot of them, in fact.

### [\[Alaska\] Fish board approves rotenone use in Tote Road lakes \(3/6/18\)](#)

The Alaska Department of Fish and Game has the first stamp of approval for its project to eliminate the last known populations of northern pike on the Kenai Peninsula. The Board of Fisheries on Tuesday unanimously approved the use of rotenone, a fish-killing poison, to kill northern pike in the lakes along Tote Road south of Soldotna. Fish and Game has been planning to continue its eradication efforts there as the final step in eliminating invasive pike on the Kenai Peninsula.

### [\[Missouri\] Netters clear 47,000 carp from Creve Coeur Lake \(2/27/18\)](#)

Creve Coeur Lake has about 47,000 fewer Asian carp after an elaborate multi-agency netting operation concluded last week, based on preliminary numbers from state fisheries officials.

### [Asian carp barrier to Great Lakes holds in Indiana floods \(2/24/18\)](#)

...The U.S. Army Corps of Engineers, through a spokesman in Detroit, confirmed that although parts of Michiana are badly flooded, Fort Wayne's rainfall was not as bad as forecast and is not considered a threat to the berm. Pearson, the fisheries biologist who made the connection back in Albion, Ind., thinks that the back door has been closed. If Asian carp reach the Great Lakes, experts are confident it won't be through Eagle Marsh. Yankowiak looks forward to even more progress...

### [Congressman wants Louisiana to establish bounty program for Asian carp \(2/26/18\)](#)

A Louisiana congressman is calling on his state's Department of Wildlife and Fisheries to establish a "bounty" program for Asian carp, an invasive species fish he said threatens the state's fishing industry. Rep. Clay Higgins likened the proposed program to one already in place for nutria. That program to curb the presence of the rodent has seen destruction of vegetation decrease by more than 90 percent over a 15-year period.

### [What Challenges Is Arizona Facing With Invasive Fish Species? \(2/22/18\)](#)

It's nothing new for invasive fish species to be found in bodies of water across Arizona. But there's a particularly odd looking kind with human-like teeth — known as Pacu — that is generating a lot of headlines and questions...

### [National parks battle alien troublemakers \(2/23/18\)](#)

At Biscayne National Park in Florida, workers have removed over 7,700 lionfish since the species was discovered there in 2009...

### [Multi-trophic response to invasive silver carp in a large floodplain river \(3/13/18\)](#)

...Our study provides compelling evidence of multiple trophic-level effects from the silver carp invasion in North America and highlights the importance of long-term data collection and monitoring. Our research shows managers that zooplankton and perhaps phytoplankton are quickly and negatively affected by silver carp, which may eventually cascade into higher trophic levels over longer timescales...

## AQUACULTURE

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### [The future of fish farming \(2/27/18\)](#)

Aquaculture is the only way to meet soaring seafood demand, but it is not without sustainability challenges. Breakthrough Institute's conservation programme director Linus Blomqvist explores how to make the practice more sustainable.

### [Salmon plan could reinvigorate US industry \(2/21/18\)](#)

A Norwegian firm's plan to build one of the world's largest inland salmon aquaculture facilities in Maine has a chance to raise American salmon farming's status on the international stage, people who follow the industry say...

### [Limiting the Spread of Disease in Farmed Salmon \(3/13/18\)](#)

Currents in the ocean spread viruses that are killing large numbers of Norway's farmed salmon. Where should fish farms be built? And should they all be in use at the same time? Researchers now know more about how to limit the virus problem.

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### [Two more sign appeal for science briefing ahead of Washington salmon farming ban vote \(2/2/18\)](#)

Two more "globally recognized" fisheries scientists have added their names to the Feb. 28, 2018 open letter to the Washington legislature asking for the opportunity to provide a science briefing prior to a vote on House Bill 2957, which would ban the farming of Atlantic salmon in the US state.

### [\[Washington\] State kills Atlantic salmon farming in Washington \(2/2/18\)](#)

Atlantic salmon net-pen farming will be phased out in Washington by 2025 under legislation passed by the state Senate on Friday after a tough floor fight and fancy parliamentary footwork. With at least six lobbyists in a last-minute campaign, Cooke Aquaculture Pacific worked hard until the last vote Friday to keep its Atlantic salmon net-pen industry alive in Washington. But in the end the bill, which was buried under a blizzard of amendments, each one defeated, passed on a vote of 31-16.

Related: [Washington Legislature phases out Atlantic salmon farming \(2/2/18\)](#)

### [\[British Columbia\] Fish farm ban 'the right move' Indigenous leader says \(2/5/18\)](#)

The vice-president of the Union of B.C. Indian Chiefs praised Washington state's move to ban fish farms Monday — saying "a perfect mechanism" for this province to follow suit

is just a few months away... Washington state senate bans Atlantic salmon farming in state waters Bob Chamberlin, vice-president of the Union of B.C. Indian Chiefs, said the B.C. government committed earlier this year to giving First Nations a say on whether to renew tenures for 18 fish farms that expire in June 2018.

#### [WFGA to Governor Inslee: Veto the Fish Farm Ban \(3/5/18\)](#)

Calling the newly passed HB 2957—a ban on Atlantic salmon aquaculture in state waters—"ill-conceived and politically motivated rather than based on the best available science," the Washington Fish Growers Association (WFGA) is calling on Governor Jay Inslee to veto the bill this week. "We are appealing to Governor Inslee, a strong believer in science, to use his veto powers to put this nonsensical, punitive legislation to rest," said Dan Swecker, Executive Director of WFGA...

#### [B.C. government 'very interested' in moving open-net fish farms onto land, minister says \(3/7/18\)](#)

The B.C. minister in charge of aquaculture tenures for the province is hinting at a sea change in the provincial government's approach to Atlantic salmon farming in Pacific waters.

#### [\[Washington\] Bill to Outlaw Atlantic Salmon Net Pen Farming Before Governor \(3/12/18\)](#)

The fate of the state's fish farming industry is in jeopardy following the Legislature's passage of a bill that would prohibit new, renewed or extended leases on marine net pen farms that raise "nonnative" fish. The legislation passed the Senate on March 2 and is headed to Gov. Jay Inslee's desk, where it awaits his signature before becoming law. Inslee has said on multiple occasions that he is in support of banning marine net pen facilities that use Atlantic salmon.

## **OTHER**

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#### [WGA's 'Top 50 Invasive Species in the West' offers first regional report \(3/2018\)](#)

...The compilation of terrestrial and aquatic invasive species includes highly-publicized examples such as cheatgrass, quagga mussels, tamarisk and the Emerald Ash Borer. The list also encompasses less well known, but still impactful, examples such as leafy spurge, Red shiner, Russian knapweed and Golden algae. ([Download the complete list](#))

#### [\[Alberta\] Thousands of fish killed in fight against whirling disease \(3/8/18\)](#)

Parks Canada has so far killed and removed up to 30,000 fish from Johnson Lake and its surrounding streams and wetlands as it continues to try and eradicate whirling disease

from the 18-hectare lake. Parks Canada officially closed the lake and the surrounding area in August 2016 in an effort to reduce the spread of the disease, which was officially confirmed a month later by the Canadian Food Inspection Agency (CFIA). It was the first time the disease was detected in Canada.

#### [\[Wyoming\] Invasive species worries leads Yellowstone to ban felt soles \(3/8/18\)](#)

Concerns over aquatic invasive species have led [Yellowstone National Park officials](#) to ban the use of felt sole boots or waders and to set a boating season during which watercraft inspections will be available. Park officials say rubber sole boots will be allowed because they trap fewer organisms and can be cleaned with water and a scrub brush.

Related: [Montana anglers adjust as aquatic invasive species force changes to waterways \(3/9//18\)](#)

#### [The case for eating California's giant invasive rodents \(2/27/18\)](#)

So nutria-tious...

Related: [Nutria pose a problem to California marshes; some say the solution is to eat them \(3/7/\)](#)

#### [The aliens are coming — up to 16% of all species have invasion potential \(2/20/18\)](#)

Invasive alien species are one of the largest threats to biodiversity. They are spread from their native habitat to an entirely new region that they have never inhabited before. These “aliens” can become predators, competitors, parasites, hybridizers, and spread diseases, wiping out native species. Examples of notorious invaders are the brown tree snakes that ate away almost all of the birds on the island of Guam and Japanese knotweed which can displace all other vegetation when established. The number of non-native species is only increasing, [according to a new study](#).

#### [Protecting What Matters: Stories of Success \(2/18\) \[DOI NISC publication\]](#)

For far too long the invasive species issue has been plague by a belief that this challenge is too logically difficult, too biologically complex, too expensive to address. This perspective has undermined political and public will. It has enabled small problems to become big problems with costly consequences. But time and time again, we have proven that we can do this – we can reduce the risks and impacts of invasive species by deciding to protect what matters and by working together—across all lines of jurisdiction—to do so. We’ve also demonstrated that we can make game changing advances in the prevention, eradication, and control in invasive species through investments in science and technology. We are solving what were believed to be unsolvable problems. We are changing the story by telling our stories—stories of our successes.

## [GLANSIS: A ‘one-stop shop’ for information on aquatic invaders \(2/25/18\)](#)

Hosted by GLERL and currently funded by the Great Lakes Restoration Initiative (GLRI), the database provides identification and management information, maps of sightings, and reference material for more than 250 nonindigenous and watchlist species in the Great Lakes basin. A partnership with the U.S. Geological Survey Nonindigenous Aquatic Species database enables GLANSIS to provide a seamless interface with their database of reports for the inland lakes. The list generator search feature allows users to look up information by scientific and common names, taxonomic groups, and specific lakes and their drainages to generate species lists and access information about each species. Another tool, the map explorer, displays all sightings of a chosen species on habitat map layers provided by the Great Lakes Aquatic Habitat Framework (GLAHF). The map explorer also allows users to quickly map sightings of selected “hot button” species like grass carp and rusty crayfish with a single click.

**ALIENS:** a valuable asset slowly built up over the last years is the over 100 Ecological Risk Screening Summary Reports that the U.S. Fish and Wildlife Service has prepared and posted at [this link](#).

## **WEEDS**

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### [\[California\] Department of Boating and Waterways gears up for aquatic weeds \(3/15/18\)](#)

Spring is just around the corner, and in Discovery Bay, so are the aquatic weeds. With warmer temperatures, the invasive aquatic weed species that trouble Delta residents begin to grow and blossom, clinging to docks and blocking waterways. This year, thanks to an aggressive plan by the Department of Boating and Waterways (DBW), they won’t get a limb up. Gloria Sandoval, DBW deputy director, said that last year was fairly easy in terms of controlling the spread of the plants, and it looks as though this year will follow the same pattern.

### [U of M study: Plant diversity doesn't protect lakes from invaders \(3/14/18\)](#)

A new study from the University of Minnesota challenges a common belief that lakes with diverse plant life are more resilient to aquatic invaders. The study by the U's Minnesota Aquatic Invasive Species Research Center looked at 13 years of vegetation survey data collected from about 1,100 lakes by the Department of Natural Resources....

### [Bottom barriers for Lake Tahoe to be purchased after Tahoe Fund challenge \(3/13/18\)](#)

The Tahoe Fund and the Tahoe Water Suppliers Association (TWSA) are pleased to announce the successful completion of fundraising efforts to purchase 150+ bottom

barriers, and other necessary supplies, for the control of aquatic invasive species at Lake Tahoe. The “Aquatic Invasive Bottom Barrier Challenge” was a Signature Project of the Tahoe Fund. Thanks to the support of Tahoe Fund donors, including major grant funding from the Tahoe Truckee Community Foundation’s Queen of Hearts and Tahoe Blue Vodka, the funding challenge was met. TWSA matched every dollar that Tahoe Fund raised on this specific project. The efforts yielded a grant of \$52,000 total to the Tahoe Resource Conservation District for the supplies needed for control projects at Lake Tahoe.

#### [State agency announces invasive plant control program launch in Delta \(3/18\)](#)

The state Division of Boating and Waterways is launching its herbicide control and mechanical harvesting of invasive plants that are choking off the natural ecosystem of the Delta. The control program starts Monday, targeting hyacinth, American spongeplant and Uruguay water primrose along waterways entering the Stockton Deep Water Channel. Herbicide spraying begins March 12, the state agency announced.

#### [How a 'beetle factory' in Manitoba is helping manage the beautiful invader, purple loosestrife \(3/3/18\)](#)

Not far outside of Beaudry Provincial Park, just west of Headingley, Man., experts on invasive plant species are rearing bugs. One bug, specifically — *Galerucella calmariensis* — and it has a mission: to defoliate, that is, eat, purple loosestrife, the aggressive, wetland-loving invasive plant originally from Europe that has been called "the beautiful invader."

#### [\[Oregon\] State grant to fund C.O. invasive weeds programs \(3/4/18\)](#)

As part of an ongoing campaign to halt the spread of invasive weeds, a consortium of partner groups will treat numerous sites on public and private lands in Crook, Wheeler, Grant and Jefferson counties this year, thanks in part to grants recently disbursed by the Oregon State Weed Board.

#### [Military residents, community remove invasive species at Hawaiian fishpond \(2/22/18\)](#)

Since 2014 the local and military communities have been restoring the pond while educating students, and community groups about the significance of the pond in the Hawaiian culture. The volunteers removed invasive species that had taken over the historic site for decades. They continue to replace those plants with plants native to the area...

## JOBS/GRANTS

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[Michigan] The Charlevoix, Antrim, Kalkaska, and Emmet county Cooperative Invasive Species Management Area (CAKE CISMA) is currently accepting applications for the following positions: (both seasonal) [Invasive Species Strike Team Crew Leader](#) and [Invasive Species Strike Team Technician Position](#). Start Date April 2, 2018 **Last Date to Apply March 19, 2018**

The Aquatic Plant Management Society is soliciting proposals for a two-year, \$40,000 Graduate Student Research Grant (GSRG). This grant is awarded biannually to provide for a full-time graduate student to conduct research in aquatic plant or algae management techniques, or in aquatic ecology related to the biology or management of regionally or nationally recognized nuisance aquatic vegetation (macrophytes, algae, or cyanobacteria). Please follow this link for the 2018 GSRG Announcement: <http://www.apms.org/society/graduate-student-research-grant/>  
<http://www.apms.org/society/graduate-student-research-grant/>

**Applications must be postmarked no later than April 15th, 2018.** Please address all inquiries to Mark Heilman at markh@sepro.com.

New Mexico Four seasonal positions: [Aquatic Invasive Species Technician](#) (Dgf #10107364+) This position will assist the Aquatic Invasive Species Program with conveyance inspections and disinfection, waterbody monitoring, education/outreach and other duties as assigned. **Position closes 3/22** Agency Contact Information: James Dominguez, (505) 629-9867 or email: James.Dominguez@state.nm.us

[Aquatic Invasive Species Strike Team Member](#) in Shelbyville, Michigan. The Aquatic Invasive Species (AIS) Strike Team Members will conduct invasive species control and vegetation surveys on and off Tribal properties. The AIS Strike Team Member is responsible for detection and control of invasive species, focusing on aquatic habitats. Seasonal. **Position closes 3/19**

The [East Kootenay Invasive Species Council \(EKISC\)](#) is an environmental non-profit organization with the mission to mitigate the negative environmental, social, and economic impacts of invasive species. EKISC has a variety of programs, initiatives, and partnerships regarding invasive species management and outreach. Further information on EKISC's operations can be found at our website. Current opportunities from EKISC Job posting closing date: **Friday, March 23rd, 2018:**

- [Invasive Species Technician \(Full-time seasonal\)](#)
- [Field Operations Coordinator \(Full-time summer, part-time winter\)](#)
- [Invasive Species Field Assistant \(2 summer student assistants\)](#)
- [Invasive Species Education Assistant \(2 summer student assistants\)](#)

Full-time, permanent [AIS Specialist at Arizona Game and Fish Wildlife Specialist 2 - Aquatic Invasive Species Sptc \(Job Id 36540\)](#) Under the direction of the Statewide Aquatic Invasive Species (AIS) Program Coordinator, this AIS Specialist will be responsible for conducting,

planning, analyzing, and organizing professional fish and wildlife management activities or studies in the office, field or laboratory. This position will develop and utilize best practices in managing the state's fish and wildlife populations and their habitats as they pertain to aquatic invasive species and develops and implements public interaction campaigns and activities concerning invasive species abatement, pertaining to watercraft inspections and decontamination

**Closes March 21**

[\[Nevada\] Aquatic Invasive Species \(AIS\) Outreach Team Member](#): Member will provide national service at Lake Mead National Recreation Area, a unit of the National Park Service and a host site for the Nevada Conservation Corps AmeriCorps Program....

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

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### **State**

[\[Hawaii\] Bill would create Invasive Species Authority \(3/14/18\)](#)

A bill that would dissolve the state Invasive Species Council to create an administrative body with greater authority to manage invasive species passed all but one committee in the state Legislature. [Senate Bill 2399](#) would restructure the Hawaii Invasive Species Council into the Invasive Species Authority, granting it greater authority and resources to carry out the state's biosecurity plan.

[\[California\] Judge Orders Agricultural Officials to Stop Spraying Pesticides on Public, Private Property \(2/26/18\)](#)

A judge has ordered California agricultural officials to stop spraying pesticides on public and private property to control insects that threaten the state's \$45-billion agriculture industry. The injunction by a Sacramento County Superior Court judge, issued late last week, could throw a substantial hurdle in front of efforts by the state Department of Food and Agriculture to control dozens of crop-damaging pests such as the Asian citrus psyllid, which carries bacteria that have decimated the citrus industry in Brazil and Florida.

### **Executive**

#### **BUDGET NEWS**

[Congress pushes up against March 23 funding deadline \(3/14/18\)](#)

With government funding running out at the end of next week, leadership sources on both sides of the aisle warn the spending fight may run beyond that deadline, especially if there is a holdup in the Senate. But these sources don't believe there will be a shutdown

or a need for another stopgap bill, at least at this time. The package is being assembled after a bipartisan deal was reached last month to end a short government shutdown.

**Note:** House Majority Leader Kevin McCarthy (R-Calif.) signaled late last week he expected an agreement to come quickly, saying it was even "possible" that the spending bill could be on the House floor by the end of this week. Aides however, downplayed that scenario, saying next week is far more likely. House Minority Leader Nancy Pelosi (D-Calif.) said potential policy riders were preventing a bipartisan deal on the omnibus. "It's the poison pills ... that cause the problems. And that's some of what we have to deal with," she told reporters last week. "Ours is pretty much put together," said Rep. Mike Simpson (R-Idaho), chairman of the House Energy and Water Appropriations Subcommittee, late last week. Simpson suggested only about three issues remain on his bill, including a rider exempting the Clean Water Rule from the Administrative Procedure Act, that leaders will have to settle. Democrats have threatened to block the spending bill over riders. They noted they knocked out more than 160 provisions in last year's omnibus, largely leaving that legislation clean, and many appropriators expect a repeat this year. [Source: Reprinted from E&E Daily, 3/12/18, with permission from Environment & Energy Publishing, [www.eenews.net](http://www.eenews.net); 202/628-6500].

[Archived] [Senate Energy and Natural Resources Committee: Hearing to Examine the President's Budget Request for the Department of the Interior for Fiscal Year 2019 \[Archived webcast\] \(3/13/18\)](#)

The purpose of the hearing is to examine the [President's budget request](#) for the Department of the Interior for Fiscal Year 2019.

[Statement of Ryan Zinke:](#)

Page 13: “.....Early eradication and control of invasive species is an example of a core stewardship activity shared Department-wide, which is funded through land management operations. Across Interior, the 2019 budget includes a total of \$101.1 million for invasive species activities to address significant issues such as the spread of invasive mussels and Asian Carp....

[Archived] [Oversight Hearing, "Policy Priorities at the Department of the Interior and the Administration's Fiscal Year 2019 Budget Proposal" \(3/15/18\)](#)

The House Committee on Natural Resources [held] an oversight hearing on Thursday, March 15, 2018 to review “Policy Priorities at the Department of the Interior and the [Administration's Fiscal Year 2019 Budget Proposal](#).” This hearing will consist of one panelist, the Secretary of the Interior, the Honorable Ryan Zinke. The hearing will focus on the Trump Administration’s FY 2019 budget request for the Department of the Interior (DOI) and other policy priorities, including DOI policies and actions to foster

energy dominance, proposals to reduce the deferred maintenance backlog and increase public access to public lands, and the DOI ongoing reorganization.

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### Congressional

#### Farm bill talks go off the rails (3/16/18)

After many days of talks between House Ag Chairman Mike Conaway and ranking member Collin Peterson, bipartisan farm bill negotiations screeched to a halt Thursday afternoon after Democrats on the committee revolted over deep concerns about potential changes to the Supplemental Nutrition Assistance Program, [report](#) Pro Ag's Liz Crampton and Helena Bottemiller Evich...

#### Walberg hopes to preserve Great Lakes Restoration Initiative (2/21/18)

For a second consecutive year, President Donald Trump is proposing to reduce drastically or eliminate federal support of cleanups for the Great Lakes, but [U.S. Rep. Tim Walberg](#) is hoping to convince the administration otherwise...

Related: [Outdoors: Budget cuts would impact Great Lakes \(2/24/18\)](#)

[Our view: Great Lakes deserve better from Trump \(2/27/18\)](#)

[Great Lakes Commission increases calls for regional support \(3/9/18\)](#)

#### Endangered animals could get life-saving boost from oil, gas funds under new bill (3/11/18)

...In an initiative that has garnered backing from energy giant Shell Oil, conservationists and hunting and fishing retailers, the Recovering America's Wildlife Act [[HR 4647](#)] has also gained support from both Democratic and Republican lawmakers alike, a rarity these days in Washington...

#### Fortenberry, Dingell Statements on Recovering America's Wildlife Act Hearing (2/16/18)

(Washington, D.C.) – Congressman Jeff Fortenberry (R-NE) and Congresswoman Debbie Dingell (D-MI) today provided the following statements after Congressman Fortenberry spoke at a Committee on Natural Resources hearing on the *Recovering America's Wildlife Act*:

“The *Recovering America’s Wildlife* Act is a creative bipartisan initiative to conserve at-risk wildlife species in every state,” said Fortenberry. “The bill empowers state wildlife protection agencies to proactively protect species and habitat without the costly ‘emergency room’ interventions of the Endangered Species Act. From hikers to hunters, boaters to birders, anglers to archers, as well as farmers, ranchers, and the growing cohort of businesses engaged in eco-tourism, a broad coalition supports this effort to leverage revenues from federal lands to support state wildlife plans. Successful past efforts have saved species on the brink, including striped bass, white-tailed deer, elk, turkey, and our national symbol, the bald eagle. These are all amazing conservation success stories on which we can continue to build through the federal-state collaboration enabled by this legislation.”

Youtube: [Congressman Fortenberry Testifies on the Recovering America's Wildlife Act \(2/15/18\)](#)

## **TRAININGS, WEBINARS, CONFERENCES AND MEETINGS**

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### **Events: Webinars, Trainings, Conferences and Meetings**

#### **[California] FREE Aquatic Invasive Species Prevention Workshops**

San Jose Date: Wednesday, April 4th, 2018; Sacramento, Date: Thursday, April 12, 2018; Sausalito Date: Wednesday, June 13th, 2018. To register, please contact Vivian Matuk at (415) 904-6905 or [vmatuk@coastal.ca.gov](mailto:vmatuk@coastal.ca.gov)

### **MARCH**

[National Shellfisheries Association 110th Annual Meeting](#), March 18-22, 2018. Renaissance Hotel, Seattle Washington, USA. Special European Green Crab Session. Contact: Sylvia Yamada [yamadas@science.oregonstate.edu](mailto:yamadas@science.oregonstate.edu) or Thomas Therriault, [thomas.therriault@dfo-mpo.gc.ca](mailto:thomas.therriault@dfo-mpo.gc.ca)

[2018 MRNRC Missouri River Conference](#): “More Than Just A River Runs Through It” March 20-22, 2018, Nebraska City, NE

[2018 Washington Botanical Symposium Wednesday, March 21](#), 2018 University of Washington Botanic Gardens Center for Urban Horticulture, Cost: \$85Agenda and program information

available. Student scholarships, remote attendance, and poster presentation options available. Visit website for details.

The [Washington Invasive Species Council](#) will meet on Thursday, March 29<sup>th</sup>, 2018. The meeting is scheduled to begin at 9:00 a.m. at the Natural Resources Building, Room # 172, 1111 Washington St SE, Olympia, WA 98501. The meeting agenda is available at <https://invasivespecies.wa.gov/meetings.shtml>.

## APRIL

Washington State University College of Agricultural, Human, and Natural Resource Sciences is hosting a [Palouse and Panhandle Region Invasive Species and Exotic Pest Workshop](#) on April 3, 2018 in Pullman, WA. At this workshop, we will be talking about priority pests significant to the region such as feral swine, northern pike, spotted wing drosophila, key weed species, exotic wheat pests and pathogens. The workshop is co-hosted by the Washington Invasive Species Council, and is funded by the US Department of Agriculture. Certified Pesticide Applicators and crop advisors may earn up to 5 Washington or Idaho re-certification credits (pending approval).

[2018 Salish Sea Ecosystem Conference](#) Ecosystem Recovery in a Transboundary System. April 4th-6th, at the Washington State Convention Center in Seattle, Washington.

Request for Abstracts: 9-13 April 2018 NWT Pests, Pathogens and Invasive Species Symposium  
Location: Yellowknife, NWT, Canada  
Venue: Explorer Hotel  
Dates: April 9-13, 2018  
For more information please contact: Heather Fenton : Pest and pathogen section ([heather\\_fenton@gov.nt.ca](mailto:heather_fenton@gov.nt.ca)); Suzanne Carriere: Invasive Species section ([suzanne\\_carriere@gov.nt.ca](mailto:suzanne_carriere@gov.nt.ca)); Claire Singer: Organizer ([claire\\_singer@gov.nt.ca](mailto:claire_singer@gov.nt.ca))

[Columbia River Estuary Conference 2018](#), Promoting Resiliency Under Shifting Environmental Conditions April 10-12, 2018 • Liberty Theater • Astoria, Oregon Abstracts due February 2.

[Pacific Ballast Water Group \(PBWG\)](#) will meet April 11-12, 2018 (Wednesday/Thursday) at the Crowne Plaza Seattle Airport, WA. We anticipate the meeting starting at 10:00 am on 4/11 and ending early/mid afternoon 4/12. For more information: <mailto:sphillips@psmfc.org>

## MAY

[Planning & executing successful rotenone & antimycin projects](#); For biologists who manage the planning and execution of rotenone or antimycin projects May 14-18, 2018 Utah State University, Logan

2018 Annual General Meeting Save the date for EKISC's AGM this year. Thursday, May 17th from 1 pm to 4 pm at the Manual Training Center in Cranbrook, BC For more information contact [info@ekisc.com](mailto:info@ekisc.com)

Save the Date: Stop The Invasion: Weed Management 101. Hood River, OR May 19.

Save the Date: Peer to Peer Field-Based Workshop Focused on Managing Aquatic Invasive Plants, May 22, 2018, Benton County, OR. Join fellow WAIN members for a field trip to visit several project sites where they are addressing aquatic invasive species. Learn more about their approach, treatment details, lessons learned and more. If you would like to participate in this committee or learn more, contact <mailto:marci@willametteriverkeeper.org>.

## JUNE

The next meeting of the 100th Meridian Initiative Columbia River Basin Team will take place in Portland Oregon at the [Sheraton Portland Airport Hotel, June 5-7 2018](#). We are anticipating at least one day to be dedicated to the Columbia River Basin Dreissenid Monitoring Forum. Stay tuned !!! An announcement will be sent out on this list serve in the next few weeks.

## AUGUST

Save the Date: 2018 Invasive Species Cook-off Saturday, August 11, 2018 | 5-8 pm Philomath, OR.

## OCTOBER

Please join the Montana Invasive Species Council (MISC) for its 2nd [Invasive Species Summit](#) October 3-4, 2018.

The 2018 Upper Midwest Invasive Species Conference will be a Joint Conference with the [North American Invasive Species Management Association](#): October 15-18, 2018 - Mayo Civic Center - Rochester, MN Abstract Submission Is Open. **Deadline to Submit an Abstract for Presentation: Wednesday, April 11, 2018** at 11:00pm Central

The Society for the Study of Marine Bioinvasions and the Grupo de Ecología en Ambientes Costeros invites you to participate in the [10th International Conference on Marine Bioinvasions \(ICMB-X\)](#), in Puerto Madryn (Patagonia Argentina, between the 16-18 October 2018).

PNW Society for Ecological Restoration & Society for Wetland Scientists [2018 Joint Conference](#). October 15-19, 2018 in Spokane, Washington.

## DECEMBER

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>.

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*AIS NEWS* was compiled by Stephen Phillips and Robyn Draheim

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