



AQUATIC INVASIVE SPECIES NEWS

5/9/14

DREISSENIID MUSSELS

[Editorial: Tahoe Inspections must be saved to protect lakes \(4/30/14\)](#)

.....That's why we simply cannot afford to let the inspection program, which will run low on funds in the next few years, fade away. The inspections aren't perfect, but they're our best hope of stemming the tide of invasive species.....

[Lake Tahoe Boat Inspections Start \(4/30/14\)](#)

Lake Tahoe, CA-NV – Roadside stations for inspections and decontaminations of motorized boats and watercraft are officially opening for the 2014 boating season.....

[Province plots attack on zebra mussels \(5/1/14\)](#)

Four Lake Winnipeg harbours will be off limits to boaters and commercial fishers this spring under a government plan to wipe out an infestation of zebra mussels in one fell swoop. Gimli, Winnipeg Beach, Balsam Bay and Arnes will be the testing grounds until mid-June for the province to inject...

[Invasive mussels pushing Saskatchewan- U.S. border \(4/25/14\)](#)

Saskatchewan rivers and lakes are under threat from another invasive mussel species as boat owners fail to properly clean their rides. The Quagga mussel has already been found in the Colorado River and it's making its way north. The tiny freshwater mussel breed is related to the Zebra mussel that has spread throughout the Great Lakes and into Winnipeg Lake in Manitoba.....

[Okanagan: Stop the invaders \(4/30/14\)](#)

A board that includes municipalities from the Okanagan is hoping that Cranbrook council will get behind their push to prevent invasive mussels from entering B.C. At Monday's meeting, council authorized Mayor Wayne Stetski to send a letter reaffirming Cranbrook

council's support for the 2013 Union of B.C. Municipalities resolution on invasive mussels.....

[Alberta: Invasive mussels could carry high costs \(5/2/14\)](#)

Aquatic mussels that hitch a ride on boats could carry a cost of at least \$75 million annually if they make their way into lakes, rivers and irrigation canals, according to Alberta Environment. The invasive species, zebra and quagga mussels, are spreading throughout the western United States and Eastern Canada — making it as far west as Lake Winnipeg in Manitoba. There's no record of the non-native mussels in Alberta waterways, but several infested boats were intercepted last year.....

[Lillooet, BC boaters urged to be vigilant \(5/8/14\)](#)

.....Matthias Herborg, aquatic invasive species co-ordinator with Ministry of Environment, warned that the mussels pose a serious threat to the biodiversity and fisheries of any water system, since they reduce the amount of food available for native fish (including salmon) and other organisms. Species that are dependent on plankton — such as sockeye salmon and kokanee — or species that feed on these plankton feeders (such as large-bodied strains of rainbow trout and bull trout) could be severely depleted if these mussels become established in B.C.'s lakes.....

[Lake George, NY: Dozens receive boat-washing training before inspections begin \(5/1/14\)](#)

The Fund for Lake George, a privately funded nonprofit organization, provided a \$10,000 grant to Lake George Park Commission for training. “The key is really prevention,” said Jessica Rubin, director of development and marketing for the Fund. “We’re so thrilled, on a day like this, to see it all coming together.” The Fund brought in nationally renowned trainers, **D and Michael Davis**, whose experience includes training inspectors across the western U.S. and Canada.....

[Georgian Bay fishery changes with invasive species \(5/1/14\)](#)

The state of the fishery has changed a lot in the last 15 years with the appearance of some high impact invaders such as Dreissenid mussels (zebra mussels), spiny water flea, and round gobies. These species have a profound impact on such factors such as water clarity, nutrient availability and competition with native species and they are causing a change in how nutrients and energy move through the ecosystem.....

[MN: ‘Think Zero’ about invasive species at fishing opener \(4/28/14\)](#)

With more than 500,000 people expected take part in the walleye and northern pike season opener on Saturday, May 10, the Minnesota Department of Natural Resources

urges every angler to make a commitment to transport zero aquatic invasive species (AIS) this year.

[The next step in stopping invasive species: New boat designs? \(5/3/14\)](#)

Industry experts will discuss how manufacturing may play a role in stopping the spread of aquatic pests.....

[Wyoming Aquatic invasive species inspection training offered May 20](#)

The Wyoming Game and Fish Department is offering watercraft inspection training May 20 in Gillette, WY. To register or for more information, call Gregor Dwooney at 307- 683-7715 or email him at gregor.downey@wyo.gov or call Beth Bear at 307-745-5180 Ext. 256 or email her at beth.bear@wyo.gov

MARINE

[Study Assesses Impacts to Columbia River Estuary's Basic Food Supply, Zooplankton, Phytoplankton \(5/2/14\)](#)

.... **Invasive copepods** (zooplankton) are present in the Columbia River estuary at lower levels than that found in the San Francisco estuary. Either that is because the invasion is more recent than in San Francisco and may still be increasing in numbers, or some aspects of the Columbia River estuary, such as its high flows and short residence time, make it a more difficult environment to colonize, according to the article.....

[Sustainable barnacle-repelling paint could help the shipping industry and the environment \(4/30/14\)](#)

Barnacles might seem like a given part of a seasoned ship's hull, but they're literally quite a drag and cause a ship to burn more fuel. To prevent these and other hangers-on from slowing ships down, scientists are developing a sustainable paint ingredient from plants that can repel clingy sea critters without killing them....

[Possible Japanese tsunami debris investigated in Washington state \(4/25/14\)](#)

A seaweed- and barnacle-encrusted boat has washed ashore near Cape Disappointment State Park on Washington's Long Beach peninsula, triggering an investigation by park rangers as to whether its a possible piece of Japanese tsunami debris. [A beachcomber found the 20-foot skiff Wednesday morning](#), Oregon Public Broadcasting is reporting.....

Another story [here](#)

Is closed- containment aquaculture for Atlantic salmon viable?

Below are two articles with two different takes on the viability of a closed containment aquaculture facility in BC.

[Atlantic salmon can be farmed on land, B.C. project shows \(4/30/14\)](#)

[Land-based aquaculture isn't commercially viable, says Cooke \(5/1/14\)](#)

More information on the KUTERRA Land-Based Closed Containment Salmon Farm can be found [here](#)

WEEDS

[Call for Citizen Science Invasive Species Volunteers: Join the effort to help locate and eradicate invasive plants from WA State!](#)

Training Locations and Dates for 2014:

Saturday, June 21st; 9:30am - 12:00pm at the Cowlitz County Administration Building in Kelso, WA Address: 207 Fourth Avenue N., Kelso, WA, 92626

Saturday, June 28th, 9:30am - 12:00pm at the Naches Ranger Station in Naches, WA. Address: 10237 U.S. Highway 12, Naches, WA 98937
Capacity is limited

For further information go to http://www.pnw-ipc.org/docs/May_June_Training_EDRR_Flyer_2014_Final.pdf

FISH

[Scientists: Invasive Yellowstone trout in decline \(5/6/14\)](#)

BILLINGS, Mont. — A voracious species of trout that decimated a native trout population in Yellowstone National Park shows signs of decline following a costly and protracted effort to kill off the invading fish, government scientists and a conservation group said Tuesday. Non-native lake trout were first discovered in Yellowstone Lake in 1994, after being illegally introduced to the 132-square-mile body of water that attracts visitors from around the world.....

[Plan to stop invasive species in Lake Michigan is paused \(5/6/14\)](#)

The U.S. Army Corps of Engineers will not be able to immediately address the movement of invasive species between the Great Lakes and the Mississippi River basins, according to a report released Monday. Among the list of invasive species examined was Asian carp, a fish which local officials have attempted to deter with electrical barriers. The species has threatened Lake Michigan for decades as institutions like the Illinois Department of Natural Resources have tried various methods to prevent their entrance.....

Also see [Summary of Public Comments on GLMRIS Released](#) and to see comments go [here](#)

[USGS Scientists Provide Study Plan Assistance to Malheur National Wildlife Refuge Carp Coalition](#)

USGS will continue to provide technical assistance as re-search and carp control efforts ramp up at the refuge, including pilot studies to determine if commercial harvest of carp is feasible.....

[Chinese Market Could Help Rid Rivers of Invasive Asian Carp \(4/30/14\)](#)

Water experts worried about Asian carp may have new hope. They're turning their eyes to China, where a carp-hungry populace may be the key for stemming the tide of the invasive fish.....

[And some good news: Worst of Asian carp fish kill over; experts now estimate half million carp dead \(4/25/14\)](#)

FRANKFORT, Ky. – The worst of a fish kill that has claimed upward of a half million Asian carp in the Cumberland River below Lake Barkley dam is believed to be over. On Friday, April 25, fisheries biologists with the Kentucky Department of Fish and Wildlife Resources returned to the area as the focus shifted to learning what might have caused the considerable die-off of invasive silver carp.....

OTHER

[The Origin of Invasive Microorganisms Matters for Science, Policy, and Management: The Case of *Didymosphenia geminata* \(5/8/14\)](#)

The value of distinguishing native from nonnative invasive species has recently been questioned. However, this dichotomy is important for understanding whether a species' successful dominance is caused by introductions, changing environmental conditions that facilitate an existing population, or both processes. We highlight the importance of

knowing the origin of hard-to-detect invasive microorganisms for scientific research, management, and policy using a case study of recent algal blooms of the stalk-producing diatom *dymosphenia geminata*. Nuisance blooms have been reported in rivers worldwide and have been hastily attributed to introductions. However, evidence indicates that blooms are probably not caused by introductions but, rather, by environmental conditions that promote excessive stalk production by this historically rare species. Effective responses to invasive microorganisms depend on knowing whether their proliferation is caused by being nonnative or is the result of changing environmental conditions that promote invasive characteristics of native species.....

A story on this research can be found [here](#)

[1% for Protecting Oregon from Invasion \(4/28/14\)](#)

“What if we decided to spend 1% of existing fees related to trade and travel on invasive species?” That is the question Mark Sytsma, OISC Chair, and I posed to the Governor’s Natural Resources Cabinet last week.....

[Inaugural California Invasive Species Action Week](#)

The California Department of Fish and Wildlife (CDFW) is holding a new “Race to Protect Your Favorite Place” Youth Poster Contest. The contest is being offered by CDFW’s Invasive Species Program as part of California Invasive Species Action Week, Aug. 2-10.....

May 20 [Webinar: Meeting the Injurious Wildlife Challenge: Legislative, Regulatory, and Voluntary Approaches](#)

Asian carp, Burmese pythons, zebra mussels, and other injurious animals cause billions of dollars of harm each year to the economy, environment, and human health. The US Fish and Wildlife Service (FWS) prohibits importation and interstate transport of “injurious species” listed under the Lacey Act, but few species are listed in part due to the time-consuming and costly listing process (Co-sponsored by the National Invasive Species Council). When: May 20, 2014; 12:00 pm - 2:00 pm EDT; [Click here to RSVP](#).: The event is **free** and open to the public. Click here to RSVP. Contact subramanian@eli.org with questions.

[More coqui frogs captured on Oahu and Kauai \(5/2/14\)](#)

.....a Kauai **Invasive Species** Committee field crew captured three coqui frogs at a nursery, but were unable to capture at least one ...

[Northwest Power and Conservation Council: Public Review of the Draft Columbia River Basin Fish and Wildlife Program.](#)

The Council invites your review and comment on draft amendments to the Columbia River Basin Fish and Wildlife Program. See “Part Three: Basinwide Vision, Scientific Foundation, Goals, Objectives, and Strategies, IV.A.3. - **Non-native and invasive species**” **Comments due by July 9, 2014.**

JOBS

Idaho: Lake Host Wanted.

The Cocolalla Lake Association and Idaho Fish and Game are seeking a volunteer lake host to assist with watercraft inspection, invasive species education and area oversight at the public boat launch on Cocolalla Lake. Lake host must have their own camp trailer but will be provided a trailer pad with water and sewer hook ups. For more information contact Dave Ross: david.ross@idfg.idaho.gov

LEGISLATION/FEDERAL ACTIONS/BUDGET

Water Resources Reform and Development Act Conference Report Finalized (5/8/14)

On 5/8/14 House and Senate negotiators announced they have reached an agreement on a conference report for a final Water Resources Reform and Development Act. The two bills in conference were [H.R.3080](#) and [S.601](#). [NOTE on S. 601: See SEC. 5007 “Aquatic Invasive Species Prevention and Management; Columbia River Basin” AND Sec. 5018. “Multiagency effort to slow the spread of Asian carp in the Upper Mississippi River and Ohio River basins and tributaries.”].

Details of the package are being held close to the vest until a final conference report is filed [expected early in the week of May 12]. The final bill is expected to authorize a broader slate of projects than those originally approved in the House measure. A House Transportation and Infrastructure Committee subpanel held a hearing at the end of April to review projects approved by the Army Corps of Engineers in recent months -- a step the committee has established as a prerequisite for authorization. Other issues that were among the last to be worked out by negotiators were differing provisions related to oceans and language aimed at speeding up the National Environmental Policy Act review process for Army Corps projects. [Reprinted from “*E&E Daily*” with permission from Environment & Energy Publishing, LLC. www.eenews.net. 202/628-6500]

[House to consider Hall Lake Texoma Lacey Act exemption bill \(4/28/14\)](#)

The bill [[H.R. 4032](#)] would expand an exemption Texas received to a 113-year-old federal law called the Lacey Act, which prohibits the transfer of invasive species across state lines. The law hamstrung Texas' ability to pump water from Lake Texoma — a key water source for North Texas, with a pump station that straddles the Texas-Oklahoma border.....

Update: HR 4032 passed the House on 4/28

[MN Legislature: Central Minnesota projects could get state money \(4/28/14\)](#)

The bill includes more than \$5.2 million for Central Minnesota projects to combat aquatic invasive species and protect forests and stream buffers.....

[Federal recognition sought for Hawaii's biosecurity needs \(4/28/14\)](#)

The Abercrombie Administration has released a 2014 Hawaii Biosecurity Resolutions Package to federal agency heads at the U.S. Departments of Agriculture, Defense, Interior and Transportation as well as the Council on Environmental Quality at the White House that consists of four resolutions adopted by the cabinet-level Hawaii Invasive Species Council (HISC) in recent years regarding federal invasive species policies. Invasive species issues are a top priority for Gov. Neil Abercrombie and his administration.....

MEETINGS

MAY

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.

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

Western Regional Panel: The annual meeting of The Western Regional Panel on Aquatic Nuisance Species will be held in Houston September 17-19, 2014. This will be a joint meeting of The WRP and the [Gulf and South Atlantic Panel](#). The Crowne Plaza Downtown is the meeting venue and host hotel. The [WRP website](#) will have more information on hotel reservations and more in the near future.

[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.

[The International Invasive Sea Squirt Conference V will be held at Woods Hole Oceanographic Institution Wed-Fri Oct 29-31, 2014.](#) Conference Registration Deadline October 1, 2014.

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