



AQUATIC INVASIVE SPECIES NEWS

08/16/2018

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LAST CHANCE SUMMER READING

[How do you fight flying fish? With a net and a hockey helmet, of course \(8/4/18\)](#)



"We're all pretty expendable, so I think that's our biggest strength," said Emil Gustafsson of he and his five friends who traveled from Gothenburg, Sweden for the [13th annual Redneck Fishin Tournament on Friday, August 3, 2018, in Bath, Illinois]. "I've hated carp as long as I can remember. The only good thing about them is they haven't released a dubstep album." Teams travel internationally to compete in the tournament which removes thousands Asian Carp from the Illinois River, while raising money for the Midwest Shelter for Homeless Veterans.

NEW SPECIES SIGHTINGS

DREISSENIDS

[\[Minnesota\] Zebra mussels confirmed in Amelia Lake in Pope County \(8/2/18\)](#)

The Minnesota Department of Natural Resources has confirmed a report of zebra mussels in [Amelia Lake in Pope County](#). A group of swimmers contacted the DNR after finding a quarter-inch zebra mussel attached to a rock on the north end of the lake. DNR aquatic invasive species specialists found 36 juvenile and adult zebra mussels in three locations during a follow-up survey of Amelia Lake.

[\[Nebraska\] Adult zebra mussels confirmed in Cunningham Lake \(8/3/18\)](#)

The presence of adult zebra mussels in [Omaha's Cunningham Lake](#) has been confirmed by the Nebraska Game and Parks Commission. As a result, the lake now is listed as an infested water body.

[\[Quebec\] Invasive Zebra mussels reach Lac Memphramagog \(8/3/18\)](#)

As an invasive species of mussels begins to appear in [Quebec's Lac Memphramagog](#), local officials are trying to figure out just how big the infestation is

OTHER AIS

[\[Idaho\] New aquatic invasive species found in Coeur d'Alene Lake \(7/27/18\)](#)

A new aquatic invasive species was confirmed in Lake Coeur d'Alene, Friday. Survey teams from the Idaho State Department of Agriculture and Clean Lakes, an Avista contractor, found fragments of curly leaf pondweed in the lake.

[Two new species of non-native zooplankton found in the Great Lakes \(8/9/18\)](#)

Two additional new species of zooplankton were discovered in the Great Lakes. Researchers from the Cornell University Biological Field Station found the two new species in western Lake Erie during routine water sampling. They're native to South America and Asia, but are currently not considered invasive species... One of the newly discovered zooplanktons is *Diaphanosoma fluviatile*, a native of South America, Central America, and the Caribbean... The other newly discovered zooplankton is *Mesocyclops pehpeiensis*.

[\[British Columbia\] Aquarium fish becomes invasive species in Prince George stream \(8/9/18\)](#)

Biologists have discovered an invasive species breeding in a Prince George stream that flows into a tributary of the Fraser River. The rosy red minnow is commonly sold by pet stores as feed fish for other species and isn't native to northern British Columbia. The provincial government says in an information bulletin that invasive fish species can severely harm other aquatic species through competition, parasites and disease.

[\[Montana\] Faucet snail confirmed in Lake Frances \(8/14/18\)](#)

A Fish, Wildlife & Parks aquatic invasive species monitoring crew has confirmed that invasive faucet snails have been discovered in Lake Frances near Valier. The small aquatic snail, also known as a mud bithynia or *Bithynia tentaculata*, is native to Europe and likely arrived in North America in ship-ballast water in the late 1800s. Faucet snails were first observed in Montana in 1959.

[Corbicula fluminea \(Asian clam\)](#) was found in a [Moses Lake, WA](#) at Cascade Park in the town of Moses Lake. [\[USGS NAS Report\]](#)

[Corbicula fluminea \(Asian clam\)](#) was found in San Francisquito Creek, CA. [\[USGS NAS Report\]](#)

[Melanoides tuberculatus \(red-rim melania\)](#) was found in a [Murray Reservoir, San Diego, CA](#). [\[USGS NAS Record\]](#)

[Piaractus brachypomus \(pirapatinga, red-bellied pacu\)](#) [*believed to be a failed introduction*] was found in [Fort Cobb Reservoir, OK](#) [\[USGS NAS Report\]](#)

[Cipangopaludina chinensis \(Chinese mysterysnail\)](#) was found in [Pinto Lake in Watsonville, CA](#) [\[USGS NAS Record\]](#)

DREISSENIID MUSSELS

[\[British Columbia\] The Government of Canada is investing in research and education to prevent Zebra and Quagga mussels invasion in the Okanagan region \(8/6/18\)](#)

Today, Stephen Fuhr, Member of Parliament for Kelowna-Lake County, on behalf of the Honorable Jonathan Wilkinson, Minister of Fisheries, Oceans and the Canadian Coast Guard, announced that Simon Fraser University (SFU) will receive \$100,000 over four years to conduct research that will help assess the risk of spread and predict the ecological impacts of these non-native mussels in the Okanagan region.

Related: [Opinion: B.C. deserves more support to fight invasive species \(8/12/18\)](#)
[OP-ED: Time to show muscle on mussels \(8/13/18\)](#)

[\[Minnesota\] Zebra mussels force anglers to adjust on local lakes \(8/9/18\)](#)

Things have changed on many of the local waters that are infested with zebra mussels. That was the unanimous consensus of four anglers who have fished Douglas County and the surrounding area for decades... "Once we got zebras, it definitely cleared stuff up a lot," Herd said. "You could see the rock piles you were fishing at 13, 14, 15 feet. What it did is it changed the fishing. The weeds got thicker. Our cabbage beds, our milfoil beds, now they're really thick." Clearer water allows sunlight to penetrate and warm the water at greater depths. That means increased weed growth and deeper weed lines.

[\[Texas\] Invasive Zebra Mussel Threat Growing in Canyon Lake \(7/26/18\)](#)

... Zebra mussels have been sighted at 14 Texas lakes so far, with Canyon Lake featuring a small but growing population, said Monica McGarrity, Aquatic Invasive Species team leader for the Texas Parks and Wildlife Department (TPWD)...

[\[Texas\] Invasive species makes home in Round Rock's water intake \(8/12/18\)](#)

An invasive species is "musseling" its way into Round Rock's water intake system. Zebra mussels are clogging the pipes at the local lakes, including Georgetown, where the Round Rock gets its water supply. "Once they get into these lakes it's very difficult to get rid of them," said Michael Thane, the City of Round Rock Director of Utilities.

[Nonnative Quagga Mussels Impacting Glen Canyon National Recreation Area \(8/8/18\)](#)

"They ruin a lot of recreation areas that people typically like to visit just because they're no longer really usable," explained Nathan Owens, the aquatic invasive species coordinator for Utah's Division of Wildlife Resources. "That's kind of what we're starting to see in a few areas at Lake Powell for the first time. I've been told by boaters, they've tried to pull up to land but they didn't want to walk out because it was covered in mussels and they didn't want to get cut up. So they just ended up going somewhere else."

[Scientific Publications] Sophie Mallez and Michael McCartney. 2018. [Dispersal mechanisms for zebra mussels: population genetics supports clustered invasions over spread from hub lakes in Minnesota](#). Biological Invasions. Volume 20, Issue 9, pp 2461–2484 (\$\$\$)

BOAT INSPECTION/DECON/TECH NEWS

[\[Utah\] DWR program aims to make it easier to launch boats at Flaming Gorge \(7/31/18\)](#)

The Utah Division of Wildlife Resources has created an express pass program aimed at reducing the amount of time boaters spend with aquatic invasive species specialists before launching on the Utah side of Flaming Gorge Reservoir.

[Halfway Through Boating Season, Montana Has Intercepted 12 Boats with Invasive Mussels \(7/26/18\)](#)

With summer half over, more than 50,000 watercraft have been inspected at Montana Fish, Wildlife and Parks aquatic invasive species inspection stations around the state... To date, 12 boats with invasive mussels have been intercepted in Montana.

[Boats from Lake Powell will be locked to trailers to prevent spread of aquatic invasive mussels \(7/26/18\)](#)

Certain watercraft brought into Montana from Lake Powell on the border of Utah and Arizona may be locked to their trailers for a week or more to prevent the spread of aquatic invasive mussels.

MARINE

[\[Hawaii\] Sea urchins help researchers fight reef-smothering algae \(8/10/18\)](#)

A management approach that combines manual removal and outplanting native sea urchin is effective in reducing invasive, reef-smothering macroalgae by 85 percent on a coral reef off O‘ahu, according to researchers.

Related: [Scientists Use “Super Sucker” Vacuum to Help Save Hawaii’s Coral Reefs \(8/14/18\)](#)

[For the Record: Foreign Kelp Washes Up in Antarctica \(7/16/18\)](#)

An unexpected find of southern bull kelp on an Antarctic beach has revealed the longest known biological rafting event ever recorded. DNA samples taken from the kelp revealed that one specimen drifted from the Kerguelen Islands in the Southern Indian Ocean and another from South Georgia in the South Atlantic Ocean. The kelp drifted an estimated 20,000 kilometers (12,400 miles), passing through what were thought to be impenetrable currents and winds.

BALLAST WATER/BIOFOULING

[Could ballast-free shipping be the best route to IMO compliance? \(8/7/18\)](#)

Following the adoption of the IMO’s Ballast Water Management Convention in 2017, ship operators have come under increasing pressure to improve the efficiency of their ballast water systems. But, could an increased focus on ballast-free shipping remove the need for these systems altogether?

[\[Scientific Publication\] John Darling, John Martinson, Yunguo Gong, Sara Okum, Erik Pilgrim, Katrina Lohan, Katharine J. Carney, and Gregory Ruiz. 2018. Ballast water exchange and invasion risk posed by intra-coastal vessel traffic: An evaluation using high throughput sequencing. Environ. Sci. Tech. \(\\$\\$\\$\\$\)](#)

FISH

[CTFW continues bounty on Northern Pike in Columbia River \(7/27/18\)](#)

A ten-dollar reward is offered by the Colville Confederated Tribes Fish and Wildlife for the capture of the Northern Pike in the Columbia River. The invasive species is considered a threat to the Columbia River for eating important game fish species,

introduction of parasites and diseases and competition with native species for food sources.

Related: [Fighting The Northern Pike Invasion Into Basin: Spokane Forum Calls Economic Impact Study A Priority \(7/27/18\)](#)

[Kansas warns move by Nebraska may expose Milford, Lovewell reservoirs to invasive fish species \(8/11/18\)](#)

The proposal before bureaucrats in Lincoln, Neb., would clear the way for a historic diversion of water from the Platte River into the Republican River via the 25-mile Turkey Creek tributary, marking the first time Nebraska has artificially connected two rivers, according to the Omaha World Herald. But the problem, according to the Kansas Department of Wildlife, Parks and Tourism, is that connecting the two rivers could result in the migration of several harmful species of fish and plant-life into Kansas waterways, including one of the most prestigious catfish and bass fisheries in the state — Milford Reservoir

[As Asian Carp Invade Tennessee, The State Asks Fishermen To Help Fight Back \(7/30/18\)](#)

All of these efforts — the new technology, harvest incentives and the fishing tournaments — will get expensive and the federal government has prioritized some northern states because the Asian carp problem is considerably worse there. “Illinois gets most of the money to address asian carp and they’ve got a pretty significant challenge trying to keep them out of the Great Lakes,” Mike Butler, CEO of Tennessee Wildlife Federation, said. “Moving forward, there’s got to be some support given to southeastern states like Kentucky and Tennessee.”

Related: [Kustoff addresses Asian carp problem on U.S. House floor \(7/29/18\)](#)
[Carp Concerns: Standing Room Only At West Ky. Congressional Hearing \(7/30/18\)](#)

[Return of the Yellowstone cutthroat trout \(8/10/18\)](#)

For the first time the boats netting lakera on Yellowstone Lake — one of the park’s lake trout removal methods — are catching fewer fish, despite a record six boats on the water, Koel said. Last year the boats removed almost 400,000 lake trout. As of early August they’d caught only 195,000 lake trout compared to 266,000 netted at the same time the year before. It’s nearly a 30 percent decrease.

[New Chicago Dog Food Company Battles Invasive Fish Species \(8/18\)](#)

Asian carp may soon become a worry of the past thanks to Chicagoans Mike Cody and Logan Honeycutt. What’s their solution? Turning the infamous fiendish fish into dog food! The Asian carp will be the main source of protein for the year-old startup BareItAll Petfoods, along with other all natural ingredients. Currently, the product is being sold in around forty-five retail stores, strictly as dog treats right now, but they do plan to expand into the cat food market later this year.

[Eradication Measures Requested To Address Asian Carp in Great Lakes \(7/27/18\)](#)

The communications director for the Great Lakes Fishery Commission in Ann Arbor, Michigan says he supports the action of members of the Georgian Bay Great Lakes Foundation in issuing an alert and request for Grass Carp eradication measures immediately in Lake Huron.

[\[Book\] Planning and Standard Operating Procedures for the Use of Rotenone in Fish Management: Rotenone SOP Manual, 2nd Edition | American Fisheries Society](#)

AQUACULTURE

[\[British Columbia\] Judge bans salmon farm opponents — except independent biologist — from getting too close \(8/2/18\)](#)

Supreme Court judge has granted Atlantic-salmon farming company Marine Harvest an interim injunction to prevent both specific protesters and members of the public from getting too close to more than 30 of its sites.

[\[British Columbia\] Reporting Atlantic Salmon Sightings in British Columbia Waters \(8/9/18\)](#)

Fisheries and Oceans Canada (DFO) is seeking assistance in identifying and reporting Atlantic salmon in British Columbia (B.C.) waters, following the escape of Atlantic salmon from an aquaculture facility in Washington State, August 2017.

OTHER

[Do \[introduced\] shrimp hold the key to a clearer Lake Tahoe? Researchers plan to find out \(8/2/18\)](#)

In recent decades, Lake Tahoe has grown murkier and murkier, with people quick to blame obvious culprits: a rise in tourism and development, along with fluctuations in drought conditions and rainfall. But an unlikely crustacean culprit may also play a role in the story of the lake's decreasing clarity, some researchers now believe, according to the annual State of the Lake report from the Tahoe Environmental Research Center at UC Davis. Mysis shrimp were introduced to Lake Tahoe in the mid-20th century by what was then called the California Department of Fish and Game, with the hope they would provide a food source for the mid-sized fish that lake goers enjoyed catching on fishing trips, like the Tahoe angler.

[Invasive crayfish lead to more mosquitoes and risk of disease in Southern California \(8/6/18\)](#)

Invasive red swamp crayfish are a serious problem in the Santa Monica Mountains and other parts of Southern California. They devastate native wildlife, including threatened species such as the California red-legged frog, throwing off the natural balance of ecosystems. They also pose a threat to people, according to a [new paper in the journal Conservation Biology](#). Mosquitos are notorious vectors that spread diseases such as malaria, Zika and West Nile virus. In the mountains, mosquito populations are kept in

check by dragonfly nymphs, which voraciously consume their aquatic larvae. But invasive crayfish disrupt that predator-prey relationship, killing and driving dragonfly nymphs from waterways. And while crayfish also consume mosquito larvae, they're simply not as good at it, the researchers found.

Related: [\[Germany\] For Berlin, Invasive Crustaceans Are A Tough Catch And A Tough Sell \(8/8/18\)](#)

[\[Alaska\] Biologists survey invasive crawfish in Kodiak Island lake \(8/14/18\)](#)

A team of biologists is surveying a lake on Kodiak Island for crawfish, an invasive species in Alaska that has been observed in higher frequency over past several years. The biologists working for the Sun'aq Tribe of Kodiak began the three-year project this spring, analyzing the distribution, movement and diet of crawfish in Buskin Lake, the Kodiak Daily Mirror reported Monday.

['Everybody's problem': Invasive apple snails threaten Salt River ecosystem \(7/27/18\)](#)

... The snails easily adapt to new environments and seem to thrive in heat and drought. Once established, they are almost impossible to eradicate. They have no natural predators in Arizona and even eat other snails' eggs. They threaten ecosystems and agriculture across the world, and host a parasite that causes meningitis... "Somebody's unwanted aquarium pets were illegally introduced into the wild. And now they become everybody's problem."...

[The quiet threat to Idaho's water \(7/30/18\)](#)

A bubble-gum pink substance rests on a branch. It's completely foreign to the 10-mile stretch of river surveyed July 24 during an annual survey. These alien-like pink bubbles are apple snail eggs. Apple snails are mollusks from South America introduced through aquaculture trade. The eggs are unpalatable to predators, which can lead to an overabundance of the species... The apple snails were just one of the many invasive species and noxious weeds found during the yearly survey of the river

[Scourge of feral swine way down in Oregon due to aerial hunting \(7/30/18\)](#)

The Bend Bulletin reports that the state has managed over the past decade to cut the population — through trapping and aerial hunting — from more than 3,000 to less than 200. The remaining swine roam in the vast wilderness of Central Oregon and open terrain along the California border.

[Removing invasive island rats could help coral reefs \(8/8/18\)](#)

Invasive rats are notorious for their devastation of island ecosystems, but their damage might go deeper than scientists once believed. Biologists recently discovered that nonnative rats could impede the flow of nutrients from seabirds to the world's vanishing coral reefs, and they stress the need to exterminate the rodents to conserve these diverse marine habitats.

WILD SPOTTER™ - A New National Effort to Increase Citizen Science Capacity to Map Invasive Species in America's Wild Places. In partnership with Wildlife Forever, USDA Forest Service, and other organizations across the United States, the University of Georgia - Center for Invasive Species and Ecosystem Health has launched a nationwide citizen science volunteer capacity-building program called [Wild Spotter](#).

WEEDS

[This monster plant is taking over Silicon Valley — should we let it? \(8/7/18\)](#)

The story is quirky, but the questions it raises are big. What do we do when an invasive species [Spartina] starts to do some good in an ecosystem? How much money and time should we spend fighting off an invader, or saving a threatened species, or both? And what happens when we hit a stalemate like this one? Check out the [video](#) to wade into the debate

[\[British Columbia\] Invasive species found in the Squamish Estuary \(8/10/18\)](#)

Sea to Sky Invasive Species Council asks that community members to keep an eye out for potential source populations [of purple loosestrife] further upstream along the Squamish River, and in other wetland and riparian habitats in the Squamish area.

[Scientific Publication] Crysta A. Gantz, Mark A. Renshaw, Daniel Erickson, David M. Lodge, Scott P. Egan. 2018. [Environmental DNA detection of aquatic invasive plants in lab mesocosm and natural field conditions](#). Biological Invasions. Volume 20, Issue 9, pp 2535–2552 (\$\$\$\$)

JOBS/GRANTS

JOBS

[Director of California Sea Grant](#) **Application Deadline: August 24, 2018**

Scripps Institution of Oceanography (SIO), University of California San Diego (UCSD), seeks a vibrant, accomplished, and collaborative leader to serve as the Director of California Sea Grant (CASG). The Director assumes overall responsibility for leadership and programmatic oversight of CASG, and has national, state-wide, and university-wide responsibilities. Working with a team that includes 18 staff members, 9 extension specialists and an extension director (each of whom holds an academic position), the Director secures financial support for the program and builds successful partnerships across numerous and diverse constituencies within and beyond the state of California. The Director facilitates high-impact research, outreach, fellowship and communications activities to increase the understanding of, responsible interaction with, and use of California's ocean and coastal resources. The Director leads the CASG Management Team that also includes the extension director, business manager, and communications coordinator.

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[California Sea Grant State Fellowship 2019](#). The California Sea Grant College Program is soliciting applications for the 2019 California State Fellows Program. The State Fellows Program provides a unique educational opportunity for graduate students who are interested both in marine resources and in the policy decisions affecting those resources in California. Modeled after the highly successful Knauss Marine Policy Fellowship Program, the State Fellows Program provides an opportunity to acquire "on the job" experience in the planning, implementation and management of marine, coastal, and/or watershed resource policies and programs in the state of California. The program matches highly motivated and qualified graduate students and recent graduates with hosts in state, federal or municipal agencies in California for a 12-month paid fellowship (\$3,905 per month). **Application Deadline: August 31, 2018**

GRANTS

[RFP: Lake Tahoe AIS Strategic Plan](#) -- You are invited to review and respond to this request for proposal (RFP) entitled CTA 18 006 Aquatic Invasive Species Strategic Plan. **Final date for proposal submission is August 29, 2018 no later than 4:00 PM**. This link will then refer you to two additional links, one the RFP, the other the sample contract that contains the scope of work for services being sought.

[RFP: Vulnerability and Habitat Suitability Analysis for Aquatic Invasive Species in Lake Chelan](#) Chelan County Natural Resources Department has requested professional services qualifications for professional services to assist with a Vulnerability and Habitat Suitability Analysis for Aquatic Invasive Species in Lake Chelan. **Interested parties must reply by 5:00 PM, PDT, Friday August 31, 2018**

FEDERAL/STATE/PROVINCIAL LEGISLATION, RULES, ACTIONS

Advocacy

[National Marine Manufacturers Association \(NMMA\) Holds First Boating and Fishing Aquatic Invasive Species Coalition Meeting \(7/24/18\)](#)

On Monday, NMMA hosted the inaugural meeting of the Boating and Fishing Aquatic Invasive Species Coalition, which is comprised of stakeholder organizations from around the country. The coalition, spearheaded by NMMA, was formed to present a united front on Aquatic Invasive Species (AIS) policies at the federal level. At the meeting, the coalition unanimously agreed to support the U.S. Army Corps of Engineers' (USACE) [Brandon Road Study](#), a report evaluating options to prevent the spread of AIS from the Mississippi River Basin into the Great Lakes Basin and steps to speed up USACE's study timeline..... NMMA is committed to preventing the spread of AIS. To this end, NMMA recently released a position paper analyzing the impacts of AIS on communities,

ecosystems, and the future of recreational boating. The paper also outlines steps to accomplish this goal, which includes changes in boat designs, boater education programs, and federal, state, and local decontamination and inspection programs. Click the following link to read NMMA's position paper:

<http://nmma.net/assets/cabinets/Cabinet521/NMMA%20AIS%20Position%20Paper.pdf>

State

Western Governors' Association Takes Aim At Invasive Species (8/3/18)

With a new biosecurity initiative, the association's incoming chair, Hawaii Gov. David Ige, is putting a premium on protecting the environment from damage caused by invasive species.

Executive

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Congressional

WRDA: Senate aims to keep projects bill on track (8/16/18)

Senators who returned to Capitol Hill yesterday said that their water infrastructure authorization bill is still on track for a vote this month. [S. 2800](#), "America's Water Infrastructure Act," includes reforms to the authorization process for related projects. Although Environment and Public Works Chairman John Barrasso (R-Wyo.) told *E&E News* the plan was for a vote this month, ranking member Tom Carper (D-Del.) indicated that there may be a slight hurdle ahead. He said that North Carolina Republican Sen. Richard Burr has pushed to get reauthorization for the popular Land and Water Conservation Fund included in S. 2800. LWCF uses money primarily from offshore oil and gas drilling profits to preserve and maintain parks, forests, recreation areas and cultural sites. The fund expires on Sept. 30. After reauthorization language failed to make it into the Senate's latest minibus spending package, Burr pledged to use every legislative opportunity possible to keep the fund alive. Carper said he heard that some Republicans were "uncomfortable" including LWCF language in the infrastructure bill but said the conversation was ongoing. "My hope is that they can work something out so that we can move [the water projects bill] soon because there is broad agreement in what we need to do," he said yesterday. Among other things, the bill would authorize \$200 million per year over five years to state revolving fund projects and simplify the federal approval process by allowing already vetted drinking water and wastewater efforts to get funding. It would also direct the Army Corps of Engineers and the Energy and Interior departments to study obstacles to offshore wind development in New England and the Mid-Atlantic, and create positions at EPA regional offices to act as "liaisons" for minority, tribal and low-income communities. [Source: Reprinted from *E&E Daily*, 8/16/18, with permission from Environment & Energy Publishing, www.eenews.net; 202/628-6500].

NOTE: Sec.1024 of the [S. 2800](#), “Watercraft Inspection Stations”, directs the Secretary to establish, operate, and maintain new or existing watercraft inspection stations intended to prevent the spread of aquatic invasive species. It increases to \$30 million the Corps’ authorization for watercraft inspection stations on the Columbia River Basin. It also provides \$30 million in authorized appropriations for inspection stations in the Upper Missouri River Basin [**Note:** *The “Upper Missouri River Basin” language would expand the program beyond the Columbia River Basin*]

Related: [Burr Leads Bipartisan Group Urging Senate Leadership to Reauthorize LWCF \(8/2/18\)](#)

[H.R. 6645 Harmful Algal Bloom and Hypoxia Research and Control Act of 2018](#)

[Rep. Brian Mast \(R-Fla.\)](#) introduced legislation this week to reauthorize the Harmful Algal Bloom and Hypoxia Research and Control Act for five years and increase the program's annual funding to \$22 million. Co-sponsored by Reps. Bill Posey (R-Fla.), Suzanne Bonamici (D-Ore.) and Marcy Kaptur (D-Ohio), H.R. 6645 is similar to a bill from Sen. Bill Nelson (D-Fla.) that passed the Senate last fall. Mast's bill goes one step further. It would also require a federal action plan to reduce harmful algal blooms in the Everglades.

BUDGET

[For Once, Senate Set to Eclipse House in Appropriations Pace \(7/30/18\)](#)

Optimism is building that Congress may send a handful of spending bills to the White House in September — avoiding the need for the entire federal government to operate under a stopgap during the fall and lowering the odds that a lame-duck Congress will resort to a 12-bill omnibus. That hope is tempered, however, by the uphill climb to negotiate compromise versions of several spending bills that either have passed both chambers already or seem likely to by the end of this week. And the two chambers look to be headed for an impasse over border wall funding that could dominate the post-midterm session.

[Senate Passes Another Appropriations Package, Approves Four More Bipartisan Funding Bills \(8/1/18\)](#)

WASHINGTON, D.C. – U.S. Senator Richard Shelby (R-Ala.), chairman of the Senate Committee on Appropriations, today applauded the Senate’s passage of [H.R. 6147](#), the second Fiscal Year 2019 minibus appropriations bill. The funding legislation packages four measures including Interior, Environment, and Related Agencies; Financial Services and General Government; Transportation, Housing and Urban Development, and Related

Agencies; and Agriculture, Rural Development, Food and Drug Administration, and Related Agencies. This marks the Senate's completion of seven FY2019 appropriations bills.

TRAININGS, WEBINARS, CONFERENCES AND MEETINGS

Recently Archived

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Events: Webinars, Trainings, Conferences and Meetings

Watercraft Inspection and Decontamination Trainings

Fall 2018 / Spring 2019 Lake Mead & Lake Powell

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

ONLINE REGISTRATION HAS BEGUN for the following:

10/2 – 3, 2018	Lake Mead	WIT II
11/7 – 11/8, 2018	Lake Powell	Advanced Decon
2/5 – 2/7, 2019	Lake Powell	WIT III
2/26 – 2/27, 2019	Lake Mead	WIT II
3/26 – 3/27, 2019	Lake Mead	WIT II
4/9 – 4/10, 2019	Lake Mead	WIT II

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

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

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

On [July 12](#), The Western Governors' Association launched the WGA [Biosecurity and Invasive Species Initiative](#), the signature initiative of WGA Chair, Hawaii Governor David Ige. The Initiative will focus on the impacts that nuisance species, pests, and pathogens have on ecosystems, forests, rangelands, watersheds, and infrastructure in the west, and examine the role that biosecurity plays in addressing these risks. The goal is to examine emerging issues in biosecurity and invasive species management in the West, and develop a set of policy recommendations, best practices, and technical tools to address those issues.

The Initiative will accomplish this goal, in part, through webinars and a series of [workshops](#) across the West. The dates, locations, topics, agendas, and registration links for the workshops are below:

- **Lake Tahoe, Nevada, Sept. 17-18, 2018.** Topic: *Prevention, Control, and Management of Established Species* ([Agenda](#)). Register [here](#).
- **Cheyenne, Wyoming, Oct. 11-12, 2018.** Topic: *WGA Working Lands Roundtable: Invasive Species and Restoration* ([Agenda](#)). Register [here](#).
- **Helena, Montana, Nov. 14, 2018.** Topic: *Early Detection and Rapid Response* ([Agenda](#)). Register [here](#).
- **Kona Coast, Hawaii, Dec. 9-10, 2018.** Topic: *Biosecurity and Agriculture* ([Agenda](#)). Register [here](#).

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

AUGUST

Montana Invasive Species Council (MISC): August 21, 2018 ~ 10-4, MISC Meeting, Crow Agency, MT [agenda](#)

The [Montana Invasive Species Council \(MISC\)](#) will host invasive species listening sessions in Billings, Fort Peck and Kalispell over the course of the next few weeks. The listening sessions will be focused on the findings of a recent invasive species law review, which will also support the upcoming Montana Invasive Species Summit to be held in Helena November 15-16, 2018. The public is encouraged to attend. The listening sessions will be held in the following locations:

Tuesday, August 21, 4 pm – 6pm
Montana Dept. of Natural Resources & Conservation – Southern Land Office
1371 Rimtop Drive, Billings

Tuesday, August 28, 4 pm – 6 pm
Ft. Peck Interpretive Center
Yellowstone Rd, Fort Peck

Tuesday, September 11, 5:00 pm - 8 pm
Homewood Suites
195 Hutton Ranch Road, Kalispell

SEPTEMBER

[Washington Invasive Species Council](#): September 6, 2018, Olympia, [Natural Resources Building](#) Room 172.

The Level [1 Noxious Weed Management Certification Workshop](#) will be held September 11-13, 2018, in Bozeman, MT. This is the first workshop in a 3-part series that provides information on weed identification, biology, ecology, and integrated management.

[ABYC Aquatic Invasive Species Summit](#) Thursday, September 20, 2018, Annapolis, Maryland.

[2018 OLA/WALPA Joint Conference](#) Join us for workshops, presentations, a field trip, and meeting with friends and colleagues at the 2018 Joint Oregon Lakes Association/Washington State Lakes Protection Association Conference at the DoubleTree by Hilton in Portland, Oregon. September 26-28, 2018

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.

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. [Early Registration is now open](#)

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

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

NOVEMBER

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

Save the Date: [Fish and Wildlife Health Forum](#), Reston VA November 13-16

Save the date: 2018 [Governor's Summit on Invasive Species](#) [Montana] Colonial Radisson Hotel, Helena. November 15-16

DECEMBER

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

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

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

JANUARY

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

MARCH

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

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