



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

***9/23/14***

### **DREISSENID MUSSELS**

#### [Minnesota lake first in nation to use new product to kill zebra mussels \(9/9/14\)](#)

A small Minnesota lake is on the forefront of the national effort to kill off the zebra mussels that threaten lakes and rivers around the country.....

**Related Stories:** [Zebra mussel chemical tested on Lake Minnetonka \(9/15/14\)](#) and [Molloy offers solution to zebra mussel woes \(9/15/14\)](#)

#### [Decontamination required for boats at South Fork, NV \(9/6/14\)](#)

.....NDOW is asking everyone to clean, drain and dry all boats, trailers, equipment and fishing gear before taking boating and fishing gear between any two waters, including removing the plug from the vessel to completely drain bilges and confined spaces. As a general rule in Nevada's hot dry summer, seven days of drying after cleaning is normally sufficient. However, as the weather gets colder, there is rain or it becomes humid the time it takes to completely dry gear can be two weeks or even longer.....

*[Editor's Note: No veligers or adults have been found @ [South Fork Reservoir](#) to date. The reservoir is not considered infested at this time by the [Nevada Department of Wildlife \(NDOW\)](#). UPDATE: According to NDOW, the latest (September) eDNA (PCR) and veliger (microscopy) samples all came back as **negative**]*

#### [Concern rises about Zebra Mussel-affected boats on the Brazos River \(9/3/14\)](#)

WACO - Zebra mussel inspections have gone up for Lake Waco, but there is a concern for extra boats on the Brazos River. Baylor University's McLane Stadium brings a lot of change for fans including being able to boat on gamedays. This new practice started with several boats on Baylor's first home game. With these new boats, comes a concern of zebra mussels.

[Manitoba Hydro Monitoring Mussels \(9/5/14\)](#)

The Province is trying once again to out-muscle, the mussels. Zebra mussels continue to inhabit Lake Winnipeg, despite the Province's attempts to eradicate the pests with potash treatments earlier this summer. Manitoba Hydro is now hiring a contractor to determine the best ways of dealing with an infestation. Large Hydro structures in the water that have hard surfaces, like generating stations, are particularly vulnerable.

[Chanute, KS commission covers mailings and mussels at meeting \(9/9/14\)](#)

.....During the meeting, the commissioners offered unanimous support to a number of proposals. These included acceptance of a \$424,000 bid from UCI for the Raw Water Intake Structure, a big concrete vault in the Neosho River to prevent zebra mussels from entering the city's water system. If zebra mussels get into the water system, they attach themselves to the insides of pipes, tanks and strainers, and multiply very rapidly. They clog pipes and shrink them down until they are unusable.....

## **BOAT INSPECTION NEWS**

[BC begins mussel inspections \(9/5/14\)](#)

The provincial government recently announced they have stepped up inspection enforcement of boats possibly containing either zebra or quagga mussels. Authorities implemented a pilot inspection station earlier this month where they examined 132 boats and found no evidence of the invasive species. They also stopped and inspected 11 watercraft in Victoria and found nothing there either. These competition sailboats had traveled from mussel-infested Lake Ontario and were inspected at the Victoria Yacht Club.

## **MARINE**

[2014 Assessment of the Efficacy, Availability, and Environmental Impacts of Ballast Water Treatment Technologies for Use in California Waters \(8/14\)](#)

..... The California State Lands Commission previously conducted assessments of ballast water treatment technologies in 2007, 2009, 2010 and 2013 (see Dobroski et al. 2007, 2009; and Commission 2010, 2013). Commission (2013) found that no ballast water treatment technologies were available to meet the California performance standards. As a result, the California Legislature amended PRC section 71205.3 and delayed implementation of the performance standards for two years (Chapter 472, Statutes of 2013). This report serves as an update to Commission (2013) and reviews the availability of treatment technologies prior to the January 1, 2016 implementation of the California performance standards for existing vessels (ballast water capacity of 1500-

5000 metric tons) and all new build vessels. However, the ballast water treatment efficacy findings stated herein may be considered broadly applicable to all vessel sizes.....

For further information also see [California Marine Invasive Species Program](#)

#### [Shipowners Beware: Ballast Water Treatment in Freshwater \(9/19/14\)](#)

Ballast water treatment system manufacturer Evoqua Water Technologies recently announced that its electro-chlorination system has gained U.S. Coast Guard alternative management system (AMS) approval for use in fresh, brackish and sea water. It's one of a select few systems out of nearly 50 IMO type approved systems globally to have its fresh water performance tested to a recognised standard....

#### [New Ballast Water Treatment System Testing Guidelines? \(9/14/14\)](#)

As the ratification of the Ballast Water Management Convention by enough countries to bring it into force seems imminent, one topic on the agenda that is important for the maritime industry is whether MEPC will decide to change Guidelines G8 for type approval or not....

#### [Pinpoint key ports to stop aquatic invaders \(9/12/15\)](#)

TIME to flex our muscles against mussels. Since they first arrived in North America in 1988, zebra mussels have made themselves at home. The small molluscs, which attach themselves to boats and clog underwater pipes, cost the US billions of dollars in pipe cleaning and repair, lost hydroelectric power, damaged boat hulls and other headaches. In a bid to stem the tide of invasive aquatic species like these, a team at the University of Notre Dame in Indiana have designed software to identify hubs in the global shipping network that have outsized roles in spreading interlopers.....

#### [Ballast Water Leadership \(9/2/14\)](#)

Admiral Paul Zukunft, the new U.S. Coast Guard Commandant, could fill the BWT leadership void. Global efforts to combat the spread of invasive species in ballast water are hampered by a leadership void so serious that in April the International Chamber of Shipping (ICS) discouraged further ratifications of the International Maritime Organization's (IMO) invasive species convention. Admiral Paul Zukunft, the new U.S. Coast Guard Commandant, could fill that void and get those efforts onto the right track.....

#### [Time pressure building around ballast water management \(9/9/14\)](#)

Time is running low for shipowners to act on ballast water management as the Ballast Water Management Convention (BWMC) could possibly be ratified within the next 12

months, yet installations of the system have dropped as owners continue to delay purchasing decisions.....

## **WEEDS**

### **Noxon and Cabinet Gorge Reservoirs, MT aquatic pesticide application**

Clean Lakes Inc. aquatic pesticide application plan for Eurasian watermilfoil control in Noxon and Cabinet Gorge Reservoirs is available at <http://www.cleanlake.com/2014noxonrapidsais/2014apap.html>. Applications were completed in August and visual evaluations will be conducted within the next 10 days weather permitting. [Thanks Celestine Duncan]

## **FISH**

### [Cutthroat survival: Biologists work to save threatened native species \(9/23/14\)](#)

.....“(West slope cutthroat trout) is the only native species to this part of the state, and they’re disappearing pretty fast,” said Jim Olsen, a state fisheries biologist for the Big Hole River. “We need to make sure they don’t disappear completely. The biggest threat is non-native fish.”.....

### [Fish problem addressed with poison in Lake Yankton \(9/11/14\)](#)

YANKTON, S.D. — Wildlife officials have used poison to kill all the fish in Lake Yankton in southeastern South Dakota to remove carp and other undesirable species.

### [New Asian Carp Processing Facility to Bring 100 New Jobs to Mississippi \(9/8/14\)](#)

Working with contract fishermen licensed by the Mississippi Department of Wildlife, Fisheries, and Parks, Moon River Foods will commercially harvest an invasive species of Asian carp from the Mississippi River and its tributaries. The carp will be processed at the Baird facility.....

### [Illegal fish transportation found in Thompson Falls, MT](#)

A few instances of the illegal transportation of live fish by anglers have been discovered outside of Thompson Falls. According to Kenneth Breidinger, a fisheries biologist for Region One, three cases of illegal live fish transportation were discovered recently in Thompson Falls....

## OTHER

### [WDFW takes steps to help prevent the spread of New Zealand mudsnails at Ringold Hatchery \(9/16/14\)](#)

OLYMPIA - State fisheries managers are working to limit the spread of invasive New Zealand mudsnails recently found at the Ringold Hatchery, north of Richland. The Washington Department of Fish and Wildlife (WDFW) confirmed the presence of mudsnails at the hatchery in late August. New Zealand mudsnails also were detected along the banks of the Columbia River, which flows past the hatchery, and in the spring that supplies water to Ringold.....

### [Turtles banned in Montana slowly making move to Texas \(9/15/14\)](#)

BILLINGS -- Montana is home to many different species of turtles, but one invasive species is not so welcome any more. A \$40 pet store purchase could turn into a \$1,000 pet.....

### [The great Canadian rock snot scare of 2014 \(9/7/14\)](#)

VANCOUVER - It was a story about rock snot. And if there's a person you want to talk to about the pervasive algae also known by the less-offensive, more scientific name of Didymo, it's Fisheries and Oceans Canada scientist Max Bothwell.....

### [The last places on Earth with no invasive species \(9/9/14\)](#)

Pockets of land and water that are free from 'alien' species are few and far between, finds the BBC's Rachel Nuwer. Yet could we reverse the tide of these pests?

## JOBS/RFPS

### [Calif: Quagga and Zebra Mussel Infestation Prevention Grant Program \(8/20/14\)](#)

The California State Parks, Division of Boating and Waterways has made available the application and guidelines for the Quagga and Zebra Mussel Infestation Prevention Fee Grant Program. You can view these documents at the following link:

<http://www.dbw.parks.ca.gov/Funding/QZGrant.aspx>

Application Due: **October 20, 2014**

## **NOAA Marine Debris Program and NOAA Restoration Center annual solicitation for marine debris removal proposals (9/16/14)**

To download the official Federal Funding Opportunity along with complete eligibility requirements, please visit Grants Online by clicking here:

<http://www.grants.gov/web/grants/view-opportunity.html?oppId=265368> Closing Date for Applications: **Nov 17, 2014**

## **TRAININGS/WEBINARS**

### **[ELI Webinar: Species Risk Assessment Tools: Science and Policy Applications](#)**

**WHEN: October 3, 12-2 PM EDT**

**WHERE: Via webinar**

This webinar will review new species risk assessment tools for plants and animals and provide examples of how federal and state agencies are using them to improve the efficiency and effectiveness of their policies and programs.

Panelists: Craig Martin, Chief, Branch of Aquatic Invasive Species, U.S. Fish and Wildlife Service; Kerrie Kyde, Invasive Plant Ecologist, Natural Heritage Program, Maryland Department of Natural Resources; Anthony Koop, Plant Epidemiology and Risk Analysis Laboratory, Center for Plant Health Science and Technology, USDA - APHIS – PPQ; Reuben Keller, Assistant Professor, Department of Environmental Science, Loyola University Chicago. Moderator: Stas Burgiel, Assistant Director for Prevention and Budgetary Coordination, US National Invasive Species Council

### **Hazard Analysis Critical Control Point (HACCP) Planning**

The US Fish & Wildlife Service will be teaching two courses in Hazard Analysis Critical Control Point (HACCP) planning. HACCP is a tool used to reduce our risk of unintentionally spreading invasive species during the course of our natural resources work. The courses will be **October 7 & 8th** at the Bozeman Fish Technology Center in Bozeman, MT and **December 9 & 10th** at the Wyoming Game and Fish Department headquarters in Cheyenne, WY. Please contact Joanne Grady at [joanne\\_grady@fws.gov](mailto:joanne_grady@fws.gov) if you are interested in attending.

## **LEGISLATION/FEDERAL ACTIONS/BUDGET**

### **Congress Passes Temporary Government Funding Measure, Adjourns**

The House (9/17) and Senate (9/18) passed a continuing resolution (CR) that will keep the federal government running through mid-December. At which point, Congress will return from the mid-term elections in a lame duck session to consider an omnibus spending bill to fund federal agencies through the rest of the fiscal 2015 funding year.

The CR funds federal programs at current year levels, with a modest across-the-board cut to pay for additional funding provided to address the Ebola crisis. The CR also provides NOAA with budget flexibility to ensure its weather satellite programs stay on their launch schedules. [Source: ONW: Week Of September 15, 2014 – Number 250]

#### [Governor Cuomo Signs Bill Aiding in Fight Against Aquatic Invasive Species \(9/2/14\)](#)

Governor Andrew M. Cuomo today signed legislation prohibiting the launch of watercraft in New York State without taking reasonable precautions to prevent the spread of aquatic invasive species. The bill (A9619-B, S7851-B) advances current efforts by the State and private organizations to halt the introduction and spread of invasive aquatic species into New York's waters.....

#### [Plant Pest and Disease Management and Disaster Prevention Programs - Farm Bill](#)

Plant Pest and Disease Management and Disaster Prevention Programs have strengthened the ability to protect U.S. agriculture and natural resources from foreign plant pest threats in areas such as pest survey, identification, inspection, mitigation, risk analysis, and public education and outreach.

- [Important differences between the 2008 and 2014 Farm Bills](#)

APHIS is accepting suggestions for FY 2015 projects from September 15, 2014, through **October 24, 2014.**

#### [Legislation to Mitigate Harmful Algal Blooms in Great Lakes \(9/17/14\)](#)

Congressman Bob Latta (R-OH) today introduced the [Protecting Our Great Lakes Act](#), legislation to help mitigate harmful algal blooms by prohibiting the discharge of dredged material in the open waters of the Great Lakes.

#### [Final National Pollutant Discharge Elimination System \(NPDES\) Small Vessel General Permit for Discharges Incidental to the Normal Operation of Vessels Less Than 79 Feet \(9/10/14\)](#)

Environmental Protection Agency (EPA) Regions 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10 are finalizing the NPDES Small Vessel General Permit (sVGP) to authorize discharges incidental to the normal operation of non-military and non-recreational vessels less than 79 feet in length. EPA is finalizing the sVGP, which has an effective date of December 19, 2014, to authorize discharges from vessels less than 79 feet in length, because the law imposing a moratorium against NPDES permitting of these discharges expires on December 18, 2014. That law generally provides that no NPDES permits shall be required for discharges (except discharges of ballast water) incidental to the normal operation of vessels less than 79 feet and all commercial fishing vessels.

EPA provided notice of the availability of the draft permit and accompanying fact sheet for public comment in the Federal Register on December 8, 2011.

For a more information about the sVGP, go to <http://water.epa.gov/polwaste/npdes/vessels/Small-Vessel-General-Permit.cfm>. Please send any questions to [VGP@EPA.gov](mailto:VGP@EPA.gov).

Related Story: [Gut check: La. senators co-sponsor exemption to Clean Boating Act \(8/29/14\)](#)

[The Lacey Act failed to keep Asian carp out: Can new bills before Congress do better? \(8/26/14\)](#)

When it comes to invasive species prevention, ballast water and Chicago-area canals might come to mind as prime targets for prevention efforts, but there is another important pathway for invasive species that does not grab as many headlines. In the jargon of Michigan State University Extension educators, biologists and policy-makers this is referred to as “organisms in trade”, or OIT. The federal regulation of organisms in trade dates back to the Lacey Act, which was passed in 1900. Through the years, the Lacey Act has been updated and specific taxa (species or groups of species) have been listed as “injurious” or removed from that list.....

## MEETINGS

### SEPTEMBER

[Oregon - Invasive Species Cook-off 2014 - Eradication by Mastication: A](#) benefit for the Institute for Applied Ecology, Sunday, **September 28, 2014**, 2 pm - 7 pm, Zenith Vineyard (Salem, OR)

### OCTOBER

The next meeting of the **Columbia River Basin Team** of the 100<sup>th</sup> Meridian Initiative will be held **October 1-2** in Vancouver, Washington. Contact [sphillips@psmfc.org](mailto:sphillips@psmfc.org) for further information.

**The Washington Lake Protection Association's** annual meeting begins on **September 30th** in Chelan, WA. This meeting is an excellent opportunity to learn about lake and invasive species management activities throughout the region. For more information go to <http://www.walpa.org/walpas-27th-annual-conference/>

**The Idaho Invasive Species Council** will meet will **October 8th** from 1:00 to 4:30 at the Idaho Department of Agriculture main office in Boise. Contact Thomas Woolf [Thomas.Woolf@agri.idaho.gov](mailto:Thomas.Woolf@agri.idaho.gov) for further information.



The next meeting of the [Oregon Invasive Species Council](#) will be **Wednesday, October 8, 8:30-5:00 pm** at the Oregon Department of Forestry's Tillamook Conference Room, Building C, 2600 State St, Salem OR 97310.

**The Alaska Chapter of the American Fisheries Society** will be meeting in Juneau, Oct. 20-24. An invasive species session is being planned. Contact Tammy Davis, ADFG, for further information @ [tammy.davis@alaska.gov](mailto:tammy.davis@alaska.gov)

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

[California Invasive Plant Council Symposium at California State University - Chico, October 8-11, 2014.](#)

## NOVEMBER

The next **Aquatic Nuisance Species (ANS) Task Force** meeting will be Wednesday and Thursday, **November 5-6, 2014** with an All Panel Meeting the Afternoon of Tuesday, November 4. The meeting will be at the new location of the US Fish and Wildlife Service Headquarters Office in Falls Church, VA. Further information can be found @ <http://www.anstaskforce.gov/meetings.php>

The meeting of the **Invasive Species Advisory Committee (ISAC)** will be held on Wednesday, **November 12, 2014 through Friday, November 14, 2014**, at the Holiday Inn Riverwalk, 217 N. St. Mary's Street, San Antonio, TX 78205. The theme of the meeting will be "Management of Invasive Species in Urban Areas." Further information can be found @ [http://www.invasivespecies.gov/global/ISAC/ISAC\\_index.html](http://www.invasivespecies.gov/global/ISAC/ISAC_index.html)

## 2015

**National Invasive Species Awareness Week** – 02/22-28/2015. Further information will be posted @ <http://www.nisaw.org/>

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