



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

02/22/2018

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### **NEW AIS SIGHTINGS**

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[\[California\] Nutria Discovered in San Joaquin Valley; CDFW Seeks to Prevent Further Spread and Infestation \(2/8/18\)](#)

Since March 30, 2017, more than 20 nutria, including males, pregnant females and juveniles, have been documented within private wetlands near Gustine, duck clubs, the Merced River near Cressey, adjacent to the San Joaquin River near Grayson, south of Dos Palos, the San Luis National Wildlife Refuge, and Salt Slough on the San Joaquin River. The full extent of the infestation is not yet known. [\[USGS Sighting Data\]](#)

Related: [Why California is freaking out over this invasive giant swamp rodent \(2/9/18\)](#)  
[California Has Set Up A Hotline Due to Invasive, 20-Pound Rodents \(2/13/18\)](#)  
[Invasive Rodent Sighting in Tuolumne County \(2/13/18\)](#)

[\[Texas\] Invasive Giant Salvinia Found at Lake Athens \(2/21/18\)](#)

Texas Parks and Wildlife Department (TPWD) inland fisheries staff found in total, less than 1 acre of invasive giant salvinia in multiple locations near Lake Athens Marina boat ramp Feb. 19. The day following the giant salvinia discovery at Lake Athens, the TPWD Brookeland aquatic habitat enhancement team (AHE) surveyed the impacted area and

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deployed a containment boom from just west of the boat ramp across the cove to the Athens Municipal Water Authority (AMWA) office.

[\[Texas\] Dreissena polymorpha \(zebra mussel\) was found in Randell Lake](#)

Details: State: TX County: Oldham Drainage: Middle Canadian-Trujillo (11090101)  
Location: [Randell Lake, TX](#)

[\[Wisconsin\] Bloody red shrimp found in Lake Superior raises worry of another invasive species \(2/16/18\)](#)

A solitary bloody red shrimp was found in the Twin Ports Harbor, raising fears that the light-hating, zooplankton-eating invasive critters have found their way to Lake Superior. If it does represent the beginning of an invasion, it would be the first in many years for Lake Superior. But the tiny shrimp may have been dead on arrival after being dumped from a cargo ship — environmental officials can't be sure.

[\[Scientific Publication\] Adrienne P. Smits, Arni Litt, Jeffery R. Cordell, Olga Kalata and Stephen M. Bollens. Non-native freshwater cladoceran \*Bosmina coregoni\* \(Baird, 1857\) established on the Pacific coast of North America \(pp 281-286\) Bio Invasions Records \(3/18\)](#)

## DREISSENID MUSSELS

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[At Columbia River's doorstep, an uneasy lookout for invasive mussels \(2/10/18\)](#)

...Flathead Lake, which begins 30 miles southwest of Glacier National Park, may be the largest, most-visited node in the Columbia River network. Bollens doesn't share Hanson's belief that a mussel arrival here will automatically doom the entire basin, but he cautioned that "it is extremely difficult to stop the spread of these organisms downstream."...

[Two Texas lakes receive upgraded classifications for zebra mussel infestation \(2/16/18\)](#)

Lake Austin has been upgraded to an infested classification and Lady Bird Lake has been upgraded to suspect. The upgraded classifications come less than a year after zebra mussels were found upstream in Lake Travis.

[\[British Columbia\] No zebra or quagga mussels found in Columbia Shuswap \(1/31/18\)](#)

Throughout 2017, CSISS staff took 51 samples from 26 water bodies across the region to sample for the presence of invasive zebra and quagga mussels, and all results have come back negative.

[Government offers \\$100,000 bounty on invasive mussels \(2/19/18\)](#)

The invasive quagga and zebra mussels have a \$100,000 bounty on their “heads.” The U.S. government is offering the six-figure prize for the best suggestion on how to stop their relentless and destructive spread because scientists say they are stumped. “We might as well give it a try,” said Sherri Pucherelli, a biologist with the U.S. Bureau of Reclamation.

[\[British Columbia\] Are mussels feds' priority? \(2/3/18\)](#)

The Okanagan Basin Water Board is fed up with a lack of action from the federal government about invasive mussel prevention. The OBWB said they didn't get a response from the feds after a meeting last June on the matter, and this week they sent a follow-up letter to address the “urgent need for federal action” on mussel prevention.

Related: [Feds respond to questions about their actions on invasive mussels; admit most of funds announced last year won't address mussels \(2/16/18\)](#)

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

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[\[Montana\] FWP seeks comments on effort to ramp up AIS defense in Flathead Basin \(2/6/18\)](#)

Montana Fish, Wildlife and Parks officials are looking for you to weigh in on a proposal to adopt a pilot program in the Flathead Basin to prevent the transport and introduction of aquatic invasive species. The pilot program would require vessels and equipment traveling into the Flathead Basin that have been used on waters outside of the area to be inspected at a department inspection station prior to launching.

## **MARINE**

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[\[Washington\] Sound Water Stewards seek more volunteers \(1/30/18\)](#)

... Monitoring forage fish spawning, conducting boat-based bull kelp surveys and keeping an eye out for the invasive European Green Crab are just a sampling of on-going research...

[\[Scientific Publication\] Using underwater video to evaluate the performance of the Fukui trap as a mitigation tool for the invasive European green crab \(\*Carcinus maenas\*\) in Newfoundland, Canada. PeerJ. 2018. Jonathan A. Bergshoeff, corresponding author<sup>1,2</sup> Cynthia H. McKenzie,<sup>1,3</sup> Kiley Best,<sup>4</sup> Nicola Zargarpour,<sup>1,2</sup> and Brett Favaro<sup>1,2</sup>](#)

## BALLAST WATER/BIOFOULING

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[\[Book Chapter\] Arctic Marine Resource Governance and Development: Ballast Water and Invasive Species in the Arctic. Henrik Holbech, Knud Pedersen. In \*Arctic Marine Resource Governance and Development\* 2018. Niels Vestergaard, Brooks A. Kaiser, Linda Fernandez, and Joan Nymand Larsen eds.](#)

[New policy letter regarding inoperable ballast water management systems now available \(2/15/18\)](#)

Policy Letter 18-02 provides guidance to vessel masters, owners, operators, agents, and persons in charge of vessels subject to Subparts C and D of Part 151 of Title 33 of the Code of Federal Regulations (33 CFR 151 Subparts C and D) as well as Coast Guard personnel when evaluating potential courses of action when a vessel destined for a U.S. port has an inoperable ballast water management system (BWMS).

[IMO ballast water sampling and analysis standard \(2/15/18\)](#)

The ISO 11711 – the Ships and Marine Technology, Piping and Machinery, Ballast Water Sampling and Analysis standard will provide guidance on the materials, design and installation of equipment used to sample treated ballast water from a vessel's discharge pipe. But it does not yet include a standard on how to perform the representative sampling and analysis of ballast water, which will now be jointly be undertaken by a group of participants including water monitoring specialist, aqua-tools.

[Old attitudes, new systems: why shipowners are struggling to adapt to the BWMC \(2/13/18\)](#)

The Ballast Water Management Convention might now be in force, but shipowners are dragging their heels over installing new systems. A lack of specialist expertise and training from manufacturers isn't helping progress, as Ross Davies reports.

[Ballast Water Treatment System Testing Under Fire \(2/10/18\)](#)

Concerns have been raised around whether there is still adequate capacity to process certification tests for ballast water treatment systems in a timely manner and whether the testing protocols are adequately robust.

[USGS Expertise and Science Leads to Ballast Water Management Solutions \(2/18\)](#)

... Through this multi-disciplinary collaboration, the team developed a treatment system that both meets the unique operational demands of ships traveling across oceans, through coastal waterways and into ports and reduces the risk of introducing nonindigenous species. They came up with a relatively inexpensive and time effective method to treat ballast water without compromising the stability of the ship. The system uses one or more pumps to supply water and a biocide (to kill nonindigenous species) into the ballast tank

through the nozzles. The nozzles are strategically located in the ballast tank to circulate the ballast water and mix the treated water so it can be safely discharged...

#### [Lack of Due Diligence on Ballast Water Treatment Could Prove Expensive \(2/1/18\)](#)

... Marshall predicts major problems ahead for those ship operators who have adopted a strategy of minimum compliance based on lowest cost, or simply agreed on ballast water treatment systems as part of a standard shipyard specification...

#### [Is a ballast water treatment system necessary? \(1/30/18\)](#)

There is a widely held view that all ships will eventually be obliged to fit treatment systems but this is not actually the case. There are a number of reasons why; two are exemptions permitted by the IMO and US regulations and the third is a technical solution which has been sought after for some time but which remains elusive.

## **FISH**

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#### [\[Washington\] Scientists Want More Detailed Information on Northern Pike Suppression Plan In Lake Roosevelt \(2/16/18\)](#)

A proposal to expand a program this spring designed to suppress non-native Northern Pike in Lake Roosevelt was sent back to the program sponsors [by WDFW] for more information in January.

#### [Idaho Fish and Game Decides Not To Pursue Lake Trout Suppression in Priest Lake \(2/16/18\)](#)

Citing extensive public input, Idaho Fish and Game has decided against pursuing lake trout suppression on Priest Lake in the northern part of the panhandle.

#### [\[Wyoming\] Public input sought on future of cutthroat trout \(2/1/18\)](#)

... Cutthroat trout have been crossing with rainbows, a non-native species, called cutbows. They also compete for habitat with German brown trout and brook trout...

#### [\[Missouri\] Pulling invasive carp from Creve Coeur Lake no easy job \(2/17/18\)](#)

Trying to catch approximately 57,000 Asian carp requires more than two miles of netting, 15 boats, work from about 60 people, and lots of patience.

#### [\[Michigan\] Snyder forms coalition to fight Asian carp \(1/31/18\)](#)

Gov. Rick Snyder says an interstate partnership is being established to help strengthen defenses against invasive Asian carp in a Chicago-area waterway. The initiative would

help pay costs of upgrading the Brandon Road Lock and Dam near Joliet, Illinois, a key choke point between the carp-infested Illinois River and Lake Michigan.

Related: [Michigan, Wisconsin, Ohio join battle to strengthen Asian Carp barrier near Joliet \(1/31/18\)](#)

[Michigan governor pledges 'strategic and financial resources' in fight against Asian carp entering Great Lakes through Joliet \(2/3/18\)](#)

[\[DFO\] on hook for more money in fight against Asian carp \(2/7/18\)](#)

[LaHood: Illinois can decide Asian carp strategy on its own \(2/21/18\)](#)

[\[Illinois\] Lt. Gov.: Name change could make Asian carp more appetizing \(1/29/18\)](#)

Illinois is taking a new approach to solve an old problem: Making Asian carp seem delicious enough that the government doesn't have to keep the fish's population in check... But while the fish is tasty, the name leaves a lot to be desired for many consumers. "Calling them silver fin would be better," Sanguinetti said. "I've always pushed for going to Spanish and calling them Carpa Asiatica. It sounds so much better in Spanish."...

Related: [Asian carp could big Illinois' next big cash crop \(2/2/18\)](#)

[New fish cakes aimed at controlling invasive Asian carp \(2/2/18\)](#)

[Purina Looking For Next Pet Tech Innovation Start Ups \(1/29/18\)](#)

St. Louis-based Purina is among the large companies investing in start-ups to get a grasp on new products, new markets and new technologies – for your pet. Dan Reus tells us about one start-up that won \$10 thousand from the Purina Pet Care Innovation prize... There's another one that aims to use the invasive Asian carp fish as a protein source for dog food...

[Missouri Department of Conservation: Removing Asian Carp \(2/7/18\)](#)

Dan Zarlenga of the Missouri Department of Conservation visited Fox 2 News at 11 to update the public on the Asian Carp crisis at a local lake. According to Zarlenga, removing the carp is necessary because of the many dangers the fish present. The fish constantly jump out of the water, striking floaters and lake users. Zarlenga said the Missouri Department of Conservation has done a great job thus far clearing the lake of these harmful fish. They hope to have them cleared out by February 17.

[NOAA: Impacts of Invasive Lionfish \(2/9/18\)](#)

...As lionfish populations grow, they put additional stress on coral reefs already struggling from the effects of climate change, pollution, disease, overfishing, sedimentation, and other stressors that have led to the listing of seven coral species in the lionfish-infested area. For example, lionfish eat herbivores and herbivores eat algae from

coral reefs. Without herbivores, algal growth goes unchecked, which can be detrimental to the health of coral reefs...

## AQUACULTURE

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### [Washington senator wants B.C. to follow suit and phase out net-pen fish farms \(2/20/18\)](#)

A Washington senator says he wants to see British Columbia join the state in phasing out ocean-based Atlantic salmon farms when the province decides whether to renew farm leases in June. An American ban will be less effective in the shared ecosystem of the Salish Sea if fish farms continue to operate in Canadian waters, said Democrat Sen. Kevin Ranker.

### [WDFW says Wild Fish Conservancy's claim of dangerous viruses in escaped salmon is way off-base \(2/16/18\)](#)

The Washington Department of Fish and Wildlife responded to [claims by a local environmental group](#) that escaped Atlantic salmon were infected with a highly contagious virus, saying not a single study supports evidence that the virus is transferable or dangerous to native fish.

Related: [WDFW refutes Wild Fish Conservancy's latest Atlantic salmon claims \(2/16/19\)](#) and [WFC Stands Firm Behind PRV Statements \(2/20/18\)](#)

### [More research needed on wild salmon lice link \(1/30/18\)](#)

...Verspoor said even moderate levels of introgression – escaped farmed salmon interbreeding with wild salmon – could compound mortality rates of wild fish. He said Norway had developed a system of monitoring introgression, and that in Iceland constantly monitored levels of introgression will determine whether the industry is allowed to expand...

### [Marine Harvest loses 56,000 fish in Norway escape \(2/8/18\)](#)

The Norwegian division of Marine Harvest has reported an escape of 56,000 salmon from a farm at Geiteryggen in Nærøy municipality in Trøndelag. Monday's escape occurred when a cage net was damaged during an operation at the site. There were 180,000 fish with an average weight of 2kg in the cage.

### [Land-based aquaculture doesn't make sense for N.L. \(2/2/18\)](#)

A Norwegian company is investing half a billion dollars in land-based salmon farming in Maine, but a local aquaculture pioneer doesn't see similar facilities as viable for Newfoundland and Labrador...

## [Can Deepwater Aquaculture Avoid the Pitfalls of Coastal Fish Farms? \(1/25/18\)](#)

Near-shore fish farms have created a host of environmental problems. Now, U.S. aquaculture advocates – backed by mainstream conservation groups – are saying that locating well-run operations out in the ocean could produce sustainable food and protect wild stocks from overfishing.

## [\[Washington\] State investigation finds Cooke's negligence was primary cause of Atlantic salmon net pen collapse \(1/30/18\)](#)

State investigators have determined that an excessive buildup of mussels and other marine organisms on nets – caused by Cooke Aquaculture's failure to properly clean them – led to the August 19 collapse of the company's net pen at Cypress Island. [An investigative report](#) ... found that 110 tons of mussels and plants had accumulated on the nets before the incident... The investigation determined that tidal currents pushing against the tremendous mass of organisms on the nets overwhelmed the pen's mooring system and crushed the pen. Extensive corrosion of the net pen structure also contributed to the collapse. In addition, the agencies identified shortcomings in engineering practices that likely contributed to the failure...

Related: [Cooke Aquaculture Pacific dismisses state's investigation into Cypress Island as incomplete and inaccurate \(1/31/18\)](#)

“Cooke Aquaculture was shut out of this investigation by the state agencies,” said Joel Richardson, vice president of public relations at Cooke, Inc. “As a result, investigators with limited experience in aquaculture or net-pen operations have produced an inaccurate and misleading document that appears to be intended to fuel the push by aquaculture opponents to put Cooke out of business in Washington state.”

Related: [DNR Releases Inspections of Rich Passage & Hope Island Net Pen Facilities \(2/16/18\)](#)

[Cooke Aquaculture inspection finds problems at 2 other operations \(2/17/18\)](#)

## [\[Washington\] Ecology fines Cooke \\$332,000 for net pen collapse; Negligence and poor maintenance cause Atlantic salmon incident \(1/30/18\)](#)

Today, the Washington Department of Ecology penalized Cooke Aquaculture Pacific (Cooke) \$332,000 for the negligent release of Atlantic salmon into Puget Sound. Cooke violated their water quality permit leading up to, and during, the net pen collapse near Cypress Island in August 2017. “This investigation confirms Cooke Aquaculture was negligent in operating its net pen,” said Ecology Director Maia Bellon. “What’s even worse is that Cooke absolutely could have – and should have – prevented this incident.”

## [Washington State Terminates Lease for Atlantic Salmon Farm in Puget Sound \(2/5/18\)](#)

... "Given the number of violations of Cooke's lease at Cypress and the refusal to be open and honest about their operations, I do not have any other choice but to terminate the lease," Franz said...

#### [Cooke Aquaculture CEO defends fish-farming industry \(2/8/18\)](#)

"If the industry's done, then 180 good working people are out of jobs." Those are the words from Glenn B. Cooke, CEO of Cooke Aquaculture, owner of the Atlantic salmon net pen that collapsed last August 19 which sent non-native fish into local waters. The collapse happened during a tidal shift, but not the strongest of the year.

#### [Cooke will seek damages under NAFTA if Washington approves salmon ban \(2/20/18\)](#)

Canada's Cooke Aquaculture has warned that if the US state of Washington approves its planned ban on the farming of Atlantic salmon, Cooke will seek to recover costs under Chapter 11 of the North American Free Trade Agreement (NAFTA).

## **OTHER**

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#### [Invasive Animals in U.S. National Parks - By a Science Panel \(December 2017\)](#)

In 2017, commissioned by the NPS Chief of Biological Resources Division (BRD) of the National Park Service, the NPS convened a Science Panel (Panel) to evaluate the extent of the problem of invasive animal species, assess management needs, review best practices, and assess potential organizational models that could serve as a servicewide organizational framework...

#### [\[Washington\] Gov. Inslee Highlights Need To Prevent and Stop Invasive Species \(2/21/18\)](#)

Gov. Jay Inslee has declared the week of Feb. 25th as Invasive Species Awareness Week in Washington State, noting that everyone has a role to play in stopping more than \$137 billion in annual costs from crop damage, loss of fish and damage to forests.

#### [Is Wisconsin's Prized Brook Trout in Danger? \(2/20/18\)](#)

...The Wisconsin Department of Natural Resources (DNR) and other environmental groups such as Trout Unlimited, the River Alliance of Wisconsin and the Sugar River Watershed Association are working together to educate trout anglers about "clean angling" so that they do not become vectors for the spread of New Zealand mudsnails...

#### [The Stop Aquatic Hitchhikers! Phenomenon \(2/18\)](#)

The United States Fish and Wildlife Service and a small cadre of partners launched a successful public service campaign in 2002 in no small part because of two Minnesotans with "get 'er done" moxie.

### [Geneticists Unravel Secrets of Super-Invasive Crayfish \(2/5/18\)](#)

Molecular biologists have sequenced the genome of an invasive species of crayfish that can reproduce without mating and is spreading rapidly across Madagascar. The marbled crayfish (*Procambarus virginalis*) was first spotted in aquariums in Germany in the 1990s. Now, DNA sequencing suggests that the species is probably the product of two distantly related members of a different crayfish species, a [team reported on February 5 in Nature Ecology and Evolution](#).

Related: [Female mutant crayfish clones have landed, but \[Canadian\] government recommends you not buy one \(2/11/18\)](#)

[\[Scientific Publication\] Dominique A. Cowart, Mark A. Renshaw, Crysta A. Gantz, John Umek, Sudeep Chandra, Scott P. Egan, David M. Lodge and Eric R. Larson. Development and field validation of an environmental DNA \(eDNA\) assay for invasive clams of the genus Corbicula \(pp 27-37\) Management of Biological Invasions \(3/18\)](#)

[\[Scientific Publication\] Emily W. Grason, P. Sean McDonald, Jeff Adams, Kate Litle, Jude K. Apple and Allen Pleus. Citizen science program detects range expansion of the globally invasive European green crab in Washington State \(USA\) \(pp 39-47\) Management of Biological Invasions \(3/18\)](#)

### [A novel approach could help manage the impact of invasive species \(1/30/18\)](#)

...Collaborating in an international team of scientists from three continents we drew up a new assessment tool called the Socio-Economic Impact Classification of Alien Taxa. We started with the premise that human well-being depends on the options people have to shape their lives...

### [\[Hawaii\] State makes strides toward strengthening biosecurity \(1/30/18\)](#)

New technology for detecting invasive species on cargo shipments and detector dog teams for agricultural inspections are just two steps out of dozens the state is making toward reinforcing biosecurity in Hawaii...

Related: [Looking to report an invasive species in Hawaii? There's an app for that \(1/29/18\)](#)

### [Stowaway Bird Gets its Own Cruise Ship Cabin \(2/3/18\)](#)

A stowaway galah, a type of Australian cockatoo, has enjoyed a luxury cruise around New Zealand after biosecurity officials allowed her to stay on the vessel. The cruise ship

alerted the New Zealand Ministry for Primary Industries (MPI) about the stowaway as it approached Milford on 25 January. "The only way for the ship to enter New Zealand was to have the bird euthanized or secured and bonded to the vessel," said Andrew Spelman, MPI's border clearance services manager. The bird could have been carrying avian diseases with the potential to harm New Zealand's native bird population.

## WEEDS

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[\[Oregon\] City of Portland: Citywide Invasive Plant Management and Natural Areas Restoration: Annual Report 2016-2017](#)

[\[California\] Boating and Waterways Certifies New Aquatic Invasive Plant Control Program \(2/7/18\)](#)

The state Division of Boating and Waterways has certified that a long anticipated plan to control the spread of multiple invasive plant species in Delta waterways is consistent with the Delta Stewardship Council's Delta Plan. The DBW's certification of its Aquatic Invasive Plant Control Program opens a public review period that ends March 4.

[Scientists want to understand behaviour of invasive weeds \(2/6/18\)](#)

Is it possible to predict which non-native plant species will become invasive weeds and when? According to research featured in the journal [Invasive Plant Science and Management](#), the answer is "hopefully yes."

[\[Scientific Publication\] Long, A.L., K.M. Kettenring, and R. Toth. 2017. Prioritizing management of the invasive grass common reed \(\*Phragmites australis\*\) in Great Salt Lake wetlands. \*Invasive Plant Science and Management\* 10: 155-165](#)

## JOBS/GRANTS

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[State of Nevada Announces an Open Competitive Recruitment for: Wildlife Staff Specialist \[State AIS Coordinator\]](#)

**Applications accepted until recruitment needs are satisfied.** Under the direction of the Division Administrator of Fisheries, the position will coordinate and direct the Nevada Department of Wildlife (NDOW) aquatic invasive species management program for the prevention, monitoring and control of aquatic invasive species (AIS) in Nevada...

[\[New York\] Cornell Cooperative Extension of Ulster County – AIS Coordinator](#)

**Application due Feb. 23, 2018** Cornell Cooperative Extension (CCE) of Saratoga County is seeking a full time qualified and experienced incumbent to work under the supervision of the Association Team Leader (Capital/Mohawk PRISM Coordinator), the Aquatic Invasive Species (“AIS”) Coordinator will be responsible for coordinating, managing, planning, and delivering of aquatic invasive species prevention and management programs.

[\[Colorado\] Parks Technician \(Natural Resources/Invasive Species\)](#)

If you're seeking to broaden your invasive species management experience, Jefferson County Open Space is currently hiring limited-term Natural Resources Technicians to assist with our invasive species management program. This is a Limited-term, minimum 6-month position with a projected start date of April 2, 2018 and an anticipated end date of November 10, 2018. **Closes February 25, 2018**

[Reclamation launches prize competition looking to eradicate invasive quagga and zebra mussels](#)  
- **Close: February 28, 2018**

The Bureau of Reclamation is seeking innovative solutions to eradicate invasive zebra and quagga mussels from large reservoirs, lakes, and rivers in a cost effective and environmentally sound manner. Invasive mussel infestations pose significant logistical and economic challenges for local communities, recreationists and water managers. Currently, no practical methods exist for large-scale control of invasive dreissenid mussel populations once they become widely established in a lake or reservoir (referred to as “open-water”). Solutions can be novel treatments or approaches that build upon existing treatments. This challenge launches Stage 1 of a planned three-stage Grand Challenge that includes laboratory-scale and field-scale demonstrations. Winners of the prize competition will have an innovative solution for 100-percent eradication and will share a prize purse of \$100,000

[\[New York\] Invasive Species Strike Team Supervisor – 3 positions](#)

Temporary/Seasonal. NYS Office of Parks, Recreation, and Historic Preservation Strike Teams are broken into four distinct field teams that are positioned statewide, all working independently towards the Agency’s statewide Invasive Species Management strategy. Strike teams primarily perform manual invasive plant removals, as well as surveys, education and other activities as assigned on State Park lands. Strike Teams will travel extensively using agency vehicles across assigned OPRHP Regions (see <http://nysparks.com/regions/default.aspx> for OPRHP regional delineations). A total of 3 Supervisor positions are available statewide; 1 position with each Strike Team. **Closes March 9, 2018**

[\[Minnesota\] Aquatic Invasive Species Program Administrator](#)

Coordinate the technical and operational support of the Minneapolis Park and Recreation Board's (MPRB) Aquatic Invasive Species (AIS) Program consistent with the organizations comprehensive plan and the mission and goals of the MPRB. This work is accomplished to ensure the needs and interests of diverse communities are met while exhibiting cultural proficiency in meeting the needs and interest of underserved and under-represented communities. **Closes March 9, 2018**

[\[Montana\] 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). 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 **Thursday, March 15, 2018.**

[RFP for Lake Tahoe Aquatic Plant Monitoring Plan and Surveillance Monitoring](#)

Deadline for submittal of completed bid: **5pm PST, March 16, 2018.** TRPA is releasing a Request for Proposals (RFP), seeking proposals from qualified professionals to develop an aquatic plant monitoring plan that will allow for consistent replication plant surveys throughout Lake Tahoe, including tributaries and marinas, utilizing multiple techniques and methodologies. In addition, the selected party will implement a complete survey utilizing identified methods to provide a current status of existing aquatic plant species within Lake Tahoe, its tributaries, and marinas.

[\[Montana\] Seasonal Jobs Open for Aquatic Invasive Species Inspection Stations/Monitoring](#)

<a href="#"><u><b>AIS Monitoring Technician - Central</b></u></a>	Helena	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u><b>AIS Monitoring Technician - East</b></u></a>	Multiple Locations	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u><b>AIS Monitoring Technician - West</b></u></a>	Multiple Locations	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u><b>AIS Watercraft Inspector- Anaconda</b></u></a>	Anaconda	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u><b>AIS Watercraft Inspector- Canyon Ferry Reservoir</b></u></a>	Helena	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>

<a href="#"><u>AIS Watercraft Inspector- Dillon</u></a>	Dillon	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u>AIS Watercraft Inspector- Fort Peck</u></a>	Fort Peck	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u>AIS Watercraft Inspector- Fresno Reservoir</u></a>	Havre	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u>AIS Watercraft Inspector- Hardin</u></a>	Hardin	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u>AIS Watercraft Inspector- Helena</u></a>	Helena	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u>AIS Watercraft Inspector- Lincoln</u></a>	Lincoln	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u>AIS Watercraft Inspector- Nashua</u></a>	Glasgow	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u>AIS Watercraft Inspector- Northwest MT</u></a>	Multiple Locations	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u>AIS Watercraft Inspector- Sula</u></a>	Sula	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u>AIS Watercraft Inspector- Tiber Reservoir</u></a>	Chester	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u>AIS Watercraft Inspector- Tongue River</u></a>	Decker	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>
<a href="#"><u>AIS Watercraft Inspector- Wibaux</u></a>	Wibaux	Department of Fish, Wildlife & Parks	<a href="#">Apply</a>

[New York- the Long Island Native Plant Initiative](#)

Currently accepting applications for: Long Island Invasive Species Management Area (LIISMA) Position #1: Invasive Species Education and Outreach Specialist, Position #2: Invasive Species Program Manager. **Open until filled.**

[Nevada - Aquatic Invasive Species \(AIS\) Outreach Team Leader Internship \[AmeriCorps\]](#)

Working collaboratively with Lake Mead National Recreation Area (LMNRA), the Great Basin Institute is recruiting an Aquatic Invasive Species (AIS) Outreach Team Lead Intern to primarily coordinate outreach and education activities focused on preventing the spread of aquatic invasive species by recreational watercraft... **Open until filled**

[Wyoming - Aquatic Invasive Species \(AIS\) Technician \(up to 46 positions\)-Statewide \(open until filled\)](#)

These 5-month positions will inspect watercraft at key locations around the state in an effort to prevent the introduction and spread of aquatic invasive species. Participates in outreach and education efforts to inform the general public about the impacts of aquatic invasive species.

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

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### State

[\[Washington\] Senate passes ban on invasive species Atlantic salmon net pens \(2/9/18\)](#)

The Washington state Senate passed Sen. Kevin Ranker's, D-Orcas, legislation [[SB 6086](#)] to permanently ban commercial net pens used for farming invasive Atlantic salmon in state waters on Thursday, Feb. 8...

Related: [Washington state moves closer to banning Atlantic salmon farms \(2/14/18\)](#)

Related: [Cooke Aquaculture Pacific employees praise compromise bill to keep them employed, address tribal concerns \(2/1/18\)](#);

[Mix of net pen bills takes aim at non-native salmon \(2/9/18\)](#)

[Cooke not giving up after Washington senate votes to end salmon farming \(2/12/18\)](#)

[Cooke: Washington legislators should stand up for the sea farming families who make their livelihoods in Puget Sound \(2/16/18\)](#)

[\[Opinion\] Washington Lawmakers Must Vote Against Fish Farm Ban \(2/21/18\)](#)

[\[Colorado\] Mussel Free Colorado Act introduced to address funding for Aquatic Nuisance Species program \(1/10/18\)](#)

On Wednesday, January 10, 2018, the [Mussel-Free Colorado Act \(HB 18-1008\)](#), sponsored by the water resources review committee, was introduced in the Colorado Legislature. If passed, this bill will provide a stable funding source of \$2.4 million for Colorado Parks and Wildlife's Aquatic Nuisance Species (ANS) Program in 2019 and beyond by requiring motorboats and sailboats to purchase an ANS stamp. Colorado residents will be charged \$25 and non-residents will be charged \$50.

Related: [Mussel-Free bill goes before Colorado legislature \(1/17/18\)](#)

[Fee to combat aquatic invaders cruises through first committee \(1/22/18\)](#)

[Congressman Higgins Calls on Louisiana Wildlife & Fisheries to Create Asian Carp Bounty Program \(2/12/18\)](#)

“Given the lack of commercial demand and the potential for serious ecological effects on Louisiana’s waterways, I am proposing that the Department of Louisiana Wildlife and Fisheries create a bounty program similar to the Coastwide Nutria Control Program (CNCP),” reads the letter.

### **Executive**

#### **BUDGET NEWS**

[2019 President’s Budget \(OMB\)](#)

Appendix and Detailed Budget Estimates by Agency [HERE](#)

Related: [Trump's budget plan would significantly cut funding for Great Lakes restoration \(2/14/18\)](#)

[2019 DOI Departmental Budget Overview](#)

.....The budget also includes \$7.6 million for Reclamation to proactively stop the spread of invasive mussels in the West, including preventing the spread of zebra and quagga mussels into the Columbia River Basin.

[President Proposed \\$1.0 Billion Fiscal Year 2019 Budget for the Bureau of Reclamation](#)

....The FY 2019 budget request supports and emphasizes activities designed to prevent and combat the infestation of quagga and zebra mussels across Reclamation states. These invasive species are rapidly reproducing and have infested multiple operational areas of Reclamation facilities. Research is continuing to find ways to impede the mussels' populations, and funding will support, in cooperation with the Western Governors Association, Reclamation activities established in the Quagga-Zebra Mussel Action Plan. This includes working with states and tribes to keep mussels from infesting the Columbia River Basin in the Pacific Northwest...

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[House Passes Stopgap Spending Bill to End Government Shutdown \(2/9/18\)](#)

...The continuing resolution the House passed Friday will keep the government open through March 23, by which time Congress hopes to pass an omnibus spending bill with full appropriations for the remainder of fiscal 2018. At that point, the fiscal year will be

nearly halfway over. Attached to the CR is language raising the sequestration budget caps for fiscal years 2018 and 2019 by a total of \$296 billion, suspending the debt ceiling until March 2019 and approving an additional \$90 billion in disaster relief, among a host of other policy provisions...

### [Fish farm fight headed to the Hill \(1/29/18\)](#)

For Commerce Secretary Wilbur Ross, there's a sensible way to cut the U.S. seafood trade deficit: grow more fish. "This country, with its abundant coastline, should not have to import billions of pounds of seafood each year," Ross said in October, when he announced that NOAA would give \$9.3 million for 32 research grants to aid the nation's aquaculture industry... The hearing promises to ignite a political fight, with opponents already vowing to go to court to stop the federal government from funding aquaculture efforts [\[The hearing is Tuesday, Jan. 30\]](#)

### [Invasive Species Advisory Council](#)

The Department of the Interior (DOI) issued a notice stating that it is seeking nominations for qualified persons to serve as members of the Invasive Species Advisory Committee (ISAC). Nominations must be submitted by **26 February 2018**. 82 Fed. Reg. 61323 (12/27/17)

## [Congressional](#)

### [Members of Congress want 1-year deadline for Asian carp plan \(2/7/18\)](#)

In a letter Thursday to heads of House spending committees, 26 lawmakers from Great Lakes states said the next federal budget should order the U.S. Army Corps of Engineers to finish its Brandon Road Lock and Dam study by February 2019. A draft released last year recommended a \$275 million upgrade of the lock and dam near Joliet, Illinois, a choke point between the Illinois River and Lake Michigan. The river is infested with Asian carp, which could damage native fish if they become established in the lakes.

Related: [Lawmakers want Asian carp study within a year \(2/12/18\)](#)

### [Four perspectives on Asian grass carp examined at capitol hill briefing \(2/6/18\)](#)

A seven-person panel highlighted a Capitol Hill briefing on invasive Asian grass carp in the Great Lakes on February 6, 2018. The panel consisted of federal agencies, state natural resource agencies, conservation nonprofits, and sportsmen groups offered insights on grass carp from their perspectives. The briefing provided an opportunity for Congressional staff to learn from experts in the field about current research being done to analyze and disrupt the spread of Asian grass carp as well as the impacts carp have on Great Lakes ecosystems, recreational activities, and economies.

## TRAININGS, WEBINARS, CONFERENCES AND MEETINGS

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**\*\* NEW\*\***

### [WIT Advanced Decontamination Training](#)

The Pacific States Marine Fisheries Commission and its 100th Meridian Initiative partners have been sponsoring Watercraft Inspection and Decontamination Trainings since 2006. Advanced and new technologies are ever evolving and it's important that consistent decontamination methods are the standard across the West.

April 25-26, 2018 - Navajo Lake, NM

### [Proceedings and Archived Events](#)

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

**FEBRUARY**

#### **The National Association of Invasive Plant Councils (NAIPC) Webinars**

Monday February 26 - 3:00 PM

[SIIPA Model; Webmap on Early Detection and Rapid Response](#)

Deb Stone and Becca VanKampen

<https://attendee.gotowebinar.com/register/1015233350635437570>

Tuesday February 27 - 3:00 PM

[Legal Issues Surrounding Invasive Species Management](#)

Allen Pleus, Joe Panesko, Helen Speights and Stephanie Otts

<https://attendee.gotowebinar.com/register/9124076629902400259>

Wednesday February 28 - 4:00 PM

[Climate Change and Invasive Species](#)

Bethany Bradley

<https://attendee.gotowebinar.com/register/5428633442110152707>

Thursday March 1 - 3:00 PM

[The Indiana Cisma Project](#)

Troy Hinkle and Brian Kruse

<https://attendee.gotowebinar.com/register/7111359022607421699>

[Return to top](#)

[Flowering Rush Summit](#) on February 27 and 28, 2018 in Spokane, WA. The goal of the Summit is to share current information on distribution, ecology and management of flowering rush. Summit discussions are intended to influence the development of a regional management plan. [Registration now open.](#)

[Webinar] [Influences of the Physical Properties of Water on Mussel Treatment](#) February 27, 1:30 p.m. - 3:00 p.m. Eastern. Please join us for a webinar hosted by the Invasive Mussel Collaborative to discuss recent research examining water properties and treatment efficacy for dreissenid mussels. This webinar will examine water temperature, high water conductivity, and the efficacy of carbon dioxide as a treatment method. [\[Register here\]](#)

National Invasive Species Awareness Week (NISAW) is scheduled for Feb 26 – March 2, 2018. For further information, see <https://www.nisaw.org/>

The next [Invasive Species Advisory Committee \(ISAC\) meeting](#) will be held on February 27th through March 1st, 2018 in Washington, DC. Please see the [Federal Register notice](#) for more information or [register](#) to attend the meeting.

HACCP and HACCP Train-the-Trainer courses in Albuquerque. 2/27 – 3/2, These classes will be team taught by David Britton, Jonathan Thompson and Joanne Grady. Site host and registration contact is [Barak Shemai](#), FWS R2 AIS Coordinator.

### MARCH

The Columbia Gorge Cooperative Weed Management Area is hosting its seventh annual [Invasive Species and Exotic Pest Workshop on March 1, 2018](#) in Stevenson, WA. This year we will be talking about invasive species management and wildfire. The workshop is co-hosted by Washington State University Extension and the Washington Invasive Species Council, and is partially funded through the US Department of Agriculture. Certified herbicide applicators may earn up to 7 Oregon or Washington re-certification credits (pending approval).

Join us March 7th at the [Oregon Dept. of Agriculture Noxious Weed Forum](#) for a day of learning and networking about managing water primrose and yellow floating heart! On site and remote attendance options are both available. If you have information you'd like to share on ecology and impacts, survey, collaborating, herbicide control, manual control, cultural control or volunteer organizing we'd love to hear from you! Please submit a brief 1-2 paragraph abstract of your talk to Beth Myers-Shenai (smyers@oda.state.or.us <mailto:smyers@oda.state.or.us>) by Wednesday, January 31st.

[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)

2nd Call for Papers, [2018 MRNRC Missouri River Conference](#): “More Than Just A River Runs Through It” March 20-22, 2018, Nebraska City, NE Abstracts due 2/16

[2018 Washington Botanical Symposium Wednesday, March 21](#), 2018 University of Washington Botanic Gardens Center for Urban Horticulture, Cost: \$85 Agenda and program information available. Student scholarships, remote attendance, and poster presentation options available. Visit website for details.

[FWS-National Conservation Training Center](#) offers a course in March 2018 on chemical fish removal. The course is designed for fisheries biologists who must manage or supervise the planning and execution of a restoration project using Rotenone or Antimycin.

#### APRIL

[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](mailto: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

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>.

#### OCTOBER

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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