



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

***09/30/2013***

### **DREISSENID MUSSELS**

1. [Zorinsky Lake \(NE\) still free of zebra mussels after draining and freezing \(9/16/13\)](#)

It probably isn't the only empty beer can to have found its way to the floor of Zorinsky Lake in Omaha, Nebraska, and it probably won't be the last. But in the story of a domestic battle that has had wide-ranging ecological and economic consequences, it is certainly the most significant. Addison Krebs, the Omaha Boy Scout who found the beer can on November 9, 2010, quickly became a hero to local biologists, ecologists, and water recreation enthusiasts — not just because of his efforts to clean the lake of litter but also because of what he discovered in the process.....

2010 article on original discovery can be found [here](#)

*[Editor's Note: It appears to date that Zorinsky Lake is the second successful dreissenid eradication in the US, the other being [Millbrook Quarry, VA](#)]*

2. [Missouri Lake to Undergo Zebra Mussel Treatment \(9/28/13\)](#)

Kansas City, MO - infoZine - Zebra Mussels were discovered on the Grand River Arm of Truman Lake adjacent to the Tightwad boat launching ramp earlier this month. Therefore the cove located adjacent to Sky Village known as County Line Boat Ramp will be closed beginning Sunday evening, Sept, 29 for approximately 48-72 hours in order to execute the treatment. This is considered a point source infestation because mussels had been scraped into piles from a boat prior to the boat being launched. The cove where the Zebra mussels were discovered will be treated with copper sulfate.....

### **3. Washington Intercepts Fouled Great Lakes Boat (9/13)**

On Wednesday, September 18th, Blaine Parker of the Columbia River Inter-Tribal Fish Commission alerted the WEST911 system that he had encountered a commercially hauled 55 ft. vessel - "Suburban Jewel" - in Oregon with attached zebra and quagga mussels. The hauler stated the boat had been in dry dock for years, cleaned prior to departure, and was headed to Bellingham, Washington. WDFW contacted the hauling company made arrangements to decontaminate the boat in Olympia on Sept. 20th. However, the hauling company did not stop and did not respond to numerous phone calls. WDFW learned that the boat had arrived at the boatyard on the 19th. The boat was quarantined and the department began inspection and decontamination actions on the 23rd. The boat had over 1,000 dead zebra and quagga mussels on the hull, stern, outdrives, and internal engine cooling system. All mussels were physically removed and the entire boat was thoroughly decontaminated using 140 F hot water pressure washer. The hauler is being charged for the decontamination costs of approximately \$500.00 and WDFW Enforcement is investigating the matter for potential. [[Scroll down to end of this document for a WDFW incident report](#)]

### **4. Recent Reports of New Dreissenid Infestations**

#### [DNR confirms zebra mussels in Maple Lake in Douglas County \(9/19/13\)](#)

The Minnesota Department of Natural Resources (DNR) has confirmed the presence of zebra mussels in Maple Lake in Douglas County after responding to a report of zebra mussels attached to the wheel of a boatlift in the lake earlier this month.....

And [Lake Hiawatha](#)

#### [Zebra Mussels Discovered in Lake Belton, Texas and suspected in Lakes Worth and Joe Pool](#)

### **5. Announcement - Pilot Laboratory Testing Program for the Early Detection of Quagga and Zebra Mussels**

A new program has been implemented by the Bureau of Reclamation, Rensselaer Polytechnic Institute (Darrin Fresh Water Institute), and Skidaway Institute of Oceanography. Independently validated reference samples are now available upon request at [www.musselmonitoring.org](http://www.musselmonitoring.org). The overall objective of the Pilot Laboratory Testing Program is to improve the reliability of laboratory testing for the early detection of quagga and zebra Mussels. Reference Dreissena larvae samples have been

unavailable until now. Participating laboratories in the program that are in the process of developing and optimizing existing and new laboratory techniques will be able to independently assess their results. The Pilot Laboratory Testing Program is sponsored by US Fish & Wildlife to implement one of the highest priority actions recommended by the Western Regional Panel for the Aquatic Nuisance Species Task Force (Quagga-Zebra Mussel Action Plan for Western U.S. Waters, February 2010).

6. [Minn. groups seek new ways to combat zebra mussels \(9/18/13\)](#)

MOORHEAD, Minnesota — Some municipalities and lake associations that have grown frustrated by Minnesota's lack of progress in combating aquatic invasive species are backing research into finding more permanent ways of stopping the pests.

7. [Okanagan water board braces for potential invasion \(9/12/13\)](#)

An unexpected parental leave was partly to blame for a near-miss in the Shuswap that could have caused the depletion of fish species the likes of which agencies are working hard to prevent here in the Okanagan. The threat at Shuswap Lake in July 2012 appeared in the form of thumbnail-size quagga mussels attached to a boat arriving from the U.S.

8. [Atlantium Technologies study shows potential for invasive species](#)

The use of unique UV technology called "Hydro Optic Disinfection" (HOD) has shown promising results in controlling zebra and quagga mussel populations on ...

9. [Mussels not wanted in area lakes \(BC\) \(9/18/13\)](#)

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.....

Related article [here](#)

10. [Biologists inspect Utah lakes for invasive mussels species \(9/10/13\)](#)

WASHINGTON COUNTY – Boating season may be unofficially over, but the fight to keep invasive species out of Utah waters rages on. Quagga mussels have infested a handful of Utah lakes and reservoirs, including Sand Hollow Reservoir. That's where Washington County Water Conservancy District biologists are constantly monitoring to make sure populations don't get out of control.....

## WEEDS

### [1. Proposed changes to the 2014 Washington State noxious weed list](#)

The Washington State noxious weed list is updated every year, and all Washington residents can submit proposals to add or remove species, change the class of a listed noxious weed, or to change the designated area in which control is required for a Class B noxious weed. Anyone, including citizens, tribes, organizations, government agencies, and county noxious weed control boards may participate in the listing process by submitting a proposal or by submitting testimony about proposed changes to the noxious weed list. In fact, Washington's open, inclusive listing process is lauded by other states for its encouragement of public participation. [Learn more about the listing process here.](#)

This year, the State Noxious Weed Board will vote on the following proposed changes to the 2014 noxious weed list at their regular board on Wednesday, November 6, 2013 in Wenatchee. The votes will take place after the Board has considered testimony received during and prior to a public hearing, which will be held on Tuesday, November 5 from 1:00 p.m. to 3:00 p.m. at the Confluence Technology Center, located at 285 Technology Center Way, Wenatchee, WA 98801. The purpose of the public hearing is to solicit citizen comments and opinions about these proposed rule changes.

### **2. Invasive Plant Management Workshops in Washington and Oregon**

The following workshops are sponsored by the Pacific Northwest Invasive Plant Council. These invasive plant management workshops will be held in Tacoma Washington at the Tacoma Nature Center on November 5<sup>th</sup>, 2013 (<http://www.invasiveplantcontrol.com/tacoma/>) and in SunRiver Oregon (close to Bend) on November 7<sup>th</sup>, 2013 (<http://www.invasiveplantcontrol.com/bend/>). A link to the current agendas can be found by following the registration links above and can be viewed before registering. The day's talks will be a mix of practical on the ground control recommendations, current research in the field and discussions of partnership opportunities for controlling invasive plants.

## MARINE

### 1. California Ocean Institute studies invasive Harbor species as part of Smithsonian program (9/6/13)

Young students studying marine life and maritime history have long been a part of the Ocean Institute and now a partnership is bringing greater opportunities for more experienced citizen scientists to do the same.

### 2. UAS Ketchikan Hosting Marine Invasive Species Bioblitz (9/12/13)

(SitNews) Ketchikan, Alaska - UAS Ketchikan is hosting a Marine Invasive Species Bioblitz for a day of learning and fun. The goal of the Bioblitz is to engage and educate the public about invasive species that threaten Alaskan coastal waters. Participants will learn about the targeted invasive species in the morning and then go out to look for these invasive species around Ketchikan.....

4. US Coast Guard's Director of Commercial Regulations IMO newsletter is available at the following link:

<http://www.uscg.mil/imo/docs/Newsletters/2013-2/2013-Summer-Newsletter-.pdf>

### 5. Insights: Steve Dickey, Global Marine Market Director, Sherwin-Williams Marine Coatings (9/23/13)

If lifecycle asset management is at the very forefront of an economically driven shipping company, then marine coating have to be a part of that discussion. That, in part, is because the global regulatory scheme is now impacting everything from marine propulsion, vessel discharge protocol, ballast water management and everything in between. The fact that marine coatings can be at the very heart of any and all of these discussions shouldn't surprise anyone.

## OTHER

### 1. In Oregon's War Against Invasive Species, All Is Fare

PHILOMATH, Ore.—Oregon is famous for its food fetishists, but the state has taken gastronomy to a new level: recruiting “locavores” to prey on species environmentalists want to eradicate. At a dinner here last month designed with the environmentally conscious foodie in mind, the menu was filled with a variety of invasive species that have hit the state. Sorel stems lent the crunch to sushi. Bullfrog flesh put meat into a white potato salad. Dandelion leaves replaced the spinach in an “invasives” spanakopita.....

## [2. Invasive species found in Grays Harbor, Chehalis River Basin \(9/23/13\)](#)

CENTRAL PARK, Wash. - New Zealand mudsnails were recently discovered in the lower Chehalis River approximately 2.0 miles south of Central Park and approximately 2.5 miles east of Cosmopolis. This is the first discovery of New Zealand mudsnails in the Chehalis River Basin.

## [3. In whole-lake experiment, have invasive crayfish met their match? \(9/6/13\)](#)

Four years ago, UW-Madison researchers wrapped up a multi-year effort to dramatically reduce the population of a destructive invasive species in a northern Wisconsin lake. Now, a recent survey of the lake shows that not only have fish, insect and plant communities bounced back in Sparkling Lake, but the invasive rusty crayfish is on the ropes.....

# FISH

## [1. Tribes Recommend Most Aggressive Option For Reducing Non-Native Lake Trout In Flathead Lake \(9/13/13\)](#)

The Confederated Salish-Kootenai Tribal Council is recommending that the most aggressive option for netting lake trout on Flathead Lake be adopted after a final round of public comment.

## [2. New Asian carp evidence proves Great Lakes need separation, Congressman Camp says \(9/17/13\)](#)

WASHINGTON — Word that a live Asian carp was found in a body of water close to Lake Michigan is another indication that more must be done to separate the Great Lakes from other waterways to prevent the invasive species from entering, U.S. Rep. Dave Camp said today....

## [3. Tiny Number of Asian Carp Could Be Big Problem for Great Lakes](#)

Sep. 11, 2013 — A tiny number of Asian carp could establish a population of the invasive fish in the Great Lakes, according to new research from the University of Waterloo.

## [4. The Effects of Pulse Pressure from Seismic Water Gun Technology on Northern Pike \(8/29/13\)](#)

.....Among Northern Pike that were exposed to the large water gun, 100% of fish exposed at 3 and 6 m had ruptured gas bladders, and 86% exposed at 9 m had ruptured gas bladders. Among fish that were exposed to pulse pressures from the smaller water gun, 78% exhibited gas bladder rupture. Results from these initial controlled experiments underscore the potential of water guns as a tool for controlling Northern Pike. [thanks to Jackson Gross]

## **JOBS**

### **1. Invasive Species Program Specialist Great Lakes Commission**

***Application Deadline: October 17, 2013***

The Great Lakes Commission has an immediate opening for a self-starting, highly motivated team player to work on Great Lakes aquatic invasive species (AIS) and habitat restoration projects. This is a junior-level position reporting to project managers and program directors. The individual will provide staff support on issues such as the Great Lakes Phragmites Collaborative and other habitat and invasive species-related projects. The incumbent must be an excellent communicator with a background in natural resources or a related field. Tasks will include assisting with development of policy and research reports on habitat and AIS issues, communications and outreach to a diverse audience through social media, presentations and written documents; meeting planning, coordination and facilitation in support of collaborative partnerships; and other related work. For additional details, including application requirements, see the complete job announcement at <http://www.glc.org/announce/13/09position.html>.

### **2. 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 now October 10, 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)

### **3. USFWS, Fish Biologist (Asian Carp/eDNA Monitoring)**

This position is located at the Green Bay Fish and Wildlife Conservation Office, New Franken, Wisconsin. This is a term position not to exceed 13 months. The appointment may be extended for an additional 3 years at management's discretion. The incumbent will be responsible for assisting the Asian carp/eDNA monitoring and detection program and aquatic invasive species surveillance program in the Great Lakes, and specifically in Lake Michigan for the Green Bay Fish and Wildlife Conservation Office. Further

information @ <https://www.usajobs.gov/GetJob/ViewDetails/351096000> . **Closes 10/11/13.**

## LEGISLATION/FEDERAL ACTIONS/BUDGET

**1. The State of Washington's Aquatic Invasive Species Management 2014 legislative proposal (Draft 2) is now available @ <http://wdfw.wa.gov/ais/>** ( look under "latest news" and see Review Draft 2: Concerning the management of invasive species. According to WDFW this version of the Department's proposal contains significant changes based on stakeholder comments. The majority of changes are non-substantive revisions (in respect to Department authorities) provided to clarify intent and enhance prevention, education, and outreach directives.

**[2. Archived Hearing Webcast: Oversight Hearing on "The Department of the Interior's proposal to use a Categorical Exclusion under the National Environmental Policy Act \(NEPA\) for adding species to the Lacey Act's list of injurious wildlife" \(9/20/13\)](#)** [This webpage includes written testimony from witnesses]

For more information on the Categorical Exclusion proposal from the USFWS go [here](#)

[Federal Register Notice Announcing Reopening of Public Comment Period](#) August 16, 2013 (new deadline is October 15, 2013)

House Committee on Natural Resources Press Release on the hearing go [here](#)

### [3. H.R. 3105: Aquaculture Risk Reduction Act \(9/17/13\)](#)

To amend the Lacey Act Amendments of 1981 to exempt from such Act animals accidentally included in shipments of aquatic species produced in commercial aquaculture, and for other purposes.

For Congressman Rick Crawford's (R-AR) press release on the bill go [here](#)

### **4. Water Resources Development Act**

**House Committee Passes WRDA (H.R. 3080):** .....the House Transportation and Infrastructure Committee advanced the "Water Resources Reform and Development Act" on 9/19/13 by a unanimous voice vote. The bill's resounding approval came as little surprise after months of effort by Chairman Bill Shuster (R-Pa.) and other panel leaders to craft bipartisan compromise on the measure, [H.R. 3080](#), that would authorize new water projects, deauthorize languishing ones and institute major reforms of the Army Corps of Engineers' processes without using earmarks..... Rep. Peter DeFazio (D-Ore.) also offered and then withdrew an amendment to establish a program aimed at

blocking the spread of **invasive aquatic species**. "I understand that there are concerns on the majority side that this would be a new program and it would authorize up to \$30 million," DeFazio said. "The annual costs of just one invasive species are more than 20 times of that currently with the quagga mussel, and there are many other invasive species out there where the control efforts are extraordinarily expensive once they're in our environment." Shuster and panel ranking member Nick Rahall (D-W.Va.) said they opposed the amendment because it would add to the bill's cost. [Source: Reprinted from *Greenwire* 9/19/13, with permission from Environment & Energy Publishing, LLC. [www.eenews.net](http://www.eenews.net). 202/628-6500]

A tweak making **aquatic species efforts eligible** for funding under current funding streams for the Corps of Engineers was included in bill's **amendments** as follows:

**SEC. 134. AQUATIC INVASIVE SPECIES.**

Section 104(a) of the River and Harbor Act of 1958 (33 U.S.C. 610(a)) is amended by inserting “and aquatic invasive species” after “noxious aquatic plant growths”.

**Senate:** In May the Senate passed [S.601](#), Water Resources Development Act (WRDA) of 2013, which will provide funding for water projects involving navigation, flood control, and environmental restoration. **NOTE:** 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.”

**What Next:** Current thinking is that the full house will vote in the coming week ( +) on HR 3080 and a conference committee on the two bills will convene in late October/early November.

## 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/>

The conference includes an Aquatic Weed School on 10/16, go [here](#) for the agenda.

## **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

4. 22nd Biennial Conference of the Coastal and Estuarine Research Federation: 3-7 November 2013; Hotel Mission Valley San Diego Town & Country Convention Center • San Diego, CA. Early Registration Deadline: 3 October 2013.

## **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

**AIS RAPID RESPONSE****INCIDENT DETAILS:**

Species Found:	<b>Zebra &amp; Quagga Mussels</b>
Alive/Dead:	<b>Dead</b>
Date Found:	<b>September 18, 2013</b>
Boat From:	<b>Chicago, IL</b>
Destination:	<b>Bellingham, WA</b>
Hauler:	<b>TJ's Marine (Kentucky)</b>
Inspected by:	<b>B. Parker (CRITFC)</b>
Decon by:	<b>M. Reaves (WDFW)</b>
Citation:	<b>Gross Misdemeanor (Pending)</b>

Photos

*Left* - Infested boat at Seaview Boatyard  
*U. Right* - Zebra mussels from water intake filters  
*L. Right* - Map of source location  
*L. Mid* - Mussels found in other areas of boat

**Summary:**

On Wednesday, September 18th, Blaine Parker of the Columbia River Inter-Tribal Fish Commission alerted the WEST911 system that he had encountered a commercially hauled 55 ft. vessel - "Suburban Jewel" - in Oregon with attached zebra and quagga mussels. The hauler stated the boat had been in dry dock for years, cleaned prior to departure, and was headed to Bellingham, Washington. WDFW contacted the hauling company made arrangements to decontaminate the boat in Olympia on Sept. 20th. However, the hauling company did not stop and did not respond to numerous phone calls. WDFW learned that the boat had arrived at the boatyard on the 19th. The boat was quarantined and the department began inspection and decontamination actions on the 23rd. The boat had over 1,000 dead zebra and quagga mussels on the hull, stern, outdrives, and internal engine cooling system. All mussels were physically removed and the entire boat was thoroughly decontaminated using 140° F hot water pressure washer. The hauler is being charged for the decontamination costs of approximately \$500.00 and WDFW Enforcement is investigating the matter for potential violations of state prohibited aquatic invasive species laws.

For more information contact: WDFW AIS Unit, 600 Capitol Way N, Olympia, WA 98501; <http://wdfw.wa.gov/ais/>