

June 25 2014



THE CURRENT

An eNewsletter of the CSU Water Center



FEATURE

CSU to study water quality impacts of beetle kill



Researchers from Colorado State University and the Colorado School of Mines are collaborating on a 5-year, \$3 million study funded by two 2012 National Science Foundation Water Sustainment and Climate Program grants. The study is focusing on potential water resource changes resulting from the mountain pine beetle epidemic by examining changes in climate, forested ecosystems altered by pine beetle impacts, biogeochemical processes, and resource management practices.

The \$648,929 CSU grant funds the social science portion of the study. Professor John Stednick of CSU's Department of Forest and Rangeland Stewardship is the Principal

Investigator (PI) and Associate Professor Stuart Cottrell, Department of Human Dimensions of Natural Resources, is the Co-PI. Mike Czaja, a FRS postdoctoral fellow, is also participating.

Click [here](#) for more information on this study from the Warner College of Natural Resources.

Photo courtesy of *The Coloradoan*. Click [here](#) to see the article in *The Coloradoan*.

HIGHLIGHTS

[GRAD 592 Interdisciplinary Water Resources Seminar](#)

The Fall 2014 Theme for this seminar series is *Water, Climate & Extreme Events*. Students interested in taking the one-credit seminar should sign up for GRAD592, Water Resources Seminar, Section ID Number: 74006. The seminar will be held at 4:00 pm on Monday afternoons in Engineering E104. Students who have enrolled in GRAD592 in the past may also enroll for this offering.

For more information click [here](#).

[POND Mentoring Program](#)

Interested in a career in the water industry? Join the Colorado Water Congress POND Mentoring Program on LinkedIn and participate in discussions with industry professionals and university professors. Search "Colorado Water Congress POND" on LinkedIn to request to join this group.

For more information, click [here](#).

UPCOMING EVENTS

[Northern Water Tours](#)

Northern Water is conducting full-day tours of the Colorado-Big Thompson and Windy Gap projects this summer. They are sponsoring two East Slope tours that highlight their conservation gardens, water operations, and proposed storage projects. The two West Slope tours travel through Rocky Mountain National Park to view the C-BT collection system and the Windy Gap Project.

Click [here](#) for tour dates and registration information.

[2014 AWRA Summer Specialty Conference: "Integrated Water Resources Management - From Theory to Application"](#)

June 30 - July 2, 2014 | Reno, NV | John Ascuaga's Nugget Casino Resort

The presentations and discussions at this conference will focus on how IWRM is being applied to address a wide range of water resource management issues. The conference will feature 27 technical sessions on issues associated with implementing IWRM, including: water quality, flood management; regional planning, economics, groundwater, utilities management, agriculture, ecosystems, and more.

For more information, click [here](#).

Call for Abstracts - 2014 Water Education Summit

Submission Deadline: July 1, 2014 | Conference Dates: Sept 8-10, 2014 | Asheville, NC

Abstract topics for this summit are: ecosystem restoration and preservation, watershed planning and stewardship, education for public officials and decision-makers, stormwater management, green infrastructure, funding and programmatic resources, climate change and water resources, innovative knowledge and technology transfer, and private sector educational programs.

For more information and to submit an abstract, click [here](#).

Graduate Student Online Poster Competition - Water for Food Global Conference

Abstract Submission Deadline: July 15, 2014

This poster competition seeks to recognize current research focused on "Harnessing the Data Revolution to Ensure Water and Food Security from Field to Global Scales." Prizes will be awarded for the top posters.

For more information and to submit an abstract, click [here](#).

Registration Open - 29th Annual WaterReuse Symposium

Early Reg. Deadline: July 25 | Advance Reg. Deadline: Aug 22 | Symposium Dates: Sept 7-10

The Annual WaterReuse Symposium is the largest gathering of water professionals focused specifically on issues associated with water reuse and desalination.

For more information and to register, click [here](#).

CUAHSI 2014 Biennial Colloquium

July 28-30, 2014 | National Conservation Training Center | Shepherdstown, WV

The theme for the Fourth Biennial Colloquium on Hydrologic Science and Engineering is "Water Across the Critical Zone: Scaling from Local to Global Hydrology." The CUAHSI Biennial meeting's unique format consists of a mix of plenary and concurrent sessions featuring all invited talks, a general water science contributed poster session, special events, and workshops.

For more information, click [here](#).

Call for Papers - International Symposium on Waterborne Pathogens

Submission Deadline: July 30, 2014 | Symposium Dates: April 13-14, 2015

The sixth International Symposium on Waterborne Pathogens will provide a comprehensive forum for the exchange of up-to-the-minute information and cutting-edge ideas relating to the critical public health issue of water pathogens.

Click [here](#) to see sample topics and submit an abstract.

Future Technologies for Water Competition

Submission Deadline: July 31, 2014

The Future Technologies for Water Competition (FTW) aims to identify breakthrough technologies for safe water with a sustainable business plan with wide-scale applicability. The first-place winner will receive \$15,000, and the second place winner will receive \$5,000.

For more information, click [here](#).

Call for Posters - South Platte Forum

Submission Deadline: August 15, 2014 | Forum Dates: Oct 22-23, 2014

The call for posters is open for the 25th Annual South Platte Forum in Longmont, CO. This year's theme is Water and Wisdom.

For forum information, click [here](#). To submit a poster, click [here](#).

Call for Side Events - 2014 Water for Food Global Conference

Proposal Deadline: August 15, 2014

This year's conference theme is "Harnessing the Data Revolution, Ensuring Water and Food Security from Field to Global Scales." The conference will focus specifically on how data can improve the productivity and sustainability of small and large farmers. Side event proposals supporting this theme from academia, industry, government, non-profits and more are welcome.

For more information, click [here](#).

Registration Open for 2014 Water and Health Conference

Early Reg. Deadline: Aug 29, 2014 | Conference Dates: Oct 13-17, 2014 | Chapel Hill, NC

The 2014 Water and Health Conference: Where Science Meets Policy, organized by The Water Institute at UNC, considers drinking water supply, sanitation, hygiene and water resources in both the developing and developed worlds with a strong public health emphasis.

For more information, click [here](#).

2014 Upper Colorado River Basin Water Forum

Forum Dates: November 5-6, 2014 | Colorado Mesa University | Grand Junction, CO

The 2014 conference, hosted by the Water Center at Colorado Mesa University, will create a forum for wide-ranging discussion looking toward a resilient water future in the Upper Colorado River Basin. Important issues for the conference include a growing population, shifting water needs, environmental issues and climatic changes.

For more information, click [here](#).

Call for Papers - 3rd International Conference on Water and Society

Conference Dates: July 15-17, 2015 | A Coruña, Spain

This meeting will encourage trans-disciplinary communication on issues related to the nature of water, and its use and exploitation by society. The conference is motivated by the need to bridge the gap between the broad spectrum of socio-political sciences and humanistic disciplines and specialists in physical sciences, biology, environmental sciences and health, among others.

Click [here](#) for more information.

GRANTS & FELLOWSHIPS

National Integrated Water Quality Program

Application Deadline: July 3, 2014

NIFA requests applications for the Integrated Research, Education, and Extension Competitive Grants Program - National Integrated Water Quality Program (NIWQP) for fiscal year 2014 to address critical agricultural water quality issues in the United States.

Click [here](#) for more information.

Call for Proposals - WERF Unsolicited Research Program

Application Deadline: July 17, 2014

The Water Environment Research Foundation (WERF) seeks pre-proposals on topics consistent with WERF's mission, that is, to advance science and technology addressing water issues as

they impact water resources, the atmosphere, the land, and quality of life. Proposals in all relevant wastewater, stormwater, and water quality areas are welcome.

For more information, click [here](#).

Fish and Wildlife Service Recovery Implementation Fund

Application Deadline: July 31, 2014

The FWS Ecological Services Program provides Federal financial assistance on a competitive basis to secure information about endangered, threatened or candidate species, to aid in the recovery of these species, to avert listing of species pursuant to the Endangered Species Act, and to help conserve the ecosystems upon which these species depend.

For more information, click [here](#).

National Priorities: Systems-Based Strategies to Improve The Nation's Ability to Plan And Respond to Water Scarcity and Drought Due to Climate Change

Application Deadline: August 5, 2014

The U.S. Environmental Protection Agency (EPA) is seeking applications that use a systems approach to investigate how drought, climate change, and land use practices impact the quality and availability of surface and groundwater sources nationally. EPA is also interested in research that will help communities anticipate, plan and adapt to these new climate scenarios in the future.

For more information, click [here](#).

EMPLOYMENT AND VOLUNTEER OPPORTUNITIES

Two EPA Post-Doctoral Positions Available

The EPA has two post-doc positions at its Western Ecology Division in Corvallis, OR. Position 1 will evaluate the effects of climate change on hydrologic behavior in the southwest. Position 2 will involve mapping watershed integrity nationally.

For more information about Position 1, click [here](#). For more information about Position 2, click [here](#).

Research Assistant Professor or Research Associate Professor

The Water Institute of the University of North Carolina-Chapel Hill wishes to recruit a Research Assistant Professor or Research Associate Professor. The successful candidate will serve as Director for Research of the Water Institute at UNC.

For more information, click [here](#).

Stormwater Inspector - Brighton Utilities Department

Application Deadline: June 30, 2014

The Stormwater Inspector position is responsible for assisting with the operation and maintenance management of the stormwater system and implementation and compliance of the City of Brighton's Municipal Separate Storm Sewer System permit requirements.

Click [here](#) for more information.

Two Assistant Professorships in Hydrology - New Mexico Institute of Mining and Technology

Application Deadline: October 1, 2014

Applicants should have a Ph.D. in Earth Sciences, Civil Engineering, Environmental Engineering, or a related field. Seeking candidates with interests in flow and transport in porous media, hyporheic zone studies, karst hydrology, hydrogeomechanics, isotope hydrology, or aqueous geochemistry.

For more information, click [here](#).

Dam Safety Intern

Colorado Parks and Wildlife has an opening for a Dam Safety Intern for the summer and fall of 2014. The candidate should be at least a junior level in Civil Engineering and should have completed classes in Open Channel Hydraulics and Geotechnical engineering. The successful candidate will work with the Dam Operations Manager and gain experience with the maintenance and construction related to dams. Work will consist of engineering and support work, including hydraulic modeling in HEC-RAS, and Arc-GIS, hydrological modeling using HEC-HMS, and work with other computer software.

Interested candidates should send their resume to John P. Clark, P.E., at john.clark@state.co.us.

Water Resources Engineer

One or more full time positions for a mid-level to senior water resources engineer in Beltsville, MD. Opportunity to work on state-of-the-art research projects, pilot projects, and development of cutting edge tools and strategies for Green Infrastructure projects throughout the US and overseas.

For more information, click [here](#). To apply, send resume to info@lowimpactdevelopment.org with the subject line "Water Resources Engineer."

MISCELLANEOUS

[CSU Drinking Water Quality Report Now Available](#)

Each year CSU and the City of Fort Collins are required by law to deliver a report on the quality of drinking water provided to their customers.

To read the report, click [here](#).

[New Issue of the Journal of Water, Sanitation and Hygiene for Development Available Online](#)

This journal is published by the International Water Association.

Click [here](#) to read.

[World Water Conflicts Infographic](#)

Aaron Wolf and other researchers at Oregon State University have developed an infographic to map out international exchanges over water - both conflicts and alliances.

To see the infographic, click [here](#).

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