



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

***09/05/2013***

### **DREISSENID MUSSELS**

1. [MT Governor visits Ronan invasive species checkpoint \(8/27/13\)](#)

RONAN — Flathead Lake has become a battleground for native and aquatic invasive species. Governor Steve Bullock made a stop at a Ronan watercraft checkpoint on Aug. 20 to show support for the human foot soldiers charged with making sure Montana plants and animals win the war against foreign invaders.....

Related story [here](#)

2. [Monitoring mussels in BC \(9/2/13\)](#)

Invasive mussels - they aren't here yet and we don't want them. That is the message being reinforced by the Okanagan and Similkameen Invasive Species Society (OASISS). The non-profit society has collaborated with several organizations this summer to spread the message about keeping zebra and quagga mussels out of the Okanagan-Similkameen. These invasive European mussels are not believed to occur in B.C., but could easily be transported here from infested lakes in the United States or the Great Lakes region of Canada. They were introduced to North America in the late 1980s.....

3. [Relative abundance of two dreissenid species, \*Dreissena polymorpha\* and \*Dreissena rostriformis bugensis\* in the Lower Don River system, Russia \(8/9/2013\)](#)

Relative abundance of two dreissenid species, *Dreissena rostriformis bugensis* and *Dreissena polymorpha*, in the total dreissenid community was calculated for 15 sites in the lower Don River system, Russia, between 1977 and 2010 to determine relative trends in their sympatric occurrence. The proportion of *D. r. bugensis* first increased at most stations reaching a maximum by 1999. However, after 1999, this species consistently

decreased at 14 of the 15 sites. Degree of decline seems to correlate strongly to calcium content and total mineral content of the water. At sites in the Manych River with a higher Ca<sup>2+</sup> and total mineral content, the proportion of *D. r. bugensis* in the total dreissenid population declined from 65–75% in 1999 to 14–22% by 2009-2010, whereas at sites in the Don River with lower Ca<sup>2+</sup> and total mineral content its proportion declined from 25–50% to only 1%. However, Ca<sup>2+</sup> and total mineral content cannot explain the synchronous and consistent long-term decrease in relative numbers as observed. *D. r. bugensis* normally displaces *D. polymorpha* over time due to superior physiological characteristics. Reasons for the decline of *D. r. bugensis* in the total dreissenid community are unclear, but given its synchronicity despite different times of invasion and hence species interactions we assume a macroregional factor affecting all the populations examined.

4. [Botulism tied to soaring loon deaths in Michigan \(8/13/13\)](#)

The common loon is among the most beloved birds in Michigan for its trilling call and diving acrobatics — a key note in the soundtrack of the outdoors and a visual fixture along its shores. But the species is in trouble. Loon lovers, state officials and researchers are concerned about an escalation in the annual die-off of loons on the state's shores through a strain of botulism.....

5. [Oregon: Invasive mussels have led to increased inspection \(8/17/13\)](#)

Last weekend at Lake of the Woods, my aunt was given a \$30 fine by a Klamath County sheriff's deputy for not having an invasive species permit for her kayak.....

6. [Castaic Lake, CA Boat Inspection Program Succeeds in Fending Off Craft-borne Hazard \(8/12/13\)](#)

After close to three summers of boaters showing up at Castaic Lake — only to wait in sometimes long lines until inspectors prod and poke their Jet Skis and boats — not a single zebra or quagga mussel has been found, lake inspectors have reported.....

**Editor's Note:** *The California Department of Fish and Wildlife has a contact list (with links) of watercraft inspection programs in California that can be found [here](#)*

7. [Enderby \(BC\) joins the battle over invasive mussels \(8/14/13\)](#)

The fight over invasive species is making waves in the Shuswap. Enderby's Shuswap River Ambassadors are helping promote the Don't Move A Muscle campaign about zebra and quagga mussels, which attach themselves to boats, piers and water intakes.....

8. [TX Boater Education Courses Target Invasive Species \(8/12/13\)](#)

DENTON — Every two months, Christopher Churchill, a U.S. Geological Survey biologist, scuba dives in Ray Roberts Lake, northwest of Dallas, to monitor the growth rates of zebra mussels, which have wreaked havoc on several Texas lakes and rivers. “A year ago, it was hard to find just one zebra mussel,” Churchill said. “They’re everywhere now.” .....

9. **The Utah’s Division of Wildlife Resources** has a Commercial Haulers AIS Awareness Program course that can be found [here](#) and scrolling to the bottom of the page.

## WEEDS

1. [BC Coastal Invasive Species Committee \(CISC\) Public key to stopping species spread \(8/27/13\)](#)

Public reporting has been pivotal in limiting the spread of noxious weeds, says a member of the Coastal Invasive Species Committee (CISC). Dave Murphy is director on both Powell River Regional District board for Texada Island and CISC, one of 17 non-profit societies in BC which aims to raise awareness and share information about invasive plants and animal species that threaten local ecosystems.....

2. [Invading Cordova \(AK\) \(8/9/13\)](#)

Look in any direction from town and between the clouds is a breathtaking view of snow-capped mountains meeting the blue waters of Prince William Sound, filled with abundant wildlife and lush green vegetation. If you look closer, though, you may notice a few things that don't belong in this pristine picture. One of those things is invasive species.....

## MARINE

1. [The ABCs and 123s of the EPA’s VGP \(8/13/13\)](#)

If you are following along and keeping a scorecard, then pay attention. Summer School is officially in session. The first iteration of the Vessel General Permit (VGP) expires on December 19, 2013.

2. Abstracts from the **8th International Marine Bioinvasions** conference (August 20-22) can be found [here](#).

### 3. Voracious Invasive Crab Threatening Maine's Shellfish Industry (8/28/13)

Clammer Chad Coffin says there is a force to be reckoned with in Maine's ocean: Green crabs, he says, are dominating hundreds - if not thousands - of square miles of the intertidal zone, a favored habitat of clams.

### 4. Court sides with feds in dispute over California oyster farm closure (9/4/13)

SAN FRANCISCO – A federal appeals court on Tuesday upheld a decision by former Interior Secretary Ken Salazar not to renew the lease of a popular oyster farm operating in the Point Reyes National Seashore in Northern California.

## **OTHER**

### 1. Habitat and co-occurrence of native and invasive crayfish in the Pacific Northwest, USA (5/7/13)

Biological invasions can have dramatic effects on freshwater ecosystems and introduced crayfish can be particularly impacting. We document crayfish distribution in three large hydrographic basins (Rogue, Umpqua, Willamette/Columbia) in the Pacific Northwest USA. We used occupancy analyses to investigate habitat relationships and evidence for displacement of native *Pacifastacus leniusculus* (Dana, 1852) by two invaders. We found invasive *Procambarus clarkii* (Girard, 1852), in 51 of 283 sites and in all three hydrographic basins. We found invasive *Orconectes n. neglectus* (Faxon, 1885) at 68% of sites in the Rogue basin and provide first documentation of their broad distribution in the Umpqua basin. We found *P. clarkii* in both lentic and lotic habitats, and it was positively associated with manmade sites. *P. leniusculus* was positively associated with lotic habitats and negatively related to manmade sites. In the Rogue and Umpqua basins, *O. n. neglectus* and *P. leniusculus* were similar in their habitat associations. We did not find a negative relationship in site occupancy between *O. n. neglectus* and *P. leniusculus*. Our data suggest that *P. clarkii* has potential to locally displace *P. leniusculus*. There is still time for preventive measures to limit the spread of the invasive crayfish in this region.

### 2. SD may give the boot to felt-soled waders (8/22/13)

On its face, the idea of putting felt on the bottom of wading boots makes a ton of sense. Why walk along wet, slippery rocks with rubber-bottom waders that are prone to slipping when you can buy felt-soled waders that add significant traction and a little bit of foot cushion? Manufacturers for years have sold felted waders to anglers who want them.....

### 3. Voracious invaders move into Island's Sproat Lake (BC)

Sproat Lake users and residents are becoming more aware of the invasive species that were intentionally introduced to the lake and now call it home. The Invasive Species Council of British Columbia has confirmed that sunfish, koi and bullfrogs have been

reported in Sproat Lake in the last couple years, and the number of sightings is on the rise.....

#### **4. Time: [Top 10 Invasive Species](#)**

As officials fight to keep the fearsome Asian carp from making its way into the Great Lakes, TIME takes a look at other species that have overstayed their welcome.....

#### **[5. Economic and Environmental Impacts of Harmful Non-Indigenous Species in Southeast Asia \(8/9/13\)](#)**

[MANILA] Invasive species are costing countries in South-East Asia around US\$33.5 billion each year, according to a study published last month (9 August), which some experts say is only scratching the surface of the problem. Despite the huge estimated cost, there is still little evidence about the impact of these harmful non-indigenous species, that could help policymakers in the region, experts say.

#### **[6. Invasive Species Cook-Off: 'A serious issue, but we're having fun with it' \(9/4/13\)](#)**

PHILOMATH, Ore. - The Institute for Applied Ecology and the Oregon Invasive Species Council organized a fundraising dinner to educate the community about the threat of invasive species by giving them a taste of the danger....

## **FISH**

#### **[1. Yellowstone boosts efforts to remove lake trout \(8/29/13\)](#)**

YELLOWSTONE NATIONAL PARK, Wyoming — In a wide delta hemmed in by 8,000-foot mountains, the Yellowstone River pours its nourishing waters into the Southeast Arm of Yellowstone Lake. This is a remote area, seen by few of the 3 million visitors to Yellowstone National Park each year, but these cool, deep waters may be the next battleground for the preservation of native Yellowstone cutthroat trout.

#### **[2. Alliance for the Great Lakes: Asian carp: leaping faster to Lake Michigan than the solutions to stop them \(8/19/13\)](#)**

CHICAGO – The leading edge of the Asian carp invasion in Illinois has advanced dramatically, with spawning moving nearly 100 miles upstream this year to within 25 miles of an electric barrier that is the last line of defense guarding Lake Michigan and the Great Lakes beyond. Data collected by the Illinois Department of Natural Resources in June shows that verified spawning of Asian carp -- a key indicator of a viable Asian carp population and its ability to out-compete native fish species -- has moved to within just 62 miles of the lake.

### 3. Fisherman angling for carp solution (8/26/13)

PEORIA — Greg Dabbs says it's time to dispense with the hysteria over the proliferation of Asian carp in the Illinois River and start making money with the invasive species. Dabbs, a 45-year-old commercial fisherman who lives in Peoria, said the idea of processing fish that's taken over the river only makes sense. "This is not a new idea or business model. It's being used all the time in the Gulf of Mexico and in Alaska," he said.....

### 4. Evidence suggests Asian carp are attempting to leap dams in MN (8/23/13)

Asian carp are on the move. The carcass of a silver carp was discovered recently on a dam abutment near Lock and Dam 5, the farthest upstream one has been found, the Minnesota Department of Natural Resources announced Thursday. The fish is known for leaping only when it's disturbed, so the discovery suggests that the carp are aggressively working to move up the Mississippi River....

### 5. To Save a Lake, Kill its Fish: Invasive Species Threaten South Dakota Lake's Game Fish (8/26/13)

Officials in South Dakota are considering dumping chemicals into Lake Yankton in order to kill all of the fish living within it. The move comes two years after the Missouri River flooded, resulting in some backfill into the lake, which brought with it a number of "rough fish" -- invasive species such as carp and buffalo fish.....

### 6. CMU biology professor detects Asian carp, invasive species in some Michigan waterways (8/30/13)

There are 180 invasive species lurking in some Michigan waterways right now. That's according to Assistant Professor of Biology Andrew Mahon, who is studying the evidence of these invasive species, specifically Asian Carp. Mahon and his colleagues have found evidence of big head and silver carp, both types of Asian carp, in Lakes Erie and Michigan.....

## **JOBS**

**Oregon Invasive Species Council (OISC):** The Oregon Department of Agriculture is seeking a contractor to provide administration, outreach, grant proposal writing, and administrative support for the Oregon Invasive Species Council (OISC). This is a courtesy notification of the above

opportunity. The document has been posted on the Oregon Procurement Information Network (ORPIN) at the following web address <https://orpin.oregon.gov/open.dll/welcome> [See “Browse”, and then “Browse Opportunities”]. If interested, please register and/or download using the ORPIN website. Once downloaded you will be maintained on the eBid planholders list and will be notified of future addenda and/or clarifications.]

**The closing date is Sept. 19, 2013.**

All questions, requests for clarification, and protests pertaining to this RFP, including the technical requirements, contractual requirements, and the procurement process must be directed to the Single Point of Contact Denna M. Coleman, Procurement Analyst; 503-986-4612, [dcoleman@oda.state.or.us](mailto:dcoleman@oda.state.or.us)

## LEGISLATION/FEDERAL ACTIONS/BUDGET

1. Congress is currently in recess, returning to Washington on **September 9<sup>th</sup>** when it only has nine legislative days to deal with all of the FY14 appropriations bills before the 2014 fiscal year begins on October 1<sup>st</sup>. The House and Senate have yet to go to conference on a single bill as they are working from very different baselines with the House using a \$967 billion allocation set in law by the Budget Control Act and the Senate using a \$1.047 trillion allocation that assumes the budget sequester is replaced by savings from entitlement reform or increased taxes. In order to avoid a government shut-down, the most likely course of action appears to be a short-term continuing resolution that funds the government at current 2013 year levels, which total \$988 billion. If Congress is not able to reach a deficit reduction deal by the end of the calendar year, then federal agencies would receive approximately a 2 percent sequester cut beginning in January. A deal on the appropriations and deficit may also collide/coincide with the need to raise the debt limit, which the Treasury Department recently told Congress would happen by mid-October [Source: *Ocean News Weekly*: Week of August 26, 2013 – Number 213]

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## MEETINGS

### OCTOBER

1. Mark your calendars now for October 16-18, 2013! That’s the date set for the annual conference of the Washington State Lake Protection Association (WALPA) and the Oregon Lakes Association (OLA), whose theme, appropriately, is Collaborative Lake Management. For further information go to <http://www.walpa.org/annual-conference/>

2. The next meeting of the Columbia River Basin Team of the 100<sup>th</sup> Meridian will held October 15, 2013 in Vancouver, Washington at the Hilton. Contact Susan Anderson for further information - [sanderson@psmfc.org](mailto:sanderson@psmfc.org)

## **NOVEMBER**

1. 2013 Alaska Invasive Species Conference – November 5-7. Fairbanks.

<http://www.uaf.edu/ces/cnipm>

2. Save the Date : Washington State Weed Association WEED conference; November 6 - 8, 2013; Location: The Coast Wenatchee Center Hotel.

3. ANS Task Force National Meeting November 6-7, 2013; Silver Spring, Maryland

## **2014**

### **FEBRUARY**

1. Marine Invasive Species - Management of Ballast Water and Other Vectors . Muscat, Oman, February 17-19, 2014.

### **APRIL**

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