Lurking, and apparently thriving, under the quiet, shallow shoreline waters of Lake Roosevelt in Northeastern Washington is an aggressive, invasive predator that has the potential to upset billions of dollars of investment to rebuild native fish populations including redband trout, kokanee, white sturgeon, burbot, and possibly salmon and steelhead.

There is no question the Lake Roosevelt pike population is exploding, or is about to. Hundreds of juvenile pike are stunned during regular electrofishing patrols and scooped from shallow backwaters along the lake shore.

Thus, the concern about pike, and the potential impacts, extend beyond the lake and its fisheries, which have financial, recreational, and cultural importance…
OREGON INVASIVE SPECIES COUNCIL NOMINATIONS NEEDED

The Oregon Invasive Species Council (OISC) is seeking nominations for 5 at-large member seats to serve a 2-year term 2019-2020. Could you, or someone you know, be a good addition to the Council? Send us a nomination by November 8, 2018. Nominees should be willing and able to serve for two years. Nominations and questions about the process should be sent to coordinator@oregoninvasivespeciescouncil.org Please include the individual’s name, title, phone, email, and mailing address, as well as a brief description of their qualifications (self-nominations are acceptable). In addition, the Council requests a statement from the person being nominated that explains their interest and contributions they are willing to make to the Council.

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

NEW SPECIES SIGHTINGS

DREISSENIDS

[Minnesota] Zebra mussels confirmed in Lake Riley, Carver County (10/29/18)
Zebra mussels confirmed in several central Minnesota lakes (10/29/18)
Zebra mussels confirmed in Lake Sarah in Murray County (10/25/18)
Zebra mussels confirmed in Elkhorn Lake in Kandiyohi County (10/25/18)

[Iowa] Zebra mussels found in Lost Island Lake (10/23/18)
The Iowa Department of Natural Resources (DNR) recently confirmed that zebra mussels are in Lost Island Lake near Ruthven in Palo Alto County… The documentation of zebra mussels in another lake highlights the spread of aquatic invasive species in Iowa waters. [USGS NAS report here]

OTHER AIS

[Wisconsin] An aquatic invasive plant found on the Upper Mississippi River (10/17/18)
An aquatic invasive plant species was found on the Upper Mississippi River in Pool 8. According to a release from the National Wildlife Refuge System, water hyacinth is a highly invasive aquatic plant species that spreads quickly. Agency and non-profit efforts are taking place working to remove these plants, some of which were found almost three miles downstream near River Mile 696.

[Arkansas] Channa argus (Northern Snakehead) was found in Horseshoe Lake, AR. [USGS NAS record here]
[Arizona] *Cipangopaludina chinensis* (Chinese mysterysnail) was found in Imperial Reservoir upstream of Imperial Dam, Colorado River, AZ. [USGS NAS record here]

[Wyoming]  
**Invasive New Zealand Mudsnails Found Near Casper (10/23/18)**  
**Invasive snail species continues to spread in Wyoming (10/23/18)**

[Oregon] *Rhithropanopeus harrisii* (Harris mud crab) was found in Siuslaw River, North Fork, OR. [USGS NAS record here]

[Minnesota] *Trout-snuffing 'rock snot' confirmed in North Shore stream (10/25/18)*  
A nasty cold-water algae nicknamed "rock snot" has been confirmed in the Poplar River near Lutsen along the North Shore of Lake Superior, the first such finding in a Minnesota trout stream.

**DREISSENID MUSSELS**

[Nebraska] *Draining of Cunningham Lake begins; park to remain open (10/31/18)*  
Long walks through the woods and grassy fields of a northwest Omaha park will be possible this winter after all. Omaha’s Parks Department has reversed course and decided to allow public access to the 1,050 acre park around Cunningham Lake while the lake is being drained. The draining of the lake began Tuesday, said Michael Izard-Carroll, spokesman for the Army Corps of Engineers. The project is being undertaken in a bid to kill off two exotic species — the zebra mussel and common carp — that threaten to upend the popular lake's ecosystem.

**Bureau of Reclamation selects three submissions to receive prizes for the eradication of invasive mussels in open water prize competition (10/29/18)**  
Bureau of Reclamation Commissioner Brenda Burman announced today that Reclamation has selected three submissions for its prize competition seeking ideas to eradicate mussels in open water. Steven Suhr and Marie-Claude Senut will receive a full award of $80,000 for their idea while Wen Chen and Absar Alum with Stephanie Bone will each receive $10,000.

New Western Regional Panel working group documents released and posted at westernais.org  
**Dreissenid Mussel Sampling and Monitoring Protocol (Western Regional Panel, October 2018)**  
**Laboratory Standards for Dreissena Veliger Analysis (Western Regional Panel, October 2018)**

[Minnesota] *Breaking down zebra mussels: DNR, PRWD collaborate on study of how invasive species will impact Detroit Lake ecosystem (10/15/18)*  
… Though the impact of zebra mussels on the zooplankton and phytoplankton populations won't become measurable for a few years yet, Alcott noted, the measurements that he and Olson have been doing over the past couple of summers will serve as a baseline comparison for when they do…

Return to top
BOAT INSPECTION/DECON/TECH NEWS

[Alberta] Some close calls, but invasive mussels kept at bay this year (10/23/18)
“This year, inspectors surveyed 31,000 boats and found 11 carrying invasive mussels,” said Janine Higgins, an official with the Community Engagement Branch of Alberta Environment and Parks.

Manitoba introduces new fine system for boaters in effort to stop invasive species (10/16/18)
With a Manitoba winter imminent, the season for boats and other watercraft is coming to a close, but the province is introducing a new enforcement effort Wednesday to prevent the spread of aquatic invasive species (AIS). Boaters will now face set fines for a range of offences, including possessing a prohibited species (like zebra mussels), or failing to stop at watercraft inspection stations.

[Texas] Amistad to utilize mussel-detecting dogs at boat ramps (10/17/18)
Three mussel-detecting dogs will help prevent invasive species from spreading into lakes at national parks beginning Saturday at Amistad National Recreation Area. Working Dogs for Conservation, a Montana-based nonprofit that trains dogs to help preserve natural environments, will visit the park for three-and-a-half weeks to help prevent zebra and quagga mussels from spreading into Lake Amistad, according to biological technician Joanny Guindin Robles.


MARINE

[Washington] Green crab numbers dwindle in Dungeness (10/17/18)
Resource managers at Dungeness’ Washington Maritime National Wildlife Refuge are happy to find less of what they were hunting. Lorenz Sollmann, deputy project leader at the refuge, said the group caught 69 of the invasive European green crabs on the Dungeness Spit from April through Oct. 7, with all but four of those found on Graveyard Spit. That’s down from 96 last year during approximately the same time span.
Related: Invasive green crabs poised to move to South Sound (10/29/18)

Researchers Identify Invasive Algae from Japanese Tsunami Debris on PNW Coast; None Gain Foothold (10/26/18)
Researchers from the United States and Japan have identified 84 species of marine algae and cyanobacteria that arrived on the Pacific Northwest coast via debris from the 2011 Tohoku earthquake and tsunami and, to date, none have gained a foothold in U.S. coastal waters.
U.S. Ballast Water Management Requirements: Operational limitations in type approval testing (10/17/18)

The Coast Guard recently published a letter to the Coast Guard-accepted independent laboratories (ILs) providing guidance for evaluating manufacturer-identified operational limitations during type approval testing of ballast water management systems (BWMS). The letter can be found under the Ballast Water Management System Switchboard on the Coast Guard website’s Marine Safety Center page here.

Mobile BWTS Tested on Great Lakes (10/29/18)

Global Diving & Salvage, Inc. recently led a demonstration of the mobile ballast water treatment system, Ballast Responder, on board the 730-foot bulk carrier Tim S. Dool on the Great Lakes. “Equipment was operational within eight hours of arrival and the first set of tanks were fully treated, neutralized, and ready to discharge only 20 hours later,” said Glosten Principal and ballast water treatment expert Kevin Reynolds, PE.

Canada Great Lakes Ballast Water Trial (10/16/18)

The study by Fisheries and Oceans Canada will conduct onboard testing of ballast water between July and October this year to ensure vessels are compliant and there is an accurate and reliable portable ballast water testing capability in place.

HullWiper Brings Affordable Hull Cleaning to the Panama Canal (10/16/18)

As the key transit point for vessels sailing between the Atlantic and Pacific Oceans, the Panama Canal is a gateway to the world and the obvious choice for HullWiper’s first operational location in the Americas. Managing Director Simon Doran says: “With our ROV now available in the Panama Canal, owners and operators of commercial vessels in the transit queue can use their waiting time to remove marine fouling and enjoy the benefits of improved vessel performance, fuel savings and lower GHG emissions, without any extra downtime or harming the marine ecosystem.”

Marine Safety Center issues Ballast Water Management System Type Approval Certificate to Hyundai Heavy Industries Co., Ltd. (10/26/18)

The treatment principle of the HiBallast BWMS consists of filtration with electrolysis during uptake and neutralization during discharge. This approval covers models with maximum treatment rated capacities between 75 m³/h and 10,000 m³/h.

FISH

This sucks: U of M researchers hope to turn the ‘salmon cannon’ into a carp vacuum (10/30/18)
...Now, in Minnesota, researchers are studying whether the salmon cannon could be put to a new — if morbid— task: sucking up thousands of common carp from the state’s lakes and marshes...

Goldfish Rescue In Seattle: 'Fish And Chips' Now Safe (10/21/18)
"When fall rains come, these goldfish would likely be washed away into Lake Washington and may not survive the trip down the pipes," SPU Senior Environmental Compliance Inspector Eric Autry said in a bulletin about the rescue. "Believe it or not, goldfish are an invasive species, and we want to prevent the introduction of invasive species into our local water bodies. Plus, we could use some company around the office."

Turning an invasive problem into a bait solution (10/25/18)
With concerns growing over a likely bait shortage in the lobster industry in Maine and Canada due to a drastic cut in the upcoming season's herring quota, Nova Scotia resident Patrick Swim has a possible solution. Swim thinks he can solve the bait shortage by harvesting an invasive species… Swim was intrigued by reports that silver carp are so disturbed by noise and vibration caused by boat motors that they jump up to three meters out of the water. While looking at this flying fish phenomenon, Swim, whose family have long fished lobster on Canada's Cape Sable Island, had an idea to harvest the carp, freeze it, cut it into pieces and sell it as a cheap bait to East Coast lobster fishermen… If the project receives all the permissions and clearances it needs, the state of Illinois believes hundreds of millions of pounds of Asian carp could be harvested annually from it waters, with 50 million pounds coming directly from the Illinois River.

Slow-moving Asian carp response keeps lakes at risk (10/22/18)
... Nine years later the federal government with the Army Corps of Engineers at the helm, along with Great Lakes states lead by Michigan are still in pursuit of solutions to thwart the carp assault…

Groups working together to protect Great Lakes from Asian carp (10/27/18)
The Block Asian Carp organization is using a powerful video and a petition drive to urge other states to join a regional coalition pushing for more financing to implement a U.S. Army Corps of Engineers plan to create additional barriers to prevent the invasive fish from ever reaching the Great Lakes.

Iowa officials scale back plans for controversial pesticide near Easter Lake (10/24/18)
Plans to use a toxic pesticide linked to Parkinson’s disease to clean up a creek flowing into Easter Lake have been scaled back. Iowa’s Department of Natural Resources decided against using rotenone on a stretch of Yeader Creek after testing found no invasive carp or gizzard shad, spokesperson Alex Murphy said.
Lionfish among species that could spread from climate change (10/28/18)

Think about climate change, and you may picture melting ice caps and stranded polar bears. But you should also picture a reef-destroying lionfish, voracious Burmese python, or disease-spreading Asian tiger mosquito. As seasonal cycles shift and ecosystems are thrown off balance, those invasive species — and many others — could infiltrate a broader range of territories with devastating consequences to our health, vital habitats and industries.

[VIDEO] How To Make It: How Illinois Fishermen Turned the Invasive Asian Carp Business Model (10/21/18)

The day started at 5:00 a.m. on a rainy, cold morning before Briney drove us out to his secret fishing spot. As soon as the boat started moving, fish started actually flying — agitated by the warmer than usual water temperature.

AQUACULTURE

Sea lice outbreak shuts down Tofino BC salmon farm (10/27/18)

A sea lice infestation forced Cermaq Canada to shut down its Fortune Channel salmon farm near Tofino over the summer. “Closing the site was the right thing to do as the fish were never going to recover well and would remain a target for sea lice,” Cermaq Canada spokesperson Amy Johnson told the Westerly News via email. She suggested unusually warm and dry weather in Clayoquot Sound caused “poor environmental conditions for our fish, most notably water quality.”

Related: Drug resistant sea lice 'out of control' on B.C. coast: Report (10/30/18)

[British Columbia] Growing pains as companies try to move fish farms from ocean to land (10/26/18)

Land-based tanks are dimly lit to simulate winter light levels in order to trick the fish into growing faster, while delaying sexual maturity. It is one of many tricks needed to grow salmon outside the ocean, its natural environment. Consider the difficulties of raising cattle underwater while keeping their living space and air pristine and you get a sense of the challenges faced by land-based fish farms growing coho, tilapia and especially Atlantic salmon.

OTHER

Brexit leaves UK vulnerable to invasive alien species and diseases, Lords warn (10/24/18)

… As it stands, the UK benefits from an EU-wide regulation to repel these invaders, with intelligence gathering, disease alerts and research all being undertaken at an European scale. After Brexit, the UK will no longer automatically be part of this system, and in their report the House of Lords EU Energy and Environment Committee has urged the government to maintain as close a relationship with the EU on biosecurity as possible…
USDA Announces Update to National Road Map for Integrated Pest Management (IPM) (10/29/18)

The update culminates a yearlong review by the Federal Integrated Pest Management (IPM) Coordinating Committee (FIPMCC), a joint effort that is coordinated by the Office of Pest Management Policy in the Office of USDA’s Chief Economist with representatives of all federal agencies with responsibilities in IPM research, implementation, or education programs. These agencies include Environmental Protection Agency (EPA), Department of the Interior (DOI), and Department of Defense (DOD).

[California] Destructive snails are invading Bay Area waters. And no one knows what to do (10/30/18)

… King intends over the next four years of her dissertation research to unlock the secrets of female asexuality, which might also answer why the males, which cannot reproduce without a mate, even exist. She also hopes to figure out how the snails suspend their metabolism and survive in the stomachs of other animals…

[California] The Delta’s Most Wanted (10/22/18)

Invasive species are not only a nuisance to managers and landowners, they also cause serious problems for native plants and animals. These tenacious trespassers can severely alter habitats, carry dangerous diseases, and compete with or prey upon native organisms. Invasion may come by land, air, or sea, but aquatic invaders can be particularly destructive. In fact, invasive species are one of the top two threats to freshwater fish, along with habitat degradation (Jelks et al. 2008). As the most modified estuary in the world, the San Francisco Bay-Delta has been highly susceptible to invasion over the past several centuries. Some of these species were purposefully introduced (such as striped bass), and others have snuck in, often by using large ships like floating Trojan horses (such as mitten crabs).

WEEDS

[Wisconsin] An aquatic invasive plant found on the Upper Mississippi River (10/17/18)

An aquatic invasive plant species was found on the Upper Mississippi River in Pool 8. According to a release from the National Wildlife Refuge System, water hyacinth is a highly invasive aquatic plant species that spreads quickly. Agency and non-profit efforts are taking place working to remove these plants, some of which were found almost three miles downstream near River Mile 696.
JOBS/GRANTS

JOBS

[California] Senior Environmental Scientist (Supervisory) ($8,528 - $10,602) – Boating And Waterways District / Aquatic Invasive Plant Control Program Sector  

Final Filing Date: 11/8/2018

The position serves as the Assistant Chief, to carry out supervisorial duties for the Division's Aquatic Invasive Plant Control Program (AIPCP) environmental planning, environmental compliance, community outreach, interagency partnerships, and scientific collection, monitoring, analysis, and reporting programs and functions. The incumbent has the authority and responsibility to plan, organize, direct, implement, evaluate, and control the overall resource management, planning, and environmental compliance actions within the AIPCP. The Assistant Chief may represent the Department and the Division during meetings with outside agencies, local, state, federal, regional representatives, special districts, contractors, and the public. The position provides scientific advice, guidance, leadership, timely and highly developed scientific work products to support projects and core programs and functions within the Division. A high degree of political acumen is expected from the incumbent.

Would you like to lead a team charged with collaborating and cooperating to control invasive aquatic plants in the Sacramento-San Joaquin Delta? If you are, look no further than the Division of Boating and Waterways (DBW). As part of the California Natural Resources Agency and the Department of Parks and Recreation, DBW is a self-funded division dedicated to bring together a body of knowledge as the state's expert in recreational boating-related matters, including public access, safety and education, marine law enforcement, and consumer and environmental protection. DBW's Aquatic Invasive Plant Control Program strives to ensure that invasive aquatic plants in the Delta are managed to reduce the threat to economy, public health and economy. We offer a progressive and family friendly, cooperative work environment that values innovative thinking, collaborative approaches, enthusiasm for learning and continued job growth.

Position Details
Job Code #: JC-130085
Position #: 549-708-0764-001
Working Title: ASSISTANT CHIEF
Classification: SENIOR ENVIRONMENTAL SCIENTIST (SUPERVISORY)
$8,528.00 - $10,602.00

# of Positions: 1
Work Location: Sacramento County
Job Type: Permanent, Full Time
The Minnesota Aquatic Invasive Species Research Center (MAISRC) is now hiring a Research Fellow that will develop creative and promising solutions for population-level control of zebra mussels. This research will build on ongoing research in the areas of chemical, biological and/or genetic control to move towards real-world application. More information is available online or contact Dr. Nick Phelps (phelp083@umn.edu) for more information.

Invasive Plant Control Strike Team Openings Openings Available!
Positions are available 2018 (Internships/Seasonal/Permanent)
Compensation is negotiable depending on experience.
($12.00-16.50 per hour Field Technicians or $35,000-$50,000 annually for Crew Leaders)
Applicants will have the opportunity to work in various natural areas throughout the eastern United States with an emphasis on invasive plant management. Invasive Plant Control, Inc. will provide you with the opportunity to conduct intensive habitat rehabilitation of many different native plant communities with the main emphasis in invasive plant management. IPC is a privately-owned company considered one of the leaders in the invasive plant control market in the US. IPC emphasizes selective control in natural area settings.

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

GRANTS

Aquatic Invasive Species Grants – Call for Applications
The Montana Department of Natural Resources and Conservation (DNRC) Reclamation and Development Grants (RDG) Program offers state-funded grants for the prevention and control of aquatic invasive species (AIS). Preference will be given to species on the Montana Noxious Weed List and to zebra/quagga mussels. The goal of the grants is to protect the natural resources of Montana from severe and unacceptable damage from aquatic invasive species.
Eligible Activities: Activities include but are not limited to aquatic invasive species: (1) outreach and education; (2) prevention; (3) surveying and monitoring; (4) control; (5) treatment demonstration, research or design; or (6) other related actions.
Who is Eligible: AIS grants are available to state, city, county, tribal governments, or other local government subdivisions within the state.
Montana Fish, Wildlife & Parks is accepting applications for Wildlife Habitat Improvement Program grants. The purpose of WHIP is to accomplish large-scale restoration of private and publicly owned, high priority wildlife habitats through noxious weed management. The program can annually allocate up to $2 million of federal Wildlife Restoration Act (Pittman-Robertson) funds to support restoration work. Grant expenditures are limited to herbicide, mechanical, biocontrol, and re-seeding treatments, specifically to restore wildlife habitat functions. The program can also pay for range infrastructure to improve livestock grazing management for restoring native wildlife habitats and reducing susceptibility to noxious weed invasion.

Grant awards are based on eligibility and competitive ranking. To qualify for funding, projects must:

- enhance ecologically important wildlife habitat through control or management of noxious weeds that directly threaten habitat functions
- use a landscape scale approach
- have a reasonable probability of treatment effectiveness
- include a minimum 25 percent non-federal cash match

Ranking criteria also includes number of funding partners and amount of contributions, number of landowners involved, and accessibility of participating lands for public hunting. Awarded grants can be structured to provide funding for up to five years.

Grant applications must be received no later than Dec. 15 to be considered for funding in 2019. For additional information and application materials, please visit the WHIP page on FWP’s website: http://fwp.mt.gov/fishAndWildlife/habitat/wildlife/programs/whip/

If you have questions about applying for a WHIP grant or have any problems with the application forms, contact WHIP Coordinator Kim Antonick, kim.antonick@mt.gov or 406-444-7291.
NEW: An AIS legislative table is now up on the web on the www.westernais.org website... go to https://www.westernais.org/regulations and scroll all the way to the bottom

State

[New Jersey] Bill package to combat ticks, invasive species clears Assembly panel (10/30/18)

New Jersey is especially conducive to disease-carrying ticks because of the state’s climate, woodlands and large agricultural sector. State Assembly members Eric Houghtaling and Joann Downey (both D-Monmouth) have taken action to reduce the risk of tick-borne diseases and invasive species as two of their bills to combat these threats cleared the Assembly Agriculture and Natural Resources Committee on Oct. 22.

Executive

Exit Through The Interior Department? (10/29/18)

Interior Secretary Ryan Zinke is among a slate of Trump administration officials who are expected to exit their jobs in the weeks following Election Day, POLITICO's Nancy Cook reports, after interviews with a half-dozen current and former Trump officials and Republicans close to the White House. The Interior secretary joins a list that also includes Attorney General Jeff Sessions, Defense Secretary James Mattis and Commerce Secretary Wilbur Ross as expected to depart the administration.

"Zinke is expected to move agencies, or leave the administration altogether," Nancy reports, "thanks to his grander political ambitions or the numerous ethical investigations that have dogged his tenure at Interior." President Donald Trump's allies added that the president will choose replacements that could benefit him politically.

"The president is looking to get better performers — all of these decisions are being made in the context of the re-election campaign," said one Republican close to the White House. "Trump wants the strongest possible A-team going into 2020." As Pro's Anthony Adragna previously reported, if the Democrats win the House in November, Zinke would be looking at a spate of oversight investigations at the hands of Democrats.
Congressional

President Signs into Law America's Water Infrastructure Act of 2018 (10/23/18)

"The authorization of an estimated $3.8 billion in new Army Civil Works projects, the Fiscal Year 2019 appropriations of $7 billion and the emergency supplemental funds of $17.4 billion, will give the U.S. Army Corps of Engineers (USACE) key tools to support the development of water infrastructure in this Nation, furthers the objectives outlined in the President's Infrastructure Initiative, and allows for us to continue to move dirt," said R.D. James, Assistant Secretary of the Army for Civil Works. "Congress has taken significant positive steps with this bill, and I look forward to working with them to continue advancing the President's goals of reforming project delivery and unleashing economic growth." [Full Text of S. 3021 here]

[Editor’s Note: For a summary of significant AIS provisions in the bill see the “Congressional” section of the 9/26/18 AIS News https://www.westernais.org/news]

TRAININGS, WEBINARS, CONFERENCES AND MEETINGS

Recently Archived

Events: Webinars, Trainings, Conferences and Meetings

HACCP Trainings

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

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

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

Watercraft Inspection and Decontamination Trainings

Fall 2018 / Spring 2019 Lake Mead & Lake Powell
The Pacific States Marine Fisheries Commission and its 100th Meridian Initiative partners are announcing and sponsoring several types of WIT Trainings.

ONLINE REGISTRATION HAS BEGUN for the following:

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

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

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

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

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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 remaining workshops are below:

- **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.
Washington Department of Fish and Wildlife invites the public to attend open house events across state. The open houses, all scheduled for 6:30-8:30 p.m., will take place at the following dates and locations:

- Nov. 5 – CenterPlace Regional Event Center, 2426 N. Discovery Place, Spokane Valley
- Nov. 6 – Grant County Public Works, 124 Enterprise St. SE, Ephrata
- Nov. 7 – Selah Civic Center, 216 1st St., Selah
- Nov. 13 – Montesano City Hall, 112 North Main Street, Montesano
- Nov. 14 – WDFW Ridgefield Office, 5525 South 11th Street, Ridgefield
- Dec. 12 – Issaquah Salmon Hatchery Watershed Science Center, 125 W Sunset Way, Issaquah

21st Ballast Water Management Conference, November 7th - 8th 2018, Rotterdam - The Netherlands

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

Save the Date! Oregon Invasive Species Council’s next meeting will be held November 13-14 in the Portland area. More details to come.

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

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

Registration now open: 2018 Governor's Summit on Invasive Species Please join the Montana Invasive Species Council (MISC) November 15-16, 2018, for an in-depth dialogue and examination of Montana's invasive species regulatory framework
In-person Invasive Species Workshops
Building upon the basics of the free Invasive Species e-Learning and Invasive Species Webinar for the Real Estate and Land Use Professionals, invasive species in-person workshops are being offered - with the added benefit of regional specialization.
Workshop Date: Williams Lake - Nov 16, 9:00 am - 1:00 pm Click here to register

DECEMBER

Oregon Interagency Noxious Weed Symposium December 4-6 at OSU’s LaSells Stewart Center. Register Here

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

Washington Invasive Species Council: December 13, 2018, Olympia, Natural Resources Building Room 172.

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

2019

JANUARY

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

FEBRUARY

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

*1st Call for Papers* 2019 MRNRC Missouri River Conference “Theme TBD” March 5-7, 2019
Ramkota Conference Center, Pierre, SD

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

**October**

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

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

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