



AQUATIC INVASIVE SPECIES NEWS

4/11/14

DREISSENID MUSSELS

[Sand Hollow, Utah decontamination change \(3/21/14\)](#)

HURRICANE — Effective immediately, boats leaving Sand Hollow State Park do not need to be decontaminated for invasive species.....

[Wyoming's Aquatic Invasive Species Program for Boaters Enters 5th Year \(3/31/14\)](#)

CHEYENNE - Wyoming's Aquatic Invasive species (AIS) program is now entering its fifth year. It was enacted in 2010 following legislation designed to establish a program that would prevent the introduction of invasive species, specifically zebra and quagga mussels, to Wyoming waters.

Another Wyoming story (4/10/14) with video can be found [here](#)

Idaho Boat Inspection Station Maps

The Idaho State Department of Agriculture started an aquatic invasive species boat check station in 2009. This program is designed to inspect watercraft and catch aquatic invasive species as boats enter the state. These series of interactive maps highlight some of the data collected from 2009-2013. Go [here](#) and see "Maps."

[Officials targeted over mussel risk, Canada \(4/2/14\)](#)

The Okanagan Basin Water Board decided Tuesday to consider ways of allowing residents to express concerns about the risk of zebra and quagga mussels to federal and provincial officials. “Our MLAs need countless correspondence from constituents,” said director Toby Pike at a meeting in Coldstream.

[Don't move a mussel: Small freshwater biofoulers carry a big price tag \(4/2/14\)](#)

Anyone that has spent time at a seaside pier has witnessed the destruction barnacles wreak on boat hulls. But biofouling animals are not limited to marine environments. A new paper published in the journal *Frontiers in Ecology and the Environment* estimates that the global management of freshwater mussels, clams, and other clinging animals costs \$277 million U.S. dollars annually.

See abstract [here](#)

[Tahoe Watercraft Inspection Program Balances Service and Reduced Funding \(3/28/14\)](#)

Lake Tahoe, CA/NV— The Tahoe Regional Planning Agency (TRPA) Governing Board yesterday approved a fee update for the watercraft inspection program to help sustain boater services this summer, TRPA said today.

[MN DNR report: Aquatic invasive species violation rate drops; still 1 in 5 boaters breaking the law \(3/28/14\)](#)

With another boating season just around the corner, Minnesota boaters and anglers need to continue to take steps to prevent the spread of aquatic invasive species (AIS). While the rate of AIS violations dropped in 2013, one in five boaters is still breaking the law, according to a newly published annual report from the Department of Natural Resources.....

[Wayne State receives grant to advance ecological restoration efforts in the Great Lakes \(3/21/14\)](#)

With the help of a grant from the United States Geological Survey (USGS), scientists from Wayne State University are heading up research to help identify a chemical found in algae that may inhibit spawning in the invasive zebra and quagga mussels. The research, led by Donna Kashian, Ph.D., assistant professor of biological sciences in the College of Liberal Arts and Sciences, and Jeffrey Ram, professor of physiology in the School of Medicine, will work to identify these chemical cues released by algae and determine how they can be used to develop an ecological-scale control strategy to disrupt reproduction.

[IA Boater Reminder: Pull the Drain Plugs \(03/25/14\)](#)

Judging by the inquiries at late winter outdoor shows, anglers and boaters are getting ready for spring. One of the most-asked questions at the DNR booth was about a **new regulation** requiring drain plugs to be pulled as a boat leaves a ramp.

MARINE

[The tsunami that struck northeastern Japan is now three years past, but it hasn't stopped making waves \(4/4/14\)](#)

Debris travelling all the way from Japan has brought with it a number of Japanese marine species to the west coast, some of which have the potential to become invasive and devastate the coastal ecosystem.....

BALLAST WATER: The Summary of IMO Marine Environment Protection Committee 66th session can be found [here](#). Links to several ballast water related stories can be found below:

1. [Serious Ballast Water Management Convention problems still need to be resolved by IMO \(4/9/14\)](#)
2. [MEPC Still Divided on Ballast Water Issues \(4/7/14\)](#)
3. [V.Group project director highlights failings in ballast water tech \(4/4/14\)](#)
4. [Concerns as IMO pushes ballast water convention ratification \(4/3/14\)](#)
5. Concerns with IMO Ballast Water Convention Can Be Addressed by IMO MEPC Resolution, Suggests ICS (3/27/14)
6. [The Evolving Ballast Water Conundrum \(3/21/14\)](#)

WEEDS

[New DNA Tool Helps Scientists Identify Invasive Species of Aquatic Plants \(4/7/14\)](#)

A new DNA protocol developed by the U.S. Geological Survey helps biologists distinguish between native and invasive species of aquatic vegetation that have almost identical appearances. Until now, measuring the dispersal of these various invasive plants has been hampered by confusion about where and when the plants arrived.....

[Forecasting the Vulnerability of Lakes to Aquatic Plant Invasions \(2014\)](#)

Prevention is an integral component of many management strategies for aquatic invasive species, yet this represents a formidable task when the landscapes to be managed include multiple invasive species, thousands of waterbodies, and limited resources to implement action. Species distributional modeling can facilitate prevention efforts by identifying

locations that are most vulnerable to future invasion based on the likelihood of introduction and environmental suitability for establishment.

Flowering Rush Symposium

Highlights of results from the flowering rush symposium (2/13/14) are described in the IPM Center newsletter that can be found [here](#)

FISH

[Yellowstone Lake trout cull could boost cutthroat, feed grizzlies \(3/12/14\)](#)

Grizzly and black bears that once feasted on cutthroat trout spawning in Yellowstone Lake tributaries will readily return to the food source if the species bounces back, a study predicts. The study, "Contrasting Past and Current Number of Bears Visiting Yellowstone Cutthroat Trout Streams," supports a multimillion-dollar effort to reduce invasive mackinaw in Yellowstone Lake. The paper was published in the Journal of Wildlife Management in February.

[Northern Norway fish farmers to start DNA tracing of farmed fish \(4/4/14\)](#)

The three largest fish farming companies in Northern Norway, Cermaq, Nordlaks and Nova Sea will, in co-operation with AquaGen and CIGENE at Norwegian University for life sciences (NMBU) begin DNA tracing farmed fish.....

OTHER

[Origins of the invasive red swamp crayfish \(*Procambarus clarkii*\) in the Santa Monica Mountains, CA \(April 2014, in press\)](#)

Although native to the southeastern United States, the red swamp crayfish (*Procambarus clarkia*) has become established worldwide through accidental and intentional actions by humans. In the Santa Monica Mountains of southern California, the presence of the omnivorous crayfish is associated with the absence or reduced abundance of native amphibians.....

[USDA's Campaign Anti-Hero, 'Vin Vasive,' Lends a Creepy Hand in New, Compelling Videos \(4/10/14\)](#)

The USDA's Animal and Plant Health Inspection Service (USDA-APHIS) is calling on the public to help stop the spread of 15 invasive species dubbed "[Hungry Pests](#)." These

non-native insects, other animals, plants and diseases could devastate America's crops, trees and plants, and are often unknowingly spread through human actions. To help get the word out, USDA-APHIS is deploying its Hungry Pests' anti-hero, Vin Vasive, in a series of eerie videos that debut in April during Invasive Plant Pest and Disease Awareness Month.

Oregon Mystery Snail Discovery

On 4/3/14 the USGS reported a new Chinese mysterysnail (*Cipangopaludina chinensis*) finding at Mompano Reservoir, OR. More information on this specimen can be found: <http://nas.er.usgs.gov/queries/specimenviewer.aspx?SpecimenID=627168>; More information on this species can be found: <http://nas.er.usgs.gov/queries/SpResults.aspx?SpeciesID=1045>

[San Francisco Book Review -- Invasive Species](#)

In a Michael Crichton/Richard Preston type thriller, a group of scientists gather in the African rainforest in an attempt to stop a deadly swarm of wasps from wiping out the human race. The species travels the world, implanting its larva in hosts such as animals and people, killing at will. As the scientists work to thwart the wasps, political and personal agendas clash, and soon enough, our world begins to crumble. The question then becomes: will humanity be able to overcome the invasive species, or will a dominant party take over?

[USDA Announces \\$20 Million Effort to Reduce Damage Caused by Feral Swine \(4/2/14\)](#)

WASHINGTON, April 2, 2014 — Undersecretary for USDA's Marketing and Regulatory Programs Edward Avalos announced today that USDA is kicking off a national effort to reduce the devastating damage caused by feral, or free ranging, swine. The \$20 million program aims to help states deal with a rapidly expanding population of invasive wild swine that causes \$1.5 billion in annual damage and control costs.

[Didymo research grows interesting Kootenai River facts \(3/25/14\)](#)

A little less than a year ago, I wrote an article describing the start of a research project on the Kootenai River aimed at investigating a species of algae known as "didymo" (scientific name *Didymosphenia geminata*). Although didymo has probably always been present in the Kootenai River, it began forming noticeable dense growths or "mats" downstream of Libby Dam in the early 2000s.

LEGISLATION/FEDERAL ACTIONS/BUDGET

House Passes Bills To Clean Up Tsunami Debris (4/1/14)

The House of Representatives passed two bills this week that would help West Coast states remove marine debris from the tsunami that caused the Fukushima Daiichi nuclear plant meltdown. [H.R. 1491](#), would allow NOAA to refund states for the cost of tsunami cleanup using \$5 million donated by Japan. [H.R.1425](#), would allow NOAA to prioritize grant applications from communities facing severe marine debris events. Both bills were included as part of a larger package of legislation approved by the House. “The 2011 tsunami that struck Japan continues to threaten Oregon’s coastal areas by bringing debris and non-native species into delicate ecosystems.” said Representative Bonamici (D-OR) “Many residents in my district rely on our beaches and waterways to earn a living. Oregon’s coastal areas are already suffering from the effects of invasive marine organisms, which compete with, prey on, and crowd out native plants and animals. The introduction of additional aquatic invasive species into our coastal ecosystems could be devastating. This legislation ensures that in the future, coastal communities in Oregon and wherever there is a marine debris emergency will be able to access critical resources to fund timely clean-up and recovery operations in tsunami related environmental emergencies.” [Source: [ONW: Week of March 31, 2014 – Number 233](#)]

Rep. Bonamici Press Release can be found [here](#)

[USDA Provides Farm Bill Funding for Pest and Disease Management Programs \(4/3/14\)](#)

WASHINGTON, April 3, 2014 — U.S. Department of Agriculture (USDA) Secretary Tom Vilsack announced today the allocation of \$48.1 million, provided by the Agricultural Act of 2014 (the 2014 Farm Bill), to projects across the country that will help to prevent the introduction or spread of plant pests and diseases that threaten America's agriculture economy and the environment. The economic stakes for stopping invasive species are high, with scientists estimating the total economic cost of all invasive species to be approximately \$120 billion annually.

View a list of [selected projects and the FY 2014 funding plan](#)

[HI Bill seeking to reduce invasive species is deferred \(4/2/14\)](#)

A bill aimed at reducing the interisland spread of invasive species was deferred in a state House Committee on Energy and Environmental Protection Tuesday.

Governor Inslee Signs AIS Legislation

[ESSB 6040](#) passed the House (3/13, 97-1) and Senate (3./13, 48-0) and has been sent to the governor (he is expected to sign the bill). The bill’s funded provisions were not included in the final version. The bill was signed 4/2/14

[New Utah inspections bill allows wildlife officials to create inspection stations \(3/11/14\)](#)

The Utah House gave final approval Tuesday to a declaration of war against the quagga mussel, an invasive species that has been found at Lake Powell. It voted 65-5 to approve SB212, and sent it to Gov. Gary Herbert for his signature.....

[Note: Governor Gary R. Herbert signed [SB212](#) on 4/1/14]

MEETINGS

APRIL

1. [2014 Salish Sea Ecosystem Conference: April 30 - May 2, 2014, Washington State Convention & Trade Center, Seattle, Washington](#)

MAY

1. [ANSTF](#) – The next meeting of the Aquatic Nuisance Species (ANS) Task Force is scheduled for May 7-8, 2014 in Arlington, VA
2. The next meeting of Columbia River Basin Team of the 100th Meridian Initiative will be held May 13-14 in Spokane, Washington. Contact sphillips@psmfc.org for further information.
3. The next Invasive Species Advisory Committee (ISAC) will be held on **Tuesday, May 13, 2014 through Thursday, May 15, 2014**, in Arlington, Virginia.
4. Watercraft Inspection Training – Idaho: The next training is scheduled for Dover, ID on May 21st. Contact Tom Woolf, Aquatic Program Manager, Idaho State Department of Agriculture, @ Thomas.Woolf@agri.idaho.gov), 208-608-3404.
5. Joint Aquatic Sciences Meeting: The inaugural Joint Aquatic Sciences Meeting (JASM) to be held in Portland, Oregon, **18-23 May 2014** at the Oregon Convention Center. It includes several AIS sessions. See <http://sgmeet.com/jasm2014/>

JULY

1. The Pacific NorthWest Economic Region (PNWER) Annual Summit will be held July 20 – 24, 2014 at the Whistler Fairmont Chateau in Whistler, B.C. PNWER's invasive species working group will meet July 23rd, 9:45am - 5:00pm. For further information go [here](#). For additional information on the invasive species session contact Megan Levy @ megan.levy@pnwer.org

SEPTEMBER

1. [Meeting the Challenge: Preventing, Detecting, and Controlling Invasive Plants September 16-17, 2014, University](#) of Washington Botanic Gardens, Seattle, WA

OCTOBER

The Alaska Chapter of the American Fisheries Society will be meeting in Juneau, Oct. 20-24. An invasive species session is being planned.

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