



AQUATIC INVASIVE SPECIES NEWS

DREISSENIID MUSSELS

1. Effectiveness of EarthTec® for killing invasive quagga mussels and preventing their colonization in the Western United States (11/29/12)

Quagga mussels (*Dreissena rostriformis bugensis*) have created economic and ecological impacts in the western United States since their discovery in 2007. This study focuses on chemical control for preventing the spread of these mussels. The effectiveness of EarthTec® in killing quagga mussels (adults, juveniles, and veligers) in Lake Mead, Nevada-Arizona, was evaluated over time across six concentrations: 0, 1, 5, 10, 17, and 83 ppm. One hundred percent mortality of adult and juvenile mussels was achieved after 96 h with 17 ppm and 5 ppm (respectively), and 100% veliger mortality occurred within 30 min at 3 ppm. From December 2010 to February 2011, the effectiveness of EarthTec® in preventing veliger colonization was also evaluated and the results showed that 2.8 ppm was effective in preventing veliger colonization on fiberglass panels. This study indicates that EarthTec® has the potential to be an effective control agent against the invasive quagga mussel, and more specifically, in preventing the colonization of veligers. [Note: article for purchase]

Related document (Watters Master's Thesis, 2011):

<http://digitalscholarship.unlv.edu/cgi/viewcontent.cgi?article=1909&context=thesedisser-tations>

2. DEEP Responds to Reader's Letter on Zebra Mussels (12/6/12)

[In response to [a letter recently published at Patch.com](#), Bill Hyatt of the **Connecticut** Department of Energy and Environmental Protection provided the following summary on the Department's efforts to combat invasive species – including zebra mussels. Mr. Hyatt is the Bureau chief for Natural Resources at the Department.]

3. Zebra Mussels found at CA Golf Course

Details:

State: CA

County: San Benito

Drainage: Pajaro (18060002)

Location: pond in Hollister at Ridgemark Golf Course

Reason: This population was a result of untreated water from San Justo Reservoir (first documented in 2008 with zebra mussels).

More information on this specimen can be found:

<http://nas.er.usgs.gov/queries/specimenviewer.aspx?SpecimenID=293221>

More information on this species can be found:

<http://nas.er.usgs.gov/queries/SpResults.aspx?SpeciesID=5>

[Source: Auto-generated e-mail from the US Geological Survey - Nonindigenous Aquatic Species database]

WEEDS

1. [Mount Rainier bamboo invasion sprouts request for ban on invasive plants \(12/4/12\)](#)

You might think Sean McBride is a bamboo enthusiast. The Mount Rainier resident has used the tropical plant to build a gate and two trellises for his backyard, and shown his friends how to build similar structures. But McBride's experience with the plant has more to do with overabundance than the development of a new hobby.....

2. [Wildfires fanned by invasive grass species \(12/6/12\)](#)

Scientists say that a variety called cheatgrass dries out and burns more rapidly than other vegetation. They believe it has fuelled almost 80% of the largest fires in the American West over the last 10 years. Researchers are looking at a range of solutions including using a fungus to attack the grass seed. Originally transported to the US in soils on board ocean-going ships, the noxious, weedy grass continued its journey west in the 1800s with settlers and cattle ranchers.....

3. Sanders County AIP Task Force:

A detailed summary of aquatic vegetation/control information for the EWM/CLP project at Noxon Res is available from Clean Lakes Inc. The report includes aquatic plant data at

treatment and 6-week post treatment. Online at <http://www.cleanlake.com/2012noxonrapidsais/2012apar.html> (Thanks to Celestine Duncan 12/9/12)

MARINE

1. Government of Japan Gifts NOAA \$5 Million to Address Tsunami Marine Debris (12/4/12)

DECEMBER 4, 2012 -- On November 30, 2012, the Government of Japan announced a gift of \$5 million to the United States, through NOAA's Marine Debris Program, to support efforts in response to marine debris washing ashore in the U.S. from the March 2011 earthquake and tsunami in Japan.....

2. Southern Maine clams threatened by invasive species, warming climate (12/11/12)

FREEPORT — Small, green crabs [*Carcinus maenas*] are wreaking havoc along the Harraseeket River, and could soon devour the soft-shell clam population into extinction. As water temperatures continue to rise and the winters get warmer, experts and clammers say the crabs, which eat spat – clams in larval stage – combined with coastal acidification, could drive 1,800 licensed clammers out of work and drastically alter the ecosystem.....

[Note: there is an error in the article, “Green crabs, originally from Japan, were first recorded on Long Island, N.Y., in the mid-1860s....”. Correction: The European green crab is native to Europe and northern Africa (not Japan)(thanks to Ted Grosholz for pointing this out)]

OTHER

1. Judge dismisses Asian carp lawsuit, says states can amend claims against the government (12/3/12)

CHICAGO — A federal judge Monday threw out a lawsuit filed by five states that want barriers placed in Chicago-area waterways to prevent Asian carp from invading the Great Lakes, but said he would consider new arguments if the case were filed again. Michigan, Wisconsin, Minnesota, Ohio and Pennsylvania claimed that the U.S. Army Corps of Engineers and Chicago’s Metropolitan Water Reclamation District are causing a public nuisance by failing to physically separate a network of rivers and canals from Lake Michigan.....

2. A Powerful Tool for Managing the Spread of Invasive Species

Managed by the [Oregon Biodiversity Information Center](#) (ORBIC) at Portland State University, Oregon [iMapInvasives](#) is an online, GIS-based invasive species reporting and querying tool. According to Lindsey Wise, Oregon *iMapInvasives* Data Administrator, *iMapInvasives* is an open source spatial dataset with hundreds of thousands of records of individual instances and infestations of invasive plants, animals and insects, treatment methods and treatment results compiled from sources like the Forest Service, the Bureau of Land Management, the Oregon Department of Parks and Recreation, the Oregon Department of Agriculture, the US Geological Survey Nonindigenous Aquatic Species, and Oregonians concerned about the spread of invasive species. With its data input and customizable query tools, *iMapInvasives* makes it easy for those working to control the spread of invasive species to share what they know.....

JOBS

1. California Sea Grant Extension Specialist (Academic Coordinator) – San Luis Obispo, CA

California Sea Grant's Extension Program is hiring a specialist to work in San Luis Obispo, CA, at the Center for Coastal Marine Sciences, California Polytechnic State University, SLO. We're looking for someone with expertise in aquaculture, marine fisheries, coastal resource/coastal community sustainability, climate change, or marine ecosystem-based management. Salary is competitive and is based upon UC San Diego pay scales, commensurate with a candidate's experience, but is expected to start in the range between \$52,944 and \$66,972 annually.

Apply by February 15, 2013.

MEETINGS/WEBINARS

1. 24th USDA Interagency Research Forum on Invasive Species

January 8-11, 2013
Annapolis, Maryland

2. 2013 Montana Weed Control Association Annual Conference

January 15-17, 2013
Great Falls, Montana

3. International Didymo Conference

March 12-13, 2013 in Providence, Rhode Island. Abstracts for all papers and posters must be received by **November 1 2012**.

4. National Invasive Species Awareness Week March 3 – 8, 2013

Please mark your calendars for events in Washington, DC and around the country.

State, federal and local and tribal officials meet with NGO's, industry and stakeholder groups addressing invasive species to examine laws, policies and creative approaches to prevent and reduce invasive species threats to our health, economy, environment and natural resources including special places.

5. Western Aquatic Plant Management Society Annual Meeting -- Save the Date!

Coeur d'Alene Resort in Coeur d'Alene, ID.
March 25 to 27, 2013

6. The Invasive Species Centre is hosting the 18th International Conference on Aquatic Invasive Species, April 21-25, 2013 at the Sheraton-on-the-Falls Hotel in Niagara Falls, Ontario, Canada.

The **Preliminary Program** for the 18th International Conference on Aquatic Invasive Species is now available on the ICAIS conference website www.icaiss.org . The program is still subject to change, so please check the website for updates. Note that the cut-off date for hotel reservations is **March 21, 2013** so be sure to reserve early to ensure your accommodation http://www.icaiss.org/html/info_accomm.html