

Thursday, October 8, 2020

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Fiesta Ballroom I	Fiesta Ballroom II		Fiesta Ballroom III
MAR and Water Resources Management	Southwest Extreme Precipitation Symposium Track		MAR and Recovery Testing, Design and Construction
Moderator - Doug Bartlett, Clear Creek Associates	Moderator - Gary Estes, CA & SW Extreme Precipitation Symposiums		Moderator - Jeff Meyer, Montgomery & Associates
10:30 AM to 12:10 PM	Managing Reservoir Releases to Promote Groundwater Recharge: The Salinas Valley Groundwater Basin, Anthony D. Daus , GSI Environmental, Inc.	A Climate Context for Water Management: Risk Management and Extremes in Arid Southwest, Kathy Jacobs , Director, Center for Climate Adaptation Science and Solutions, University of Arizona, Tucson	New Recovery Wellfield Due-diligence and Design in Southern Arizona, Gary Burchard , Metropolitan Domestic Water Improvement District/ Greg Hess , Clear Creek Associates
	Using Compensated System Conservation to leverage Avra Valley Recharge Project Upgrades, Wally Wilson , Metropolitan Domestic Water Improvement District	Use of Green Infrastructure to Reduce Flood Risk and Water Importation, Thomas Meixner, Ph.D. , Professor and Department Head, Hydrology and Atmospheric Sciences, University of Arizona, Tucson	Improved Site Characterization Tools for Better Basin Design, Don Hanson , Clear Creek Associates
	Long-Term Storage Credits: Analyzing Market-based Transactions for Achieving Water Management Goals in Central Arizona, Rebecca F.A. Bernat , Dr. Sharon B. Megdal and Dr. Susanna Eden, University of Arizona	Mechanisms Driving Cool Season Precipitation Variability in Upper Colorado River Basin, Susan Stillman, Ph.D. , Postdoctoral Fellow, Desert Research Institute, Las Vegas, NV	Measurement of Field-scale Vadose Zone Permeability for Groundwater Recharge Projects, Abra Bentley , Gabriel McGowan, Stewart Smith, Michael Barden, and Marcella Caldwell, Hydro Geo Chem
	Are there Pathogens in Your Drinking Water?, Laurie LaPat-Polasko , Matrix New World Engineering	Forecasting Ridging Related to Precipitation Deficits in Colorado River Basin, Peter Gibson, Ph.D. , Researcher, Center for Western Weather and Water Extremes (CW3E), Scripps Institution of Oceanography, University of California, San Diego	Using Exploratory Borings to Maximize Injection and ASR Well Design, Lauren Candreva , P.G., Senior Hydrogeologist, Montgomery & Associates, Inc.
12:10 PM to 1:30 PM			
LUNCH/AWARDS PROGRAM			
MAR and Recovery and Water Resources Management	Southwest Extreme Precipitation Symposium Track		MAR and Testing, Design and Construction
Moderator - Patrick O'Connell, INTERA, Inc.	Moderator - Forest Cannon, Center for Western Weather and Water Extremes (CW3E), Scripps Institution of Oceanography, University of California, San Diego		Moderator - Gary Gin, Leonard Rice Engineers
1:30 PM to 3:10 PM	Rolling out the Ag-ASR Program at Westlands Water District, Robert Beggs and Ken Worster, Brown and Caldwell, Katarina Campbell, Westlands Water District	Increasing Managed Aquifer Recharge of Stormwater with Forecast Informed Reservoir Operations (FIRO), Adam Hutchinson , Recharge Planning Manager, Orange County Water Agency	Diversifying Your Investigation Portfolio, A Comprehensive Review of Field Investigation Methods for Alluvial Aquifer Recharge Feasibility, Joel Barber PE and Dave Colvin PG, Leonard Rice Engineers, Inc.
	Historical Perspectives and Challenges of Underground Storage Facility Permit Renewals in Arizona, Brittney Bates , Montgomery & Associates, Inc.	Progress Report on California Flood-MAR Program, Ajay Goyal, P.E. , Program Manager, California Flood-MAR, California Dept. of Water Resources	Prediction and Management of Perched Water at a Proposed Managed Aquifer Recharge Facility, Jason Keller , Michael Milczarek, and Robert Rice, GeoSystems Analysis, Inc. and Raul Piña, CPE Consultants
	Tucson Water's Santa Cruz River Heritage Managed Recharge Project, Maya Teyechea, Tucson Water	Enhancing Hydrometeorological Observing Systems throughout California, Anna Wilson, Ph.D. , Field Research Manager, Center for Western Weather and Water Extremes (CW3E), Scripps Institution of Oceanography, University of California, San Diego	Using Geophysics to Site "Forebay-Type" Managed Aquifer Recharge Systems in the Wasatch Front of Utah, John Jansen , P.G., P.Gp, Ph.D., Shane Jones, P.E., Jeff Davis, P.E., John Greer, P.G., Brian K. LeMon, P.E., and Phil Sirls, P.G., Collier Geophysics, Barr Engineering and City of Provo, Utah
	Conjunctive Use of Managed Aquifer Recharge to Improve Water Resources and Groundwater Dependent Ecosystems, Michael Milczarek , Jason Keller, Robert Rice, Jaime Bañuelos, GeoSystems Analysis, Inc., and Laurel Lacher, Lacher Hydrological Consulting	Seasonal Streamflow Forecasting in Central Arizona: Recent Improvements and Future Opportunities, Bo Svoma, Ph.D. , Staff Scientist/Meteorologist, Salt River Project, Tempe, AZ. Surface Water Resources.	ASR Operations Management by Electronically "Tagging" Recharged Water, Doug Bartlett & Paul Plato , Clear Creek Associates
3:10 PM to 3:40 PM			
BREAK			
MAR and Recovery Case Studies	Southwest Extreme Precipitation Symposium Track		MAR Operations and Maintenance
Moderator - Nathan Nutter, Stanley Consultants	Moderator - Mike McMahon, HDR		Moderator - David O'Rourke, GSI Water Solutions, Inc
3:40 PM to 5:20 PM	From Vision to Reality: Town of Payson – Aquifer Storage and Recovery in a Transition Zone Fractured Bedrock Aquifer, Phillip M. Paski and Sheila K. Ehlers , ATC Group Services, LLC	Challenges of Drought Monitoring in Southwest, Nancy Selover, Ph.D. , Arizona State Climatologist, Arizona State Climate Office	Maximizing yield of diversions for managed aquifer recharge in a river system with high sediment supply: past, present and future, Bram Sercu , United Water Conservation District, Santa Paula, CA
	Using AR, ASR and ASR Generation to store excess flood waters, Kent Madison , Madison Ranches Inc and 3RValve LLC	Improving Winter Season Precipitation Forecasts Across the Western States, Matt Switanek, Ph.D. , Research Scientist, NOAA Earth System Research Laboratory, Boulder, CO	Quantifying clogging layer severity with infiltration rates measured with distributed temperature sensing, Patrick O'Connell , INTERA, Inc.
	City of Phoenix Wells Program (Part 1) - Overview, Marvin Glotfelty, PG., Clear Creek Associates, David Siebert, PE , Carollo Engineer,s and Aaron LaRoque, City of Phoenix	NASA Western Water Applications in Colorado River Basin: Engaging with Stakeholders to Create Solutions, Catalina M. Oaida, Ph.D. , Applied Science Systems Engineer, NASA Western Water Applications Office, Jet Propulsion Laboratory, Pasadena, CA	Unintended Consequences – Groundwater Quality Impacts from Groundwater Recharge Projects, Michael Barden and Gabriel McGowan, Hydro Geo Chem
	City of Phoenix Wells Program (Part 2) – Drilling and Installation Progress, Marvin Glotfelty, PG. , Clear Creek Associates, David Siebert, PE, Carollo Engineers, Aaron LaRoque, City of Phoenix	Maricopa County ALERT – Real-time Flood Warning System, Long-term Science Project, or Both?, Steve Waters , AMS, Flood Warning Branch Manager, Flood Control District, Maricopa County, AZ	Managed Aquifer Recharge Operations at the Olberg Dam USF on the Gila River Indian Community, Peter Mock , Peter Mock Groundwater Consulting, Inc.
5:20 PM to 7:30 PM			
PRESIDENTS RECEPTION and POSTER SESSION			