

CSU

The California State University

WATER RESOURCES AND POLICY INITIATIVES

6th Annual Conference

June 16-17, 2014

San Francisco, CA

www.calstate.edu/water





The California State University

WATER RESOURCES AND POLICY INITIATIVES

Vision

The Water Resources and Policy Initiatives (WRPI) will help achieve a long-term, sustainable water supply for California through education, research, and policy development while balancing the needs of urban, agricultural and environmental concerns.

Mission

The Water Resources and Policy Initiatives will link the capabilities and resources within the 23 California State University campuses to provide academic preparation, applied research and policy development that addresses all aspects of water use. WRPI optimizes and links the many centers and programs of excellence within CSU on water issues. The scope of WRPI activities include:

- Provide critical faculty and staff-based expertise to support California's need for appropriate and sustainable water resources in the 21st century;
- Promote education, training and professional capacity development with the water industry, governmental agencies, and the wider community;
- Develop new and advanced water technologies and services that will help drive economic development and job creation.

WRPI will also enhance the universities' ability to attract exceptional students and faculty by providing a culture of collaboration and innovation within a multi-disciplinary water curriculum.

Key Goals

The goals listed below support the key elements in the WRPI mission. The goals reflect the CSU comparative advantage in addressing current and emerging statewide water issues. WRPI will be a leading resource for:

Partnerships with the water industry and government agencies – WRPI will engage a broad group of water industry stakeholders and government agencies to leverage university resources to pursue the development of “good science” from which to base decision making and emerging water policy.

Education, training and professional capacity building – WRPI will raise awareness on careers in water and develop academic pathways for the next generation of professionals to meet the needs of businesses, government officials, tribal nations, water professionals, and the general public through outreach and training programs, professional capacity building, university curriculum development, and formal post-secondary and graduate education.

Technology and economic development – WRPI will provide a strong science base and business development support to help commercialize new ideas in water industries, services and professions in California. The outcome will be a creative climate of innovation, furthering economic growth in water technology.

WRPI Annual Conference Agenda

June 16, 2014

San Francisco State University, Seven Hills Conference Center

"Water resiliency: an integrated approach from the top of the watershed to the tap and beyond."

8:00 am	Conference Registration and Continental Breakfast	
9:00 am	Welcome	Provost Sue Rosser, SFSU
9:15 am	Conference Overview	Boykin Witherspoon Executive Director, WRPI
9:45 am	Quick Introductions Name, Affiliation and Interests	All
10:15 am	Key Note Presentation <i>Delivering Water Supply in the 21st Century: Water Utility Trends and Challenges</i>	Ed Means, President Means Consulting LLC
11:15 am	Lunch	Nob Hill Room
12:00 pm	Student Poster Session	Coit Lounge
1:00 pm	CSU Faculty Presentations - Richard Gersberg, San Diego State University <i>To San Diego's Tap: Water Wars and the Life and Death of the Salton Sea</i> - Shiko Njuno, California State Polytechnic University, San Luis Obispo <i>Crop Productivity Indexing Tool using ArcGIS</i>	Nob Hill Room
1:50 pm	Network	Coit Lounge
2:00 pm	Agency Presentations - George Tchobanoglous, Professor Emeritus University of California, Davis <i>Direct Potable Reuse: Current Projects and Activities</i> - Lance Eckhart, Mojave Water Agency <i>Integrated Regional Water Plans and Disadvantaged Communities, Bridging the Gap</i> - Rich Juricich and Lewis Moeller, Department of Water Resources <i>California Water - Managing Under an Uncertain Future</i>	Nob Hill Room
4:15 pm	Wrap up and Comments	All
4:45 pm	Conference Adjourn	

Shuttle pick up times from conference to Best Western Plus Lighthouse Hotel: 4:30 pm, 5:10 pm

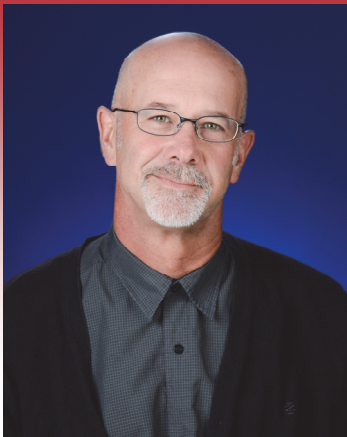
June 17, 2014

Tour

8:30 am	Bus Departs Best Western Plus Lighthouse Hotel
10:00 am	US Army Corps of Engineers Bay Model Visitor Center
11:30 am	Lunch
12:00 pm	Romberg Tiburon Center
Approx. 2:30 pm	Bus Arrives at Best Western Plus Lighthouse Hotel

WELCOME MESSAGE

Boykin Witherspoon III



Executive Director, WRPI

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Dear Conference Attendees:

Welcome to the 6th Annual WRPI Conference! Thank you for taking the time out of your busy schedules to spend the day with us. As my first year of serving as WRPI's Executive Director is wrapping up, I am excited to share what I've learned and to update you on WRPI's activities.

My first impression is that we are living in a critically important time with regards to water. With the Governor's drought declaration and the pending water bond, your expertise in water has never been more in demand and the CSU's capacities are truly a shining star. Water is an all-encompassing arena and we can't look at one area without realizing its impacts on other areas; which is why the Conference Planning Committee and I have come up with our theme: ***Water resiliency: an integrated approach from the top of the watershed to the tap and beyond.***

I encourage you to take advantage of this event by networking and looking for ways to collaborate with old and new colleagues as we work together as the CSU system to solve California's water problems and help lead us to a sustainable future.

I hope you enjoy the Conference and I look forward to meeting you.

Sincerely,

A handwritten signature in black ink, appearing to read "Boykin Witherspoon III".

Boykin Witherspoon III

WELCOME FROM SFSU

Provost Sue Rosser



Provost, San Francisco State University

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ADM, Room 455

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Sue Rosser has served as the Provost at San Francisco State University since 2009. From July 1999 – 2009, she served as Dean of Ivan Allen College of Liberal Arts at Georgia Institute of Technology, where she held the endowed Ivan Allen Dean's Chair of Liberal Arts and Technology. She received her Ph.D. in Zoology from the University of Wisconsin, Madison. She has authored and edited thirteen books and written approximately 130 journal articles on the theoretical and applied problems of women and science and women's health; her most recent book is *Breaking into the Lab: Engineering Progress for Women in Science* (NYU Press: 2012). She has held several grants from the National Science Foundation (NSF), including from 2001-2006 serving as co-PI on a \$3.7 million ADVANCE grant, PI on InTEL: Interactive Toolkit for Engineering Learning (\$900,000), and on Bridge to the Future for GIs (\$217,732). She served as a Clayman Fellow at Stanford University (2007-08). She currently serves on the American Association for the Advancement of Science (AAAS) Executive Board, 2010-14.

KEYNOTE SPEAKER

Edward G. Means



President, Means Consulting LLC

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Mr. Means is Vice President with Malcolm Pirnie, Inc. He has over 34 years of experience, including 18 years in the public sector with the Metropolitan Water District of Southern California, in roles including Water Quality Laboratory Manager, Director of Water Quality, Director of Resources, Chief of Operations, Chief Operating Officer, and acting General Manager. He is deeply knowledgeable in water quality and water resources development and has worked for many of the large water agencies in the U.S. He is a skilled facilitator having managed over a dozen complex facilitations including indirect potable reuse stakeholder discussions in San Diego, utility regionalization forums in Denver and energy water research plans for the California Energy Commission/Water Research Foundation.

He speaks regularly on water utility trends and management issues. He is the author of two books: "Watercourse: Navigating Your Utility's Future" and "A Strategic Assessment of the Future of Water Utilities" and is contributor to two others: "Excellence in Action: Water Utility Management in the 21st Century" and "The Business of Water." He has published more than 100 articles in industry journals on water resources, management, and quality issues.

GUEST SPEAKERS

CSU Presentations



Dr. Richard M. Gersberg

Professor of Graduate School of Public Health
San Diego State University
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Dr. Richard M. Gersberg is currently a Professor (and Head of the Division) of Environmental Health in the Graduate School of Public Health at San Diego State University (SDSU). He has an M.S. degree in Biology, and a Ph.D. degree in Microbiology from the University of California, Davis. Dr. Gersberg specializes in water quality research, and has broad experience working with both chemical and microbiological pollutants and ecological and human health risk assessments. He has over 80 scientific publications in these areas. Dr. Gersberg has conducted a number of studies on the detection, quantitation, and risk posed by pathogens and chemicals in receiving waters, estuaries and the ocean, including the Tijuana Estuary, the Venice Lagoon, Italy, San Diego Bay, the Straits of Juan de Fuca, and the Salton Sea, CA. He has participated in a number of a number of water-quality and risk assessment projects on the Salton Sea, and was a member of the technical panel for the State Department of Water Resources that selected the current restoration alternative for the Salton Sea.



Shiko Njuno

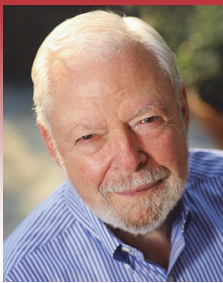
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Shiko Njuno is a graduate student at Cal Poly San Luis Obispo and currently works as a student assistant to both faculty and project managers at the Irrigation Training and Research Center on campus. She received her undergraduate degree in Civil Engineering from the same institution in 2008, after which she served as an Engineering Technician at City of Cotati's Water and Sewer Department. As a young professional in the water resources field, Shiko continues to pursue further education and experience by participating in a variety of local and international causes that are focused on water supply, treatment, and conservation. She has volunteered with Lifewater International, a non-profit water development organization based in San Luis Obispo that works around the world to eliminate Water Sanitation and Hygiene (WASH) related issues, particularly in many developing nations around the world. She is passionate about serving her community while protecting the environment and its resources.

GUEST SPEAKERS

Agency Presentations

**George Tchobanoglous**

Professor Emeritus, University of California, Davis
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For over 35 years, George Tchobanoglous taught courses on water and wastewater treatment and solid waste management at UC Davis, where he is Professor Emeritus in the Department of Civil and Environmental Engineering. His research interests are in the areas of wastewater treatment and reuse, wastewater management for small and decentralized wastewater systems, and solid waste management. He has authored or coauthored over 500 publications, including 22 textbooks and 8 reference books. He has given over 500 presentations. In 2004, he was inducted into the National Academy of Engineering. In 2005, he received an Honorary Doctor of Engineering degree from the Colorado School of Mines. Tchobanoglous received a B.S. in Civil Engineering from the University of the Pacific, an M.S. in Sanitary Engineering from UC Berkeley, and a Ph.D. in Environmental Engineering from Stanford University.

**Lance Eckhart**

Principal Hydrogeologist, Mojave Water Agency
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Lance Eckhart is the Principal Hydrogeologist for the Mojave Water Agency (State Water Contractor) and has been with the Agency since November 2001. Mr. Eckhart has worked in the public and private sectors during his approximate 20 years of experience in Water Resources management. Prior to his employment at Mojave Water Agency, Mr. Eckhart worked for a variety of consulting firms focusing on groundwater remediation and assessment. His responsibilities include leading a team of scientists, engineers, data analysts, technicians and planners to manage the water resources for the approximately 5,000 square mile MWA service area. Examples of duties include directing work associated with major technical studies, monitoring programs and planning documents in order to understand and make recommendations on the management of the water resources and related issues within the region. Recent major works have consisted of the project management of the Urban Water Management Plan, the Integrated Regional Water Management Plan/Salt and Nutrient Management Plan, Groundwater Management Plans, Basin Conceptual Models and direct input regarding water policies for the region. Mr. Eckhart received his Bachelor of Science degree in Geology and a Master of Science degree in Environmental Science from California State University, Fullerton. He is a licensed Professional Geologist and Certified Hydrogeologist in the State of California.

**Rich Juricich**

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rich.juricich@water.ca.gov

Rich Juricich is a Principal Water Resources Engineer and is part of the California Water Plan Update team and manages the Integrated Data & Analysis Branch, leading the Department's efforts to integrate water management planning and analysis including maintaining SWAN, the

Statewide Water Analysis Network, a group of technical experts from State, federal, local and non-governmental organizations formed to build consensus around the development of analytical tools. He has worked at DWR for over 19 years, which has included assignments working on DWR's initial CALSIM water management system planning model development and working with local agencies to develop conjunctive management programs. Rich has a Master of Science Degree from UC Davis in Hydrologic Sciences, and he has a Bachelor of Science Degree from Humboldt State University in Environmental Resources Engineering. He is registered as a Professional Civil Engineer in the State of California.

**Lewis Moeller**

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Lewis Moeller is Chief of the Water Resources Evaluation Section, Division of Statewide Integrated Water Management, with the DWR. Mr. Moeller is also the

project manager for Update 2013 of the California Water Plan. Previously, Lewis worked for over twenty years with the State Water Resources Control Board in a variety of roles associated with both water rights and water quality.

California Department of Water Resources

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Attendees

Andrea Achilli

Assistant Professor
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Andrea Achilli is an Assistant Professor in the Environmental Resources Engineering Department at Humboldt State University. His research focuses on membrane contactor processes and hybrid systems for desalination and water reuse, membrane separations in environmental applications, renewable and sustainable energy systems, and biological processes for water and wastewater treatments. Prior to this appointment, he had been a postdoctoral researcher in the Department of Civil and Environmental Engineering at the University of Nevada, Reno from 2009 to 2012. He holds a Ph.D. in Civil and Environmental Engineering from the University of Nevada, Reno and a B.S. degree and a M.S. degree in Environmental Engineering from the University of Ancona, Italy.

Stephen Anderson

Student
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At CSUB, my studies in geology have emphasized geologic mapping, including ArcGIS, and geochemistry. I am currently working on a United States Department of Agriculture internship under the direction of the CSUB Geology Department head, Dr. Janice Gillespie. The project involves creating a 3D visualization of groundwater salinity in the southern San Joaquin Valley to support the US EPA's goal of protecting underground sources of drinking water.

April Aquino

Student
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I am a third year undergraduate student at Cal Poly Pomona and am majoring in Animal Science. I plan to attend veterinary school and focus on food animal veterinary medicine. I am interested in research and have participated in conducting an undergraduate study on campus. Also, I was accepted into the McNair Scholars Program on campus so I look forward to working with faculty. I am interested in attending this conference because I will begin the WRPI Watershed Management Internship in the summer and would like to learn about the Water Resources and Policy Initiatives.

Pitiporn Asvapathanagul

Assistant Professor
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Dr. Asvapathanagul is an assistant professor in the Department of Civil Engineering and Construction Engineering Management, California State University Long Beach. Her research and teaching area is environmental engineering. Her research interests of specialization are environmental microbiology, water and wastewater microbiology as well as molecular biology. Dr. Asvapathanagul engages culture based and molecular techniques to improve the understanding of microbial activities in the environment and biological water reclamation processes.

Augustine Awwunudiogba

Assistant Professor of Geography
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Augustine Awwunudiogba is an Assistant Professor of Geography in the Anthology, Geography & Ethnic Studies Department at California State University Stanislaus. Austin is a fluvial geomorphologist with research and teaching interests in soils and water conservation, human-environment interactions in watersheds, and the application of geospatial technology in modeling of watershed processes. He is currently conducting a study on the dynamics of riparian vegetation and floodplain geomorphology in the Lower Tuolumne Watershed.

Jeff Baldwin

Associate Professor
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I am an Environmental Geographer. I have published research on coastal environmental impacts of tourism development in Antigua in the Caribbean. I have also published several papers on environmental ethics concerned with clarifying our interrelationships with our living environment. My current research has focused upon beaver re-colonization in the American West as a means of restoring stream function, form, and habitat, and as a way to cache winter precipitation and maintain summer stream flows as climate change continues to drive snowpack reduction.

Nicole Barnhart

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Mrs. Barnhart joined the team at CSU San Bernardino's Water Resources Institute (WRI) in March 2013. Her administrative skills are an integral part of the institute, as well as the WRPI. Mrs. Barnhart has responsibility for monitoring the interns on the multiple internship programs, payroll and reimbursement processing, creating marketing material, and event planning. She has a gift for helping others, paying attention to detail, and graphic arts. Her true passion is in music, but she has also enjoyed her 10+ years in the administrative field in addition to running two successful businesses.

Dirk Baron

Professor of Geology
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Dr. Dirk Baron is a Professor of Geology at CSU Bakersfield. His expertise is in Hydrogeology and Environmental Geochemistry. Current research includes the behavior of toxic trace elements such as Arsenic in groundwater and the geochemical impacts of proposed geological carbon sequestration projects in the San Joaquin Valley. He also has a long-standing interest in Geoscience Education and K-12 outreach and is the principal investigator for a current National Science Foundation grant to support Honors Geology classes at high schools.

Steve Blumenshine

Biology Professor
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I have been at CSU Fresno since 2001 as an aquatic ecologist. I've been active in a number of WRPI programs as well as COAST (Council on Ocean Affairs, Science and Technology). I currently have a very active research program with 1 million dollars in funding and 13 students in my lab. I always welcome new collaborations.

Alejandro Bustamante

Student
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Alejandro Bustamante is an undergraduate student at CSU San Bernardino and an intern at the Southern California area office of the Bureau of Reclamation. He is a Biology major working on his B.S. and is waiting to graduate in order to work as a hydrologist at Yuma Arizona Bureau of Reclamation area office.

Oscar Bustos

Student
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I am an intern with Watershed Management Experiential Learning for the USDA Careers internship program. I am in my fourth year at Cal Poly Pomona studying Civil Engineering with hopes of working in a field related to watershed management or forest services.

Florence Cassel S.

Soil-Water Scientist/Faculty
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Florence Cassel S. is a Soil and Water Scientist with the Center for Irrigation Technology and Adjunct Faculty with the Department of Plant Science at CSU Fresno. Dr. Cassel's work focuses on optimizing water and fertilizer use efficiency in vegetable and fruit cropping systems. Her research also involves the applications of GIS and remote sensing to assess soil salinity, canal seepage and crop evapotranspiration. Dr. Cassel teaches Soil-Water Management and Laboratory Technique classes. She serves on graduate thesis, research, and conference committees, and has published journal articles and book chapters related to soil salinity and soil-water relations.

Sharon Chand

EEO Specialist, Office of Civil Rights
US Environmental Protection Agency
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Sharon Chand has been an Equal Employment Opportunity (EEO) Specialist in the Office of Civil Rights, at Environmental Protection Agency (EPA), Region 9 in San Francisco since September 2013. Before coming to EPA, she worked at various non-profit organizations in employment services. Her specialty was working with underrepresented populations that face multiple barriers to employment, while doing outreach to employers to help them meet corporate diversity goals. Sharon has a Bachelor's degree in Business Marketing from San Jose State University. She has also earned certifications as a

Professional in Human Resources, Certified Workforce Development Professional, and Certified Employment Support Professional.

Michael Cohen

Associate Professor
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In my laboratory we study a diverse array of environmental microbes and plant associates. Three water-related projects are: (1) Development of sustainable systems for concomitant bioremediation and bioenergy production. A multi-year project determined the capacity of channelized wetland scrubbers to remove residual nutrients and other pollutants from treated municipal wastewater and optimized anaerobic digestion of the harvested wetland biomass, mixed with agricultural by-products to produce methane gas. (2) Resolving the mechanism of rapid root abscission in the floating water fern *Azolla*. (3) Application of molecular source tracking of waterway fecal contamination.

Matthew Cover

Associate Professor of Biology
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As Associate Professor of Ecology and Director, Ecology and Sustainability M.S. Program, Department of Biological Sciences at CSU Stanislaus, the common theme of my research is the effects of hydrologic and geomorphic processes (landslides, debris flows, drought, sedimentation, wood debris) on stream ecosystems, with a focus on the diversity and biogeography of aquatic insects and habitat for salmonid fishes.

John Crockett

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Dr. Crockett received a Bachelor of Arts in Earth and Environmental Science from Wesleyan University, and an M.S. and Ph.D. in Marine Geology from the University of Washington. He lives in San Diego with his wife and two children. Dr. Crockett maintains an active role in education and research and is co-author on over 20 professional publications. Dr. Crockett is an Adjunct faculty member in Geosciences. As Director of Research Advancement, he discharges multiple assignments on behalf of the San Diego State University Research Foundation, all of which center around the RF's mission to promote university research and education.

Suzanne Dallman

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Suzanne Dallman is an associate professor of Geography and Environmental Science & Policy at CSU Long Beach. She teaches a variety of courses related to environmental management, water resources and watershed science. Dr. Dallman's research interests are broadly focused on nature-society relations and the impacts of human development on natural resources. Her recent research is focused on rainwater harvesting and other local water supply sources that may reduce southern California's dependence on imported water.

Jerry Davis

Chair & Department of Geography & Environment
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Jerry Davis (Ph.D., University of Georgia) is a Professor and Chair of Geography & Environment at SFSU. His research focuses on geomorphological field methods, related hydrological processes and biogeomorphic interaction, low-altitude remote sensing such as terrestrial LiDAR, and GIS surface modeling in investigating the response of streams and hillslopes to disturbances, assessment of stream restoration projects, and karst systems. Current projects include sites in coastal creeks impacted by urbanization, the northern Sierran montane meadows impacted by grazing and timber extraction, and the Marble Mountains Karst.

Julianna Delgado

Professor/Associate Dean
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Dr. Delgado is the founder and co-director of the California Center for Land and Water Stewardship at California State Polytechnic University, Pomona, where she is a Professor of Urban and Regional Planning and currently also serves as the College of Environmental Design's Interim Associate Dean. Her water-related research is in the area of water rights, history of acquisition, and watershed restoration and use for recreational opportunities in park poor areas.

Michael DeWall

Graduate Research Assistant
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Michael DeWall is a Research Associate at the Center for Irrigation Technology (CIT) California State University, Fresno where he coordinates project logistics, data collection and analysis. Areas of expertise and research are molecular biology, soil microbial community characteristics, nitrate cycling and soil salinity.

Suzie Earp

Archivist, WRPI
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Suzie Earp has been the Archivist, manager and historian for the Joseph Andrew Rowe Water Resources Archives for the Water Resources Institute at CSU San Bernardino for more than a decade. The Archives hold a wide range of water related materials including historic well records, reports, engineering plans, maps, and unique documents about western water resources. In the last few years she has helped create a collection of historic aerial photographs which are digitized and served online. Numbering well over 35,000 images they range in date from the late 1920's to 2013. This is a rapidly growing collection and will hold over 100,000 images by 2015. Recently she created a new repository of materials about the Salton Sea and surrounding areas at CSUSB's Palm Desert Campus. She is working closely with the Salton Sea Authority on this project to bring greater access of materials to those impacted by the Salton Sea, including researchers, students, and the citizens of the area.

Gina Edwards

Civil Rights Director
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Gina Edwards is the Regional Director of the Office of Civil Rights for the U.S. Environmental Protection Agency, Region 9 San Francisco office. She has a BA in Business Management from St. Mary's College in Moraga, and has worked in Equal Employment Opportunity (EEO) since 1998. The San Francisco Regional office of the U.S. EPA has over 700+ regional staff and managers, and Gina and her staff are responsible for implementing the regional EEO complaint processing, preparing affirmative employment and diversity barrier removal action plans, implementing ten special emphasis programs, managing regional targeted outreach efforts, supporting regional

recruitment efforts, implementing regional Memorandums of Understanding with Minority Serving Institutions, carrying out various diversity initiatives, and training the workforce of EEO, civil rights and diversity.

Sabrina Esquivel

Graduate Student
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I am a graduate student at CSU Northridge. I have been working at the Center for Geographical Studies in the Geography Department for four years on various projects. My first project was working on the Southern California Wetlands mapping project and then I started working on the Basin Plan once I was accepted for an internship through the Water Resources Institute. My focus of study and work has revolved around environmental and water issues and I would like to keep that focus for my thesis.

Karina Estrada

Student
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Born and raised in Los Angeles, my fondness for tall buildings and structures led me to pursue studies at a neighboring school, CSULA in Civil Engineering. I have developed true interest in all civil engineering disciplines, but my passions lie in infrastructure development including water distribution. As a graduating senior in June 2014, my hopes are to pursue a research-based graduate degree where I will further develop my knowledge in my interests whilst contributing to society and the civil engineering industry.

Horacio Ferriz

Professor of Geology
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Professor Horacio Ferriz is the Chair Elect of the Department of Physics and Geology of CSU Stanislaus, where he teaches courses on Water Resources, Hydrogeology, Geophysics, and Applied Geology. He has published a survey paper on Groundwater Resources of Northern California, and is starting a research project on Geophysical Mapping to Evaluate the Condition of Levees in the San Joaquin River.

Jordan Finneseth

Graduate Student
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I attend California State University, San Bernardino. I was awarded the Watershed Management Experiential Learning for USDA Careers internship through the Water Resources Institute, and conducted research that I can present on.

Brad Finney

Professor
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Dr. Brad Finney has over 36 years of research and consultancy experience in surface water and groundwater quality modeling, water resources systems management, wetland wastewater treatment, and wastewater reuse systems. Current research includes (1) developing management models for wetland wastewater treatment, (2) water quality impacts of using tire derived aggregate (TDA) in place of gravel in septic tank leachfields and stormwater treatment systems, and (3) utilizing groundwater models to determine the impact that changes in land use and irrigation practices have on the interaction between surface and groundwater, and for water resources planning in coastal aquifers.

Adam Fleenor

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I am a second year graduate student seeking a Masters in Spatial Ecology at California State University, Stanislaus. My focus is on stream and riparian corridor restoration.

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Emma Freeman is a Research Associate in water policy at the Public Policy Institute of California. She holds a Master's degree in Environmental Science and Management from the Bren School at the University of California, Santa Barbara, and a B.A. in Environmental Studies from the University of Southern California.

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Philip Garone is Associate Professor of History at CSU Stanislaus. His specialization is environmental history, and he has published a book, *The Fall and Rise of the Wetlands of California's Great Central Valley* (University of California Press, 2011), and several articles on the history and ecology of the Central Valley, with an emphasis on wetlands and hydraulic infrastructure. In 2014, he published a co-authored Forum on Climate Change in the journal *Environmental History*. His current book project is on water use issues in the Great Basin, with an emphasis on the basins terminal lakes.

Todd Greene

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I am an Associate Professor of Geology at CSU Chico specializing in stratigraphy/sedimentology who studies aquifer architecture in the northern Sacramento Valley using subsurface data and outcrop analogs. I am a Faculty Board member on the University's Center for Water and the Environment. I recently received an award for the best oral presentation at the Pacific Section American Association of Petroleum Geologists for giving a talk on the Tuscan Aquifer.

Clint Gregory

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I am currently a graduate student at CSU Sacramento. My major is Civil Engineering with areas of interest in Water Resources and Environmental Sciences. My current work is on phosphorous removal in bioretention with engineered soils; this is both my thesis topic and the theme of the poster I am presenting. This poster topic was one of the Provost's award winners for research excellence in the 2014 student research symposium presentations. This work is part of a larger project sponsored by the State of California with Proposition 84 funds.

Jacquelyn Guilford

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Jackie Guilford did her graduate study in Molecular Toxicology at the Pennsylvania State College of Medicine Jake Gittlen Cancer Institute. Her post-doctoral fellowship at the University of Hawaii College of Pharmacy focused on identifying natural products with chemopreventive properties. She has taught Chemistry and Biology courses at Sonoma State University and the Santa Rosa Junior College since 2011. Next fall, she will be teaching Water Technology and Toxicology and also mentor a freshmen cohort that will participate in Sonoma State's "Watershed Year" Freshmen Learning Community.

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Jason is an Assistant Professor of Hydrogeology in the Department of Earth & Climate Sciences at San Francisco State University where he leads the Hydrogeology and Water Resources Research Group. Prior to SFSU he was a Hydrologist for 11 years with the U.S. Geological Survey National Water Quality Assessment program. Jason has authored more than 30 peer-reviewed papers, books, and chapters on groundwater quality, vadose zone and soil-water processes, recharge and contaminant transport, groundwater vulnerability to contamination, including nonpoint-source nitrate, and climate variability and change effects on water resources. He also helps lead two international programs in UNESCO and INQUA on global groundwater, climate change, and paleoclimate signals that advances science, education, and awareness of the effects of climate change on global groundwater resources.

Cristian Hernandez

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I am an upcoming fourth year at CSU Monterey Bay, majoring in Marine Science and minoring in Pre-law. With the assistance and guidance of my advisor Dr. Daniel Fernandez I am focusing my research on Fog Water Collection. We hope to identify, if any, the type of mesh used and the results produced.

Flor Hernandez

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I am a fourth year undergraduate student at the CSU Los Angeles. Throughout my undergraduate career I have become very interested in the water resources branch of Civil Engineering. I am involved with several engineering organizations on campus such as the Society of Women Engineers, the Society of Hispanic Engineering and Science Students, and the American Society of Civil Engineers. I have been on the board of the American Society of Civil Engineers for the past two years as the concrete canoe captain.

Eric Houk

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Dr. Eric Houk is an Agricultural and Resource Economics Professor in the College of Agriculture at CSU Chico. His research focuses on the economics of water allocation and water conservation in the western United States. Specifically, he has examined the economic impacts of water transfers from agriculture for endangered species preservation; the economic effects of irrigation induced waterlogging and soil salinization; and the impact of water conservation efforts on residential water demand. He is currently examining the economic and hydrologic impacts of various water management scenarios in the north state.

Charlotte Hummer

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I am a first year graduate student at San Francisco State University. I am working on my Masters of Arts in Geography, with a concentration in Resource Management and Environmental Planning. I am currently taking my first water resource class, which has inspired me to focus my thesis on urban water management, and has opened my eyes to the grave importance of water in the world, and how important it is to sustainably manage it. The class made me rethink the water resources that have been provided for me throughout my life, and in particular in Sonoma Valley where I was raised. For this particular class I wrote a research paper on groundwater management in Sonoma Valley, California. I look forward to learning more about fresh water resources, and how different communities and cultures perceive water and its availability.

Marianne Jara

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I am a geography student at California State University, Northridge. I am currently working as a GIS Research Assistant for The Center of Geographical Studies.

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I am a student at CSU San Bernardino. I am currently an intern at Pacific Southwest Research Laboratories through the Watershed Management Experiential Learning for USDA Careers internship program. I am also learning and helping with research on ecology in addition to observing fire reports and data in control labs to learn how to better understand forest fire.

John Johnston

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John is a professor of Civil Engineering at CSU Sacramento. He currently splits his time between the Civil Engineering Department and the Office of Water Programs where he provides technical assistance on various projects, primarily associated with urban stormwater quality monitoring and BMP performance.

John Keyantash

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John Keyantash is an Associate Professor in the Department of Earth Sciences, with specialization in hydroclimatology. His research includes quantifying the severity of droughts, and the hydrographic characteristics of large waterfalls. He is interested in discharge statistics—including the timing and volume of spring runoff—and has performed GIS analyses for the spatial distribution of stream gauges in the Sierra Nevada Mountains.

Julie Lappin

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Ms. Lappin serves as the Program Manager for the Water Resources and Policy Initiatives. She manages WRPI's multiple internship programs, including acting as the Project Director on the existing multi-year, multi-million dollar NIFA HSI funded projects. She holds a Bachelor's of Science in Biology from the University of California Riverside and a Juris Doctorate from Franklin Pierce Law Center, at which she focused on intellectual property law. Ms. Lappin has served as the Assistant Director for another CSUSB project, the Office of Technology Transfer and Commercialization, which was a 9 year, multi-million dollar Department of Defense-funded program. She has many successful years of experience in planning, managing, and executing federally funded programs, including working specifically on programs targeting underrepresented students.

Raymond Lee

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I am a graduate student in the Department of Geography at San Diego State University. I am investigating nutrient cycling and development of anoxia in urban water supply reservoirs. In my study of San Diego reservoirs, different mechanisms have led to significant trends in eutrophication. Low hydrodynamic stability increased circulation of nutrients at one reservoir, whereas introduction of fish may have both translocated nutrients and modified plankton community structure at another reservoir. I am currently developing a computer model (CE-QUAL-W2) to simulate effects of climate change on circulation of heat, decay and settling of organic matter, and development of anoxia.

Ramzi Mahmood

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In 2014, Dr. Mahmood was appointed as the Interim Dean of the College of Engineering and Computer Science. Dr. Mahmood was the Civil Engineering Department Chair from 2003 to 2012. He has been the Director of the Office of Water Program (OWP) since 1997. In 1999, he started a research group with the OWP in stormwater runoff from highways and highway-related facilities. Dr. Mahmood joined the faculty of Civil Engineering at CSU Sacramento in 1994. Prior to joining

the University, Dr. Mahmood worked in the engineering field with engineering consulting firms and the Department of Toxic Substances Control (DTSC). He volunteers for UNESCO on developing Quality Assurance system in higher education in Iraq.

Rari Marks

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Rari Marks is a student at Cal Poly Pomona. Her research has looked at the colonization of mycorrhizae on a widespread California native grass and a common invasive grass to determine if colonization was affected by nitrogen fertilization.

Jason Martin

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I am a senior at Cal State Dominguez Hills. I am interested in Water Resources and Policy and will be interning for WRPI this summer in partnership with the US Forest Service.

Tanisha Martin-Chiles

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I'm a senior at SDSU, and am a McNair Scholar and a Triple-Major in Geography, Sociology, and Political Science. I care about people and the environment, and comprehend that they directly impact each other so I can create positive changes in laws. At SDSU's 2012 Student Research Symposium I presented a PowerPoint presentation and won the prestigious Dean's Award. In 2013, I was accepted to Sacramento State University's Spring-Capital Internship Program. I introduced my research and submitted my personal bill AB832(2013). I continued working as a Legislative Aide in San Diego once that program concluded and began the USDA's Natural Resource Conservation Services Fellowship Program.

Valerie Mellano

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Valerie Mellano is Chair of the Plant Science, Agribusiness Management and AgScience Departments. She holds a Ph.D. in Plant Pathology from UC Riverside, M.S. in Plant Pathology from Montana State University, and B.S. in Animal Science from Montana State University. Main interests include agricultural water use quality, water law, and water policy. She is highly interested in increasing the presence of the College of Agriculture's presence in the WRPI and statewide water situation. Currently, she's training numerous students to be in the position to advise agricultural producers on water quality issues and water use, but needs to increase participation drastically to meet the needs.

Saad Merayyan

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My expertise in the area of Water Resources extends into surface water and groundwater systems analysis, design and modeling, and climate change impacts and adaptations. My research focus is on California water system demand, supply, management and adaptation.

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I am currently a graduate student at CSU Monterey Bay enrolled in the Coastal and Watershed Science and Policy Program. For the past year I have been an intern at Elkhorn Slough NERR working for the water quality monitoring program, where I have assisted in experiment design and implementation, water quality sampling, data processing and analysis, and completed an independent project. The objective of my project was to create a user-friendly water quality report card as a simplified representation of water quality data analysis.

Phoolendra Mishra

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Dr. Mishra joined as Assistant Professor of Civil and Environmental Engineering at CSU Fullerton in 2012. He received his Ph.D. in Hydrology from the University of Arizona. His dissertation work on characterizing vadoze zone hydraulic properties on realistic field scales by means of pumping tests was

supported by the Department of Energy. He received several awards including John and Margaret Hershberger doctoral fellowship, Hargis award, Eugene S. Simpson fellow in groundwater, Geosyntec Inc. Best Student Research Paper award, Deutscher Akademischer Austausch Dienst fellowship, and postdoctoral research associate fellowship from the Los Alamos National Laboratory. His research interests span the areas of modeling flow and transport in subsurface, well hydraulics, coupled processes modeling, contaminant source identification, parameter estimation and uncertainty quantification. Dr. Mishra has published numerous research articles in these areas and recently received an exceptional teaching effectiveness award from CSU Fullerton.

Jean Moran

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Dr. Jean Moran is an Associate Professor in the Department of Earth and Environmental Sciences at CSU East Bay. Her research focuses on using naturally-occurring and introduced isotopes to examine geochemical and transport processes in the vadose zone and in groundwater. Over the last 15 years, she has led numerous projects on groundwater vulnerability, fate and transport of nitrate, and groundwater transport near artificial recharge areas under the Groundwater Ambient Monitoring and Assessment project sponsored by the California State Water Resources Control Board. Dr. Moran has a Ph.D. in Geochemistry from the University of Rochester, a Masters degree in Geophysics from the University of Washington, and Bachelors degrees in Physics and Geology from the University of Rochester. She has been an author on more than 40 peer-reviewed publications and was a Groundwater Resources Association of California Board Member from 2006-2011.

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Dr. Leora Nanus is an Adjunct Assistant Professor and Research Scientist in the Department of Earth & Climate Sciences at San Francisco State University. She will be starting as an Assistant Professor in the Department of Geography & Environment at San Francisco State University in August, 2014. Prior to SFSU she was a Hydrologist at the U.S. Geological Survey for 10 years and received her Ph.D. from the University of Colorado, Boulder (2008). Dr. Nanus has authored over 17 peer-reviewed publications on watershed hydrology, atmospheric deposition of pollutants, water quality, biogeochemistry, and GIS.

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I am currently an Agriculture with emphasis in Bioinformatics Graduate Student at Cal Poly Pomona. I have a Bachelors in Electrical Engineering from the same university. I was able to attend graduate school thanks to a full scholarship provided by Still's Lab where I am currently working on the De Novo Assembly of Gerbera Daises.

Stephen Osborn

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I'm an Assistant Professor in the Geological Sciences Department at Cal Poly Pomona. My expertise is in Hydrogeology, Aqueous Geochemistry, and Isotope Geochemistry. My current research investigates shallow groundwater in proximity to oil/gas production. I am also developing research on water resources in the Salton Sea/Coachella Valley and tracing salinity.

Joel Osuna

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I am a CSU Northridge graduate, where I am also and a full time GIS Analyst at the Center for Geographical Studies. My area of expertise is in utilizing GIS to develop datasets, methodologies, and tools for local, regional, and state-wide projects that deal with water resource management, historical ecology, conservation, and transportation. My main interests reflect the projects I work on, with a focus on ecology and water resource management. I have worked at the center for over four years. My publications include: Historical Ecology as a Living Resource for Informing Urban Wetland Restoration (Dark et al., 2012); Historical Ecology of the Ballona Creek Watershed (Dark et al., 2011).

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As a student at CSU Los Angeles with an emphasis in water resources and waste water treatment, I would hope to one day contribute to the distribution of water throughout Southern California. At Cal State LA, I currently hold the position of External Vice-President of ASCE and Public Relations Officer for EERI. I am also an assistant coach for the Muscatel Middle School Science Olympiad team which recently placed 6th at our national competition.

Rupa Purasinghe

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Dr. Purasinghe teaches courses in analysis and design of structures, computer aided design laboratory, senior design project course and finite element analysis. He is also very interested in using interactive course modules via the internet. CSULA Civil Engineering Senior Design Projects received NCEES national awards for Connecting Professional Practice and Education in 2011 and 2010. Dr. Purasinghe's current research interests are in performance-based structural analysis and design, response modification of structures using energy dissipation devices, and application of web-based technology in engineering education.

Laura Ramos

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Laura Ramos is a Program Coordinator for the International Center for Water Technology (ICWT) at Fresno State. She is responsible for completion of deliverables of several grants, monitoring budgets, and event planning. She is also the lead event planning manager for the Water Centers at Fresno State.

Octavio Ramos

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I am a fourth year undergraduate student from Cal Poly Pomona and my major is Civil Engineering. I am currently the Vice President of my school's Civil Engineering Honor Society,

Chi Epsilon and am working on a research internship with WRPI on how rainfall, forest fires, and runoff affect sedimentation in Crystal Lake Campground located in the Los Angeles National Forest.

Amber Schat

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I am soon to be a graduate of the Applied Marine and Watershed Science Masters program at CSUMB. My background is in sustainable agriculture and nutrient management, which has proven useful in my new endeavors in stormwater capture, treatment, and prevention. I have recently gained accreditation in the EPA's Watershed training series. During my graduate studies I helped write two peer-reviewed professional publications: 1) Understanding Stormwater Management Options Using a Water Balance Framework, 2) A Survey of Large Wood on the Carmel River: Implications for Bridge Safety Following San Clemente Dam Removal.

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Maryam Shafahi is an Assistant Professor in Mechanical Engineering Department at California State Polytechnic University. She received her PhD in Mechanical Engineering from University of California, Riverside at 2010. Her research interests are aquaponics, nanofluid heat pipe, drug delivery, bioheat and sustainable energy.

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Ali Sharbat is an Assistant Professor in the Civil Engineering Department at Cal Poly Pomona. His research activities are focused on inland brackish groundwater desalination, electro-dialysis (ED), reverse osmosis (RO), ion-exchange (IX), sustainability, and direct and indirect water reuse. He currently is the principal investigator on a number of membrane treatment research projects and is involved in the Rural Utilities Service project along with other faculty members in WRPI.

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Leonard Sklar is an Associate Professor in the Department of Earth & Climate Sciences at San Francisco State University. Dr. Sklar's expertise is in geomorphology and watershed hydrology. Current research interests include: restoration of aquatic habitat downstream of dams, controls on size distribution of sediments supplied by hillslopes to channels, feedbacks between living organisms and abiotic geomorphic processes, and risk management approaches to climate change.

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Doug Smith is Chair of the Division of Science & Environmental Policy at CSU Monterey Bay. Dr. Smith's research interests and teaching are in the broad areas of geomorphology and river hydrology. He has published in the areas of sediment transport, river restoration, sedimentology, and coastal morphology. His professional focus is applying research to environmental issues involving people, water, dirt, and fish.

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I am an assistant professor at CSU Fullerton. My research areas are diverse, but center around the use of plants to provide clean water and reduce water consumption. I use higher plants to clean groundwater and algae to reduce nutrient concentrations in wastewater.

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Alan Styles is Director of the Certificate of Water Leadership & Management and Chair of the Department of Accounting at CSU San Marcos. Dr. Styles has worked with leaders of the water industry in San Diego county to develop the Certificate Program. He is the Academic Coordinator for the course Sur-

vey of Water Management in Southern California. His research interest includes water accounting and financial reporting for water organizations.

Stuart Styles

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Stuart Styles is Director of the Irrigation Training and Research Center (ITRC) at Cal Poly San Luis Obispo, and is also a professor in the Cal Poly BioResource and Agricultural Engineering Department. He teaches water resources classes for Cal Poly and numerous short courses for irrigation professionals through the ITRC. His current research interests include flow measurement technologies, irrigation system performance and irrigation modernization. Dr. Styles has three decades of field experience in irrigation as a consultant and engineer. He is a Registered Civil Engineer in California with degrees from Cal Poly and a Doctorate in Engineering from UC Davis, California. Dr. Styles has worked on strawberry research for the last five years. He has done extensive work looking at the impact of salinity and reduced water applications on strawberry transplants.

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I have been teaching as Assistant Professor at the Civil Engineering and Construction Engineering Management Department at CSU Long Beach since 2011. I have completed my doctoral study in Water Resources from University of California, Irvine in 2011 and MS degree from Purdue University, West Lafayette in 2006. Since my graduate study at Purdue and UCI, I have been interested in hydrologic and land surface modeling to assess the impact of climate change on hydrologic fluxes.

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Ellen Suryadi is a Program Coordinator for the Center for Irrigation Technology and California Water Institute at Fresno State. She is responsible for compiling budgets for proposals and managing budgets for all incoming grants for CIT, CWI, Plant Science, and Industrial Technology departments.

Vivian Tang

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I am a senior at CSU Long Beach, studying in Civil Engineering. My main focus of study is Environmental Engineering and this past semester, I have been helping as an undergraduate research assistant.

Touyee Thao

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Touyee Thao is a graduate student at CSU Fresno. He is pursuing a degree in Plant Science/Crop Production Management and has strong interest in crop research. Currently he has been working as a Student Assistant with Drs. Dave Goorahoo and Florence Cassel at the Center for Irrigation Technology assisting with numerous projects on salinity assessment and water management. His involvement with Researchers has exposed him to soil and tissue analysis, field management, surfactant and herbicide application.

William Trush

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Dr. William Trush is an Adjunct Professor in the Department of Environmental Science and Management and Co-Director of the HSU River Institute chartered June 2013. He received his Ph.D. at Berkeley under Dr. Luna Leopold. As a river ecologist, he specializes in prescribing instream flows below dams, working with SWRCB and other agencies to develop a cumulative effects policy on instream flows in Northern California, and has been the SWRCB-appointed scientist for Mono Lake since 1995. Through the River Institute, he wants to develop student research internships covering a wide range of water resource issues.

Dessie Underwood

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I am a professor in entomology and the Director of the Stream Ecology and Assessment Laboratory (SEAL) at CSULB. We have been conducting bioassessment for Region 8 of the State Water Boards (Santa Ana and San Jacinto watersheds) since 2006. I provide training for students interested in benthic macroinvertebrate taxonomy, diatom taxonomy, bioassessment protocols (SWAMP SOPs), and stream ecology in general.

Kaomine Vang

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Kaomine Vang is a project manager with good analytical and technical skills who works for the Center for Irrigation Technology (CIT) at CSU Fresno. As a project manager he is involved in the development of water management plans, water-related research, and coordination of educational programs. Kaomine is responsible for the WATERIGHT program, a web-based irrigation scheduling tool free to growers and the public. He is involved in the San Joaquin River restoration project identifying regulatory issues and concerns that growers may have. He co-wrote chapter 16 Conservation and Environmental Protection in Irrigation, Sixth Edition published by the Irrigation Association and was involved in the agricultural water use report published by the CIT. Kaomine also works with the Rural Development Center on campus to help disadvantaged communities with water-related issues.

Dipali Vasadia

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I am a senior at CSU Sonoma and majoring in Biology. My educational interests lie in molecular biology and microbiology. Currently, I am working on a water quality project funded by WATERS, a collaboration between Sonoma County Water Agency and CSU Sonoma. My project is about utilizing species' specific molecular markers to detect sources of fecal contamination in local creek water.

Christine Whitcraft

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Dr. Christine Whitcraft is currently an Assistant Professor in the Biology Department at CSU Long Beach. Her main research interest is in the functioning of coastal wetlands and estuarine communities from a multi-disciplinary perspective

including plant, algae, and benthic invertebrate biodiversity, food web structure, physical environmental parameters, and recently economic perspectives. She teaches a range of ecology classes within the department including a service-learning course in Conservation Biology.

Rhea Williamson

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Dr. Rhea Williamson is Dean of the Office of Research, Economic & Community Development at Humboldt State University. Her past research has focused on the chemical and biological impacts of wastes on water quality and biota. She has written several technical reports for the State of California on the assessment of acid mine drainage, toxicity of cement kiln dust, and the establishment of Total Maximum Daily Loads (TMDLs) for metals, mercury, sediment and other potential contaminants of concern in watersheds. She has developed water quality monitoring plans for contaminants. Dr. Williamson has also developed operator certification training programs for water and wastewater treatment plant personnel.

James Wilson

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I am a senior undergraduate geology student at CSU Bakersfield. I will be graduating at the end of this academic year, once I return from completing my final capstone field geology course in Montana through Indiana University Bloomington. I will also begin the Master's Program in the Fall 2014 quarter at CSU Bakersfield. For the past three years I have assisted in lacustrine research regarding Tulare Lake as a means to reconstruct past lake levels in order to help predict future Southern Sierran run-off.

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After working with engineers, I knew that I wanted to become one. After much thought, I wanted to pursue a career in civil engineering. I feel that they have the most positive impact on society as seen in the infrastructure, buildings, bridges, highways, and water distribution. Currently I am a senior at CSU Los Angeles and my focus is on structural engineering. I am dedicated to my studies and am a permanent member of Al-

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Mr. Witherspoon serves as the Executive Director of the WRPI as well as the Director of Programs for the Water Resources Institute at CSU San Bernardino. His experience includes the administration of all aspects of the management including: strategic planning and budgeting; promotion with community, universities and industry; liaison with advisory boards; program management; development and oversight of contracts and grants; hiring and supervision of staff; and training and publications efforts. Additionally, Mr. Witherspoon is a focused problem solver with international project management experience developing GIS applications and software for sustainable landscape architectural planning and design.

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I am a CSU Monterey Bay graduate student finishing my MSc degree in Coastal and Watershed Science and Policy. My primary focus is water systems management, with special regard for developing nations. I am currently a member of the Coastal Watershed Council's San Lorenzo River Water Quality Working Group, the Coordinator and Lab Manager of Surfrider Foundation's Blue Water Task Force, and I'm currently completing research on fecal bacteria indicator pollution sourcing within the lower San Lorenzo River Watershed. I plan to use my education to increase water quality and quantity locally and internationally.

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Dr. Dilruba Yeasmin joined CSU Fresno's International Center for Water Technology (ICWT), Center for Irrigation Technology (CIT), and California Water Institute (CWI) in June 2013 as a Research Scientist specialized in GIS and Natural Resources Studies. She is working on several projects such as the Tree Root study, Groundwater Recharge and Storage Opportunities in San Joaquin Valley, Campus Farm Integrated Database Development, etc. She is also teaching (part-time) in the Civil and Geomatics Engineering Department at CSU Fresno. Previously, she worked as a Post-Doctoral Research Associate at Energy-Water-Ecosystem Engineering Group, Environmental Sciences Division, Oak Ridge National Laboratory (ORNL). She has published a number of conference papers, peer-reviewed journal paper and several reports from her work at ORNL.

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I am a Masters of Science student studying Environmental Biology at California State University, Los Angeles. I am also pursuing a certificate in Geographic Information Systems (GIS). Currently, I am an intern through the Watershed Management Experiential Learning for USDA Careers program, and working at the Los Angeles Center for Urban Natural Resources Sustainability.

Lynette Zelezny

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Dr. Lynette Zelezny serves as the Provost and Vice President of Academic Affairs at California State University, Fresno. As the Chief Academic Officer at Fresno State she serves over 25,000 students. Dr. Zelezny serves on the President's Cabinet and oversees 1,500 faculty, eight academic colleges as well the Division of Continuing and Global Education and the Henry Madden Library. Dr. Zelezny earned her Ph.D. (1998) in Psychology from the Claremont Graduate University and her M.B.A., with distinction, from Fresno State (2005). She earned a B.A. (1979) and M.A. (1981) in Psychology from Humboldt State University. Dr. Zelezny has published research related to the environment, health, and leadership. As a Professor of Psychology, she taught Statistics, Research Methods, Environmental Psychology, and Social Psychology at Fresno State for

more than 20 years. Dr. Zelezny was also a visiting professor at the University of Stockholm, Sweden in 2001, and received a Fulbright International Education Administrator grant (2012) in Germany. Dr. Zelezny has professional certificates in Management from Harvard University, and in Executive Leadership from the Wharton School of Business. In 2009, she served as an American Council of Education (ACE) Fellow.

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