

**COMMUNICATIONS RECEIVED AND REFERRED
BUTTE COUNTY WATER COMMISSION
MEETING OF APRIL 4, 2017**

Copies of all communications are available at the
Butte County Department of Water and Resource Conservation
308 Nelson Avenue
Oroville, CA 95965

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Wednesday Update*Feb. 28, 2018*

This weekly electronic newsletter is designed to keep you current on California Water Plan news. We welcome comments, suggestions, and any news tips that may be of interest to water planners.

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DWR director to deliver keynote address at California Water Policy Conference

DWR Director [Karla Nemeth](#) will be the keynote speaker for the opening session of next month's [California Water Policy Conference](#) in Davis. Under the theme, "Water We Gonna Do?," the two-day conference will provide a forum to share ideas on solving California's water supply problems. The conference will be March 22 and 23.

Groundwater Resources Association to host first Western Groundwater Congress

The inaugural [Western Groundwater Congress](#) will be Sept. 25-27, in Sacramento. This event replaces the annual conference for the [Groundwater Resources Association](#). It will focus on groundwater quality and resources. [Abstracts](#) for presentations during the congress will be accepted through March 9.



Groundwater
Resources
Association
of California

White paper offers details on using recycled water for landscape irrigation

[WateReuse California](#) and the [Southern California Salinity Coalition](#) have [released a white paper](#) that offers a calculation for using recycled water to irrigate landscape. [The report](#) is designed to provide guidance for reducing the negative effects of salinity on plants and soil when using recycled water for landscape irrigation.

A desert field trip will highlight biodiversity council's spring meeting

The Mojave Desert will be the site for the California Biodiversity Council's [spring meeting and field trip](#). It will be April 12 and 13. The first day will include a plenary meeting. The second day will be a field trip near Twenty-nine Palms and Joshua Tree to learn about the ecology and conservation efforts in the Mojave.



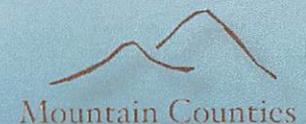
California Biodiversity Council

California Water Boards accepting abstracts for annual science symposium

[Abstracts](#) are being accepted for this year's [California Water Boards Science Symposium](#). The annual event looks at ways to enhance water quality monitoring to generate data for water quality management decisions. This year's theme will be "Adapting in the Face of Disruptive Landscape Change." The deadline for submitting abstracts is March 19. The symposium will be June 20 and 21, at the Cal EPA building in Sacramento.

Innovative water technology to be discussed at next month's Auburn workshop

A [workshop on innovative water technology](#) will be held Friday, March 23, in Auburn. The event is being hosted by the [Mountain Counties Water Resources Association](#). It will begin accepting RSVPs in the coming weeks. Details will be available on the event webpage.



Mountain Counties

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Wednesday Update



March 7, 2018

This weekly electronic newsletter is designed to keep you current on California Water Plan news. We welcome comments, suggestions, and any news tips that may be of interest to water planners.

DWR receives 2018 Climate Leadership Award for greenhouse gas reduction

DWR has been named as [one of the recipients](#) of the [2018 Climate Leadership Awards](#). Presented at the Climate Leadership Conference by the [Center for Climate and Energies Solutions](#), and [The Climate Registry](#), the award recognizes DWR's reduction in greenhouse gas emissions. This is the third time in four years that DWR has received the award.



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CWC posts appeals from Water Storage Investment Program applicants

Documents have been posted related to the appeal process for the California Water Commission's (CWC's) [Water Storage Investment Program](#). Program applicants were allowed to appeal the [public benefit ratios](#) that CWC staff had awarded to each project. The appeals and related documents are available on the program's [project review portal](#). They can be found by clicking on the "Link to Application" for each applicant.

WaterReuse annual conference to be held this month in Monterey

[Registration](#) is open for this month's WaterReuse [California Annual Conference](#). It will be March 25-27, in Monterey. The program includes information on potable reuse, and some of the latest strategies for recycled water projects and programs.



Water reuse and integrated planning conference on tap for May in Atlanta

Atlanta will be the site of this year's [Water Research Foundation Conference on Advancing Reuse and Integrated Planning](#). This conference is designed to help communities prepare for the future through innovative approaches to manage water resources. It will run May 6-8.



Southern California symposium will offer the latest in water technology

The latest in water technology will be discussed during the [Emerging Water Technology Symposium](#) on May 15 and 16, in Ontario. It will cover information that applies to water distribution, water efficiency, and plumbing. Early bird [registration rates](#) will be available through Thursday, March 15.

Energy commission report recaps 2017 EPIC funding for clean energy technology

The California Energy Commission has released the [Electric Program Investment Charge \(EPIC\) 2017 Annual Report](#). The program provides funding for investments in clean energy technologies. The report outlines the status of 268 EPIC projects that were active or completed during 2017.



Butte County groundwater levels need more wet years

By: Steve Schoonover, March 7, 2018

Oroville >> Last year's wet winter raised groundwater levels in Butte County an average of 5 feet by last spring.

Unfortunately we need several wet winters in a row to recover from previous declines.

That news was delivered to the county Board of Supervisors last week. In a report on the 2016-17 water year prepared by the county Department of Water and Resource Conservation, Christina Buck, the district's assistant director, called the increase "a very welcome bump in groundwater conditions." She said it would be helpful going into what looks like another dry year.

She told the board there are an array of private wells and wells drilled specifically to monitor groundwater levels, and they are checked four times a year in cooperation with the state Department of Water Resources.

Buck said the spring-to-spring comparison was most useful.

What's been found since 2004 was a steep drop in the groundwater level in the Durham area, with smaller drops around Chico and Palermo. Most of the south county has stayed pretty stable.

The rainfall from late 2016 to early 2017 produced "significant" increases in the areas where water levels were down the most, but not as much change in the other areas.

She gave the example of a domestic well on Durham-Dayton Highway where the water level was up 7.4 feet from March 2016 to March 2017. But that's still 16 feet lower than spring 2004.

By comparison, a well in the Western Canal District has only seen fluctuation of a foot or so over all that time.

There are a number of wells in the county that are at "alert stages," which Buck said means they're at or near their historic lows.

"One wet year brought us up quite a bit," she told the board, "but we really need multiple wet years to bring us out of this decline we've seen."

Subsidence

Buck also brought the good news that no "inelastic land subsidence" had been detected in Butte County.

Subsidence is when the ground level drops as water is pumped out of it. With rainfall, the aquifer can be restored and the ground level can rise again. But when too much water is removed, the soil can become so compacted that it will no longer absorb water. Any subsidence becomes permanent.

That's a growing problem in the San Joaquin Valley, where ground levels have dropped as much as 20 feet and stayed there. That's affected canals and other infrastructure and is becoming very expensive to fix.

Buck said ground level changes are measured in Butte County by three extensometers. DWR has just conducted a more comprehensive survey of the entire Sacramento Valley, and the county is waiting to see those results.

The full groundwater status report and other data are available on the Department of Water and Resource Conservation website at www.buttecounty.net/waterresourceconservation.

Reach City Editor Steve Schoonover at 896-7750.

State water savings dip close to zero in January

By: Staff Reports, March 8, 2018

Sacramento >> Water conservation in California has dribbled down to all but nothing as of January, but locally, we're doing much better.

The State Water Resources Control Board reported Tuesday that statewide water savings were just 0.8 percent in January compared to January 2013, the benchmark pre-drought year.

By comparison, the California Water Service Co. Oroville Division reported a 40.8 percent reduction in water use compared to 2013. That was the seventh best conservation rate in the state.

The Del Oro Water Co. posted a 30 percent reduction, and Cal Water's Chico Division came in at 28.4 percent.

The Paradise Irrigation District had savings of 18.3 percent, and Cal Water's Willows Division saved 6.7 percent.

Local savings were generally better than the Sacramento River watershed as a whole, which saved 8.2 percent. The South Coast used 3.8 percent more water in January compared to 2013.

Other north valley city savings included Marysville at 19.7 percent, Red Bluff at 11.5 percent, Yuba City at 10.4 percent and Redding at 7.9 percent.

Of the 372 agencies reporting water use, 135 used more water this year than in 2013. Only 109 agencies had savings greater than 10 percent, and they only serve 5.3 million of California's 39 million people.

Statewide water use was 71.1 gallons per person per day.

In Oroville the figure was 48 gallons per capital per day, with 56 gallons in Del Oro, 61 gallons in Chico, 63 gallons in Willows and 72 gallons in Paradise.

Savings have been dwindling steadily since mandatory conservation targets were dropped last spring. The statewide conservation rate in December was 2.8 percent.

The water board had considered making some emergency water conservation rules permanent at a meeting last month, but were dissuaded from doing that by the water agencies.

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WATER PLAN eNEWS

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Wednesday Update



March 14, 2018

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SWRCB to host water affordability symposium and webcast in April

A [Water Affordability Symposium](#) and webcast will be hosted by the State Water Resources Control Board (SWRCB) on Thursday, April 5, in Sacramento. The [agenda](#) has panel discussions on a number of affordability practices, including some being used outside of California. There is no fee to attend, but [registration](#) is requested.



Webinar will provide demonstration of triple bottom line water planning

An explanation of the triple bottom line (TBL) water supply planning framework will be presented during a [webcast](#) on Wednesday, March 21. [WaterReuse](#) and the [Water Research Foundation](#) will explain the TBL framework and demonstrate the Excel-based TBL tool that has been developed to evaluate water supply options.

Commission to hear presentation on water rights for storage projects

The [next meeting](#) of the [California Water Commission](#) will include a presentation from the [State Water Resources Control Board](#)

California
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on the types of water rights likely to be needed for water storage projects, including the procedures for obtaining or changing rights permits. The meeting will be Wednesday, March 21, in Sacramento. Commissioners will also receive a presentation on the draft text for its 2017 State Water Project Review.

CFCC 2018 funding fair schedule begins with a stop in Sacramento

The [California Financing Coordinating Committee](#) (CFCC) will host the first of its [2018 funding fairs](#) on Wednesday, April 4, in Sacramento. The fairs provide information on infrastructure grant, loan, and bond financing programs and options. [Five other fairs](#) will be held throughout the state later in the year.

Water bond on November ballot will be discussed during three workshops

The Mountain Counties Water Resources Association will host [three workshops](#) on Tuesday, April 10, to discuss the [California Water Bond of 2018](#). The bond is on the November ballot. It would invest \$8.8 billion in the state's water infrastructure. The one-hour workshops will be held in Auburn, Placerville, and San Andreas.

Results posted from annual state survey on local planning activities

The [Governor's Office of Planning and Research](#) has released the [2017 Annual Planning Survey Results](#). It provides California's cities and counties with the latest information on local planning activities and the status of general plans. There is also an overview of transportation, land use, climate action planning, and water conservation issues.



Butte working on structure for required groundwater plan

By: Steve Schoonover, March 20, 2018

Oroville >> The process of developing plans to protect the water beneath Butte County is underway, but in the very preliminary stages.

The plans are required by a state law approved in the height of the drought. It was motivated by cases in the San Joaquin Valley where excessive pumping had drained the aquifer to the point that wells that provided household water in a number of communities were going dry.

With the water removed, the land surface was dropping in places — a process called subsidence — and the resulting compaction can be dense enough to prevent the soil from ever holding water again.

The situation was not as bad locally, as reported in this newspaper March 7.

But the Sustainable Groundwater Management Act still applies here, and requires plans to maintain local groundwater levels and quality.

The law gave local agencies the power to develop their own plans, subject to approval by the state. The state retained the right to impose plans on basins that didn't come up with a plan, or came up with one that was unacceptable.

"Their intervention is going to be not very sophisticated, it's going to cost a lot of money and it's going to be very disruptive," county Water and Resources Conservation Director Paul Gosselin told the Board of Supervisors last week.

"The intent is to keep the state out."

But as city and county governments and water districts have been meeting to figure out the best way to do that, two issues have emerged.

One is determining what entity will draft and administer the required groundwater sustainability plans.

Each of the basins that a plan must be prepared for have several agencies with land use or water authority. All want a say in the plan.

Gosselin said the experience in the San Joaquin Valley — which has tighter deadlines than Butte County because conditions are worse — suggests setting up a joint powers authority is the way to go.

It would be something like the Butte County Association of Governments, which has representatives of the county and all the cities on its board.

The new groundwater sustainability agencies would have representatives of the county, and cities and water districts in the respective basins. The county has also set up a Groundwater Pumpers Advisory Committee to give a voice to people who use groundwater but aren't part of a district. They might also have a seat at the table.

Gosselin said some sort of governance plan should be developed by June or early summer.

The second issue involves the boundaries of the groundwater "sub-basins" that each need a groundwater sustainability agency and a groundwater sustainability plan.

The basins cover just the valley floor, and there are currently four of

them. Vina is everything north of Big Chico Creek and extends into Tehama County. West Butte is between Chico Creek and Butte Creek. East Butte is between Butte Creek and the Feather River. And Wyandotte Creek is everything south and east of the Feather River.

Those boundaries split Chico, Oroville and a number of water districts between two basins. That means those agencies would have to work on two plans and participate on two GSA boards.

They'd rather not. Tehama County wants out of the Vina sub-basin as well, and a district in the southwest county wants to join the adjacent Colusa Sub-Basin.

The Department of Water Resources will allow boundaries to be changed, Gosselin said, for more efficiency or scientific reasons.

It appears DWR will be asked to allow the four basins in Butte County be changed into three. The Vina boundary would be changed to encompass Chico, and Wyandotte Creek would include all of Oroville and all of the Thermalito Water and Sewer District. The two basins between would be merged into one.

Gosselin said the hope is to have these issues resolved by summer, which will allow the actual drafting of the plans to begin.

Reach City Editor Steve Schoonover at 896-7750.

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Wednesday Update**March 21, 2018**

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**Comment period extended,
webinar scheduled for progress
report on water data act**

The comment period has been extended for a [progress report](#) on implementation of the [Open and Transparent Water Data Act](#). DWR will be accepting public comments through Friday, March 30. A [public webinar](#) on the act will be held Thursday, March 29. It will include a review of the act's requirements and the latest efforts to implement them.

**California Natural Resources
Agency unveils new Open
Data Platform and Portal**

The California Natural Resources Agency has unveiled a new online source for data on the state's natural resources. The [Open Data Platform](#)



[and Portal](#) provides a variety of information that can be used by the public or government agencies. Data is available in six categories, conservation, energy, oceans, recreation, water, and wildlife.

**Revised transcript for Water
Plan Update plenary panel
discussion posted online**

DWR has released a [revised transcript](#) from last September's Water Plan Update plenary panel session. Session panelists focused on how DWR should engage local and regional stakeholders to build California Water Plan Update 2023. This version of the transcript reflects changes made in response to panelist comments, along with some minor editorial changes.

**The annual EPA
Fix a Leak Week
runs through Sunday**

The U.S. Environmental Protection Agency's (EPA's) annual [Fix a Leak Week](#) runs through this Sunday, March 25. The event website has information on detecting and fixing home water leaks. An estimated 10 percent of homes in the U.S. have leaks that waste at least 90 gallons a day.



**Online survey available
to help determine the
future direction for CIMIS**

DWR is conducting an [online survey](#) on the economic and social benefits of using the [California Irrigation Management Information System](#) (CIMIS). For more than 30 years, CIMIS has provided data from weather stations across the state to assist irrigators in managing water resources. The survey responses will shape the future direction of CIMIS.

**Updated report provides
guidance for including sea level
rise in planning decisions**

The Ocean Protection Council has adopted the 2018 update of the [State of California Sea-Level Rise Guidance](#). It provides information to help government agencies incorporate sea level rise into their planning decisions. Details are available in this [news release](#).

**Renewable energy data
portal will be discussed
at next week's webinar**

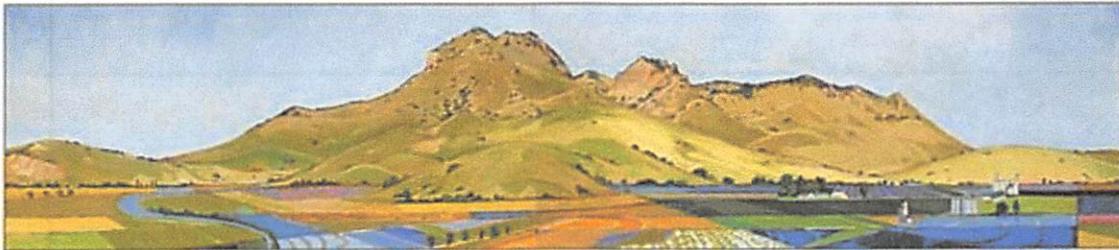
A data portal that provides information on clean energy in California will be the subject of a [webinar](#) on Thursday, March 29. The portal provides access to science, assessments, and data that has been generated by [The Nature Conservancy's](#) California Chapter. The information includes details on how renewable energy can be achieved without affecting important lands and waters.

Thomas, Autum

From: NCWA <dherrera@norcalwater.org>
Sent: Thursday, March 15, 2018 4:30 PM
To: BCWater
Subject: Week in Review- March 15, 2018

NCWA Week in Review

[View this email in your browser](#)



NCWA Week in Review

March 15, 2018

Court Reverses Decision on Water Rights Fees

A California appeals court ruled on March 2 that the annual fee imposed by the State Water Resources Control Board on water right permit and license holders is constitutional, reversing a lower court decision that determined the fee was an unlawful tax. The case brought by the Northern California Water Association (NCWA), California Farm Bureau Federation (CFBF) and others asserted the annual fee imposed in 2003-2004 constituted an unlawful tax, as opposed to a valid regulatory fee, under Article XIII, Section 3, of the California Constitution (Proposition 13) because it required fee payors to pay more than a de minimis amount for regulatory activities that benefited non-fee-paying rights holders, and further claiming that the fees allocated to the water supply contractors violated the supremacy clause of the United States Constitution because they exceeded the contractors' beneficial interests in the United States Bureau of Reclamation's (USBR) water rights.

The Third District Appellate Court ruled against both claims stating, ". . . the fees assessed on permit and license holders were proportionate to the benefits derived by them or the burdens they placed on the Division."

The decision is the latest in a long-running fight over whether the State Water Resources Control Board's Water Rights Fund fee, imposed to cover part of the costs of the board's Division of Water Rights is unfair.

NCWA and the other parties are evaluating whether to appeal the decision to the California Supreme Court.

New Report Evaluates EcoRestore Actions on Native Fishes in Delta

A new report [*Making the Delta a Better Place for Native Fishes*](#) by Carson Jeffres, Peter B. Moyle, and John Durand, of the Center for Watershed Sciences at the University of California, Davis, and funded by the Orange County Coastkeeper, describes why restoration of native fishes and natural processes is such a challenge in this system. The report follows some general guidelines for restoration projects in the Delta and applies those guidelines with a project evaluation tool to evaluate 26 projects, mostly part of EcoRestore, to provide insights to help determine action items. Included among 17 action items which could be accomplished fairly quickly, that taken together could significantly improve the welfare of native fishes and help to create a novel aquatic ecosystem, is development of a Functional Flow Regime for the Delta.

NCWA Annual Meeting Focuses on Water Management for the 21st Century

This year's NCWA Annual Meeting, March 2nd, provided the near capacity crowd an opportunity to join together to hear a framework of what *Water Management for the 21st Century* will look like. A diverse group of presenters provided fresh thinking and approaches for Sacramento Valley water resources management.

The day began with **Todd Manley** of NCWA documenting the progress on the Sacramento Valley Salmon Recovery Program and its important role in water management in the Sacramento Valley.

Miriam Horn whose book: *Rancher, Farmer, Fisherman*, which has received many accolades and was made into a Discovery Channel film, provided a perspective on resource conservation.



Paul Wenger, Stanislaus County farmer and the former President of the California Farm Bureau Federation for the past eight years, reflected on *California agriculture and the water resources upon which we depend: wondering if our future inevitable?*

E. Joaquin Esquivel, Member of the State Water Resources Control Board, presented his perspective on a 21st Century Regulatory Agency.

Bryce Lundberg, farmer, conservationist, ukulele virtuoso, Vice-President for Lundberg Family Farms and NCWA Chairman, discussed NCWA priorities for 2018 and the importance of progressive water management for the 21st Century.

The day concluded with a spirited overview by **Charlie Bamforth**, the "Pope of Foam," Distinguished Professor in the UC Davis Department of Food Science and Technology, and expert on Sierra Nevada Brewery, about the special role that beer serves in our society.

Water Commission Hears Support of Sites Funding

Also at NCWA's Annual Meeting, **Jim Watson**, General Manager of the Sites Project Authority, provided an update on the Water Commission's initial scoring of Public Benefits Ratio under Proposition 1, which resulted in a determination that the Sites Project provides eligible benefits for recreation, flood control, and water for wildlife refuges, and they requested additional information to be provide in order to determine if there are eligible benefits to salmon and Delta smelt. Providing water to benefit these native

fish species represents the majority of the Authority's funding request. Through the appeal process, on February 23, the Authority submitted additional information to support the benefits to salmon and Delta smelt, a revised calculation of the Public Benefit Ratio and an updated funding request.

At its February meeting the Water Commission heard from Senator Jim Nielsen and Assemblymembers James Gallagher and Kevin Kiley expressing their strong support for water storage funding from the Proposition 1 Bond. Assemblymember Gallagher [in his comments before the Water Commission](#) expressed the importance of projects like the [Sites Project](#) that protect us from future droughts by adding millions of acre feet in water storage.

Wildlife Conservation Board Funds Gray Lodge Project

At its Feb. 22 quarterly meeting, the Wildlife Conservation Board (WCB) approved approximately \$17.9 million in grants to help restore and protect fish and wildlife habitat throughout California. The WCB approval included a \$1,500,000 grant to the California Waterfowl Association for a cooperative project with the California Department of Fish and Wildlife (CDFW) and the U.S. Fish and Wildlife Service (USFWS) to develop water conveyance infrastructure and enhance wetlands on CDFW's Gray Lodge Wildlife Area, located approximately 7.5 miles southwest of the town of Gridley in Butte County.

Some of the 15 approved projects will benefit fish and wildlife—including some endangered species—while others will provide public access to important natural resources. Several projects will also demonstrate the importance of protecting working landscapes that integrate economic, social and environmental stewardship practices beneficial to the environment, landowners and the local community.

Governor Makes Key Appointments

Jennifer Moffitt of Davis, has been appointed undersecretary at the California Department of Food and Agriculture, where she has served as deputy secretary since 2015. Moffitt was managing director at Dixon Ridge Farms from 2005 to 2015. She was an education, outreach and research specialist at the American Farmland Trust from 2004 to 2005, where she was a land projects coordinator from 2002 to 2004. Moffitt is a member of the California Agricultural Leadership Foundation.



Dorene D'Adamo of Turlock, has been reappointed to the State Water Resources Control Board, where she has served since 2013. D'Adamo served as senior policy advisor to Congressman Jim Costa in 2013 and to Congressman Dennis Cardoza from 2003 to 2012. She was legal counsel for Congressman Gary Condit from 1994 to 2003 and a visiting instructor at California State University, Stanislaus from 1992 to 1998. D'Adamo was an associate attorney at the Law Offices of Perry and Wildman from 1992 to 1994 and a policy consultant at DeeDee D'Adamo Consulting from 1991 to 1992. She was legislative director for Congressman Gary Condit from 1990 to 1991 and assistant director at the California Youth Authority from 1988 to 1990. D'Adamo was legal counsel at the California State Assembly Committee on Public Safety from 1986 to 1988 and legislative director for the California State Assembly Assistant Majority Leader from 1985 to 1986. She is a member of the California Partnership for the San Joaquin Valley and served on the California Air Resources Board from 1999 to 2013. D'Adamo earned a Juris Doctor degree from the University of the Pacific, McGeorge School of Law.

Jane Dolan of Chico, has been reappointed to the Central Valley Flood Protection Board, where she has

served since 2012. Dolan has been executive director at the Sacramento River Forum since 2010 and an independent probate referee since 1987. She served as member of the Butte County Board of Supervisors from 1979 to 2011. Dolan was a committee member of the Governor's Advisory Drought Planning Panel in 2000.

William Edgar of Sacramento, has been reappointed to the Central Valley Flood Protection Board, where he has served since 2012. Edgar has been co-owner at Edgar and Associates LLP since 1999. He was contract executive director at the Sutter Butte Flood Control Agency from 2007 to 2012 and a special advisor at McDonough Holland and Allen from 2001 to 2005. Edgar was a member of the California State Reclamation Board from 2001 to 2005 and executive director at the Sacramento Area Flood Control Agency from 1988 to 1992. He served in several positions for the City of Sacramento from 1977 to 1999, including as city manager and assistant city manager. Edgar earned a Master of Public Policy degree in city management from the University of Pennsylvania.

Fran Pavley of Agoura Hills, has been appointed to the California Wildlife Conservation Board. Pavley served as a member of the California State Senate from 2008 to 2016 and of the California State Assembly from 2000 to 2006. She was a member of the Agoura Hills City Council from 1982 to 1997. Pavley earned a Master of Arts degree in environmental planning from California State University, Northridge. This position does not require Senate confirmation and there is no compensation. Pavley is a Democrat.

Peter Silva of Jamul, has been reappointed to the California Fish and Game Commission, where he has served since 2016. Silva has been president and chief executive officer at Silva-Silva International since 2011. He was assistant administrator for water at the U.S. Environmental Protection Agency from 2009 to 2011, senior policy advisor at the Metropolitan Water District of Southern California from 2005 to 2009 and a member of the State Water Resources Control Board from 2000 to 2005. Silva was deputy general manager at the Border Environment Cooperation Commission from 1997 to 2000 and served in several positions at the City of San Diego Utilities Department from 1987 to 1997, including deputy director for water utilities, assistant deputy director for the clean water program and civil engineer. He was a resident engineer at the International Boundary and Water Commission from 1983 to 1987. Silva was an engineer at the San Diego Regional Water Quality Control Board from 1982 to 1983, at the Otay Water District from 1980 to 1982 and at the Los Angeles Regional Water Quality Control Board from 1977 to 1980.

Amanda Bohl of Sacramento, has been appointed special assistant for planning and science at the Delta Stewardship Council, where she has served as manager of meeting services and special projects since 2016. She was economic development lead at the Sacramento-San Joaquin Delta Conservancy from 2012 to 2015, program director at the American Land Conservancy from 2006 to 2008 and a program analyst at the Resources Law Group from 2004 to 2006. Bohl was an independent consultant from 2000 to 2004, project director at the Amador-Tuolumne Community Action Agency from 2001 to 2003, project coordinator at the American Lung Association from 1999 to 2001 and an associate consultant in the Office of Assemblymember Diane Martinez from 1997 to 1999. She is a member of the Sacramento Valley Conservancy Board of Trustees. Bohl earned a Master of Science degree in community development from the University of California, Davis.

Sandra Matsumoto of Davis, has been appointed to the Sacramento-San Joaquin Delta Conservancy. Matsumoto has been associate director for the California Water Program at the Nature Conservancy since 2015, where she was project director from 2004 to 2015. She was project manager at the Los Angeles Community Design Center from 2003 to 2004 and a project analyst at Mintz Levin from 1997 to 1999. She is a member of the Groundwater Resources Association. Matsumoto earned a Master of Business

Administration degree in finance from the University of California, Los Angeles Anderson School of Management.

2018 Water Board Data Fair – March 30, 2018 – Sacramento, CA



On March 30, 2018 in Sacramento, CA, from 9 AM., to 3:30 PM, the Water Boards' Office of Information Management and Analysis (OIMA) will be hosting the 2nd Biennial Water Board Data Fair. The goal of this "open house" is to share and discuss the data and data systems with in the Water Boards data community, including those who have to report it, those who just consume and use it, and everyone in between. This year

water-technology partner, [ImagineH2O](#), will be bringing some of their colleagues and innovators to the event.

The role of OIMA is to help us turn our data into information, and make this data and information more accessible to all, across the programs and offices of the Water Board. These events are designed to engage internal and external partners in conversations about the Water Boards data – how it is collected, how it is stored, where and how to access the data, and how it informs water resource management questions. For more information or to register please visit [here](#).

2018 California Water Boards Science Symposium – June 20-21, 2018 – Sacramento, CA

The Water Board's Surface Water Ambient Monitoring Program (SWAMP) is hosting the 3rd Annual Data Science Symposium on June 20-21, 2018 in Sacramento, CA. This year's symposium will address the theme of *Adapting in the Face of Disruptive Landscape Change*. Presentations and posters will describe how to collect, manage, and communicate monitoring information in anticipation of landscape change in response to long-term drivers such as climate change, population growth, and land use change, as well as rapid drivers such as fires, droughts, and floods. The following subject areas will be a focus of the 2018 symposium:

- Historical Ecology - What can history tell us about relationships between land use and water resources as urban, suburban, peri-urban and rural landscapes have changed over time in CA?
- Climate Change as a driver in water resource management.
- Cannabis as a new driver in water resource management.
- Contaminants - The impacts on water resources of emerging contaminants, legacy contaminants, contaminants from fires, and contaminants from other sources; new methods for monitoring.
- Proactive Water Resource Monitoring - Are we collecting the right data and generating the right information to manage water resources in changing landscapes?

For more information, including a link to the form requesting abstracts and how to register, please visit [here](#).

For a daily compilation of all the news shaping California water policy visit Aquaforia.

<http://aquaforia.com>



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NCWA News and Events

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