

Agenda

SUN SEP 10

4:00p - 7:00p	CONFERENCE SERVICES	LOCATION: PARADISE FOYER Conference Services and Registration Desk
5:00p - 7:00p	WELCOME RECEPTION	LOCATION: BAREFOOT BAR & GRILL This casual event is a great way to break the ice before the official start of the conference (appetizers; cash bar).

MON SEP 11

7:30a - 8:30a	COFFEE	LOCATION: DECK AREAS – SUNSET, BAY VIEW, DOCKSIDE Coffee and Refreshments
7:30a - 5:30p	CONFERENCE SERVICES	LOCATION: PARADISE FOYER CONFERENCE SERVICES AND REGISTRATION DESK
8:30a - 10:30a	PLENARY SESSION	LOCATION: PARADISE TERRACE
	WELCOME AND OPENING REMARKS Dalia Fadl <i>Chair</i> – CASQA Board of Directors Karen Cowan <i>Executive Director</i> – CASQA	CASQA AWARDS BOARD OF DIRECTORS / EXECUTIVE PROGRAM COMMITTEE RECOGNITION OUTSTANDING SERVICE: Karen Cowan EXHIBITOR RECOGNITION: Karen Ashby, <i>Exhibitor Coordinator</i> OUTSTANDING STORMWATER PROGRAMS AND PROJECTS: Melanie Sotelo, <i>Chair</i> – CASQA Awards Committee
		KEYNOTE Marty Ralph <i>Executive Director</i> – Center for Western Weather and Water Extremes (CW3e), UC San Diego Scripps Institution of Oceanography
10:30a - 11:00a	BREAK	LOCATION: DECK AREAS & GARDEN FOYER Break and Poster Presentation Authors Available
10:30a - 5:00p	POSTER SESSION	LOCATION: GARDEN FOYER
11:00a - 4:00p	FIELD TOUR	LOCATION: OFFSITE Limited to 106 participants (lunch included) The tour will visit three locations: Estrella Park Biofiltration & Trash Capture Project, Mapleview Green Street Project, Los Coches Low Flow Diversion to Sanitary Sewer



Keynote Speaker: Marty Ralph

Executive Director – Center for Western Weather and Water Extremes (CW3E), UC San Diego Scripps Institution of Oceanography

Dr. F. Martin Ralph is a synoptic and mesoscale research meteorologist focused on understanding the physical processes that create extremes in precipitation ranging from flood to drought, and on advancing associated observations, predictions, climate projections and decision support tools. A primary topic has been atmospheric rivers and their role in mid latitude precipitation. From 2001 – 2013 he was Chief of the Water Cycle Branch at NOAA's Earth System Research Laboratory in Colorado where he

led the development of the Hydrometeorology Testbed. He also managed NOAA's Science, Technology and Infusion Program, Chaired NOAA's US Weather Research Program Executive Committee, and led the creation of NOAA's Unmanned Aircraft Systems Program. In 2013 he moved to the University of California San Diego/Scripps Institution of Oceanography where he is developing the "Center for Western Weather and Water Extremes."

MON SEP 11 CONTINUED

SESSION 1	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Funding	TRACK: BMP Effectiveness	TRACK: Construction General Permit	TRACK: Pollutants of Concern	TRACK: Modeling and Data Tools	TRACK: Regulatory and Legislation
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	Jim Rasmus Stantec	Chris Crompton Michael Baker International	Sandeep Bhonsle Keish Environmental	Stacy Sinclair Flatiron West, Inc.	Geremew Amenu Los Angeles County	Gabrielle Soto Environmental Resources Management	Hawkeye Sheene West Yost
11:00a - 11:25a	<i>Unlocking the Full Potential of Urban Stormwater Capture for a Rain Ready California: Quantifying Economic Value and Advancing Resilience</i> Joseph Draper CASQA	PANEL <i>Advancing Offsite Credit Trading in California – Progress and Challenges in Building State and Local Trading Capacity</i> Panelists: Daniel Apt Olaunu	<i>New Metrics for Evaluating Hydrologic Performance of BMPs</i> Elizabeth Fassman-Beck Southern California Coastal Water Research Project	TRAINING WORKSHOP <i>The New CGP - What Your Estimators Need to Know</i> Speakers: Stacy Sinclair and Brittany Waddell Flatiron West, Inc.	<i>Contaminants of Emerging Concern in Urban Stormwater - San Francisco Bay Regional Monitoring Program Study Findings</i> Thomas Mumley San Francisco Bay Regional Water Quality Control Board	<i>San Diego Bay IDEA! An Integrated Multi-Benefit Modeling Approach To Promote Sustainable and Climate Change Resilient Infrastructure</i> Michelle Hallack Alegria City of San Diego	<i>Standardized Cost Reporting in Municipal Stormwater Permits – A Policy Update</i> Nabiul Afrooz State Water Resources Control Board
11:30a - 11:55a	<i>Advanced Stormwater Capture in Disadvantaged Communities of the Lower Santa Clara River Watershed</i> Hayley Luna County of Ventura	Jonathan Bishop State Water Resources Control Board David Smith Water Innovation Services Jeff Odefy One Water Econ	<i>GI in San Francisco - How's It Doing?</i> Robert Dusenbury Lotus Water		<i>Screening California's Constituents of Emerging Concern Database for Stormwater, and Evaluating Potential Risks of Stormwater Infiltration</i> Brandon Steets Geosyntec Consultants	<i>Meaningful, Collaborative, and Adaptive Watershed-Scale Planning with the Upper L.A. River's preSIP</i> Chad Helmle Craftwater Engineering, Inc.	<i>Time Schedule Orders and Recent Applications to Stormwater Programs</i> Paul Hartman Larry Walker Associates

11:55a - 1:30p **LUNCH** LOCATION: PARADISE TERRACE, SUNSET TERRACE, MISSION BAY PATIO, & EXECUTIVE LAWN (ATTENDEE'S CHOICE)


11:55a - 6:00p **EXHIBIT HALL OPEN** LOCATION: PARADISE BALLROOM AND FOYER

SESSION 2	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Funding	TRACK: BMP Effectiveness	TRACK: Construction General Permit	TRACK: Pollutants of Concern	TRACK: Modeling and Data Tools	TRACK: Regulatory and Legislation
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	Judith Ibarra-Bianchetta Tetra Tech	Kelly Westover Stantec	Sandeep Bhonsle Keish Environmental	Kadi Whiteside Southern California Edison	Geremew Amenu Los Angeles County	Gabrielle Soto Environmental Resources Management	Chris Beegan State Water Resources Control Board
1:30p - 1:55p	PANEL <i>Keeping the "Green" in Green Streets: From Design, to Construction, to Maintenance, and Monitoring</i> Panelists: Jason Wright Tetra Tech Thuan Nguyen Los Angeles County	<i>Increasing Community Benefits and Grant Funding Opportunities Through Multi-Benefit Projects</i> Melanie Rivera HDR Engineering, Inc.	<i>Implementation Challenges and Long-Term Effectiveness Assessment of a Multi-Use Wet Weather Flood Control and Dry Weather Natural Treatment System in the Cucamonga Creek Watershed</i> Steve Wolosoff GEI Consultants	<i>CGP Enforcement and How To Navigate Through It, Los Angeles Regional Board</i> Pavlova Vitale Los Angeles Regional Water Quality Control Board	<i>Where the Rubber Meets the Road: Tire Wear Particles and 6PPD-Quinone in Stormwater</i> Heather Goss US EPA	<i>Development of a Sediment Recontamination Assessment Tool to Support Stormwater Management Planning</i> Zahra Maleki Geosyntec Consultants	TRAINING WORKSHOP <i>Approach to Developing Site Specific Objectives for Zinc and Copper in Freshwaters of California</i> Speakers: Adam Ryan and Eric Van Genderen International Zinc Association Robert Santore Windward Environmental, LLC
2:00p - 2:25p	Andre Harris City of Los Angeles Jason Casanova Council for Watershed Health	<i>What Next? How To Comply With the Federal Rules and Requirements Once You've Secured the Funding: San Diego Stormwater's Programmatic Plan for Complying With WIFIA Requirements</i> Amy Broughton Stantec	<i>Guidance Versus Science: Nutrient Removal Effectiveness of Bioretention Basins in South Orange County</i> Steven Bell CWE	<i>The Five Fundamentals of Effective Flocculation</i> Kyla Wood Applied Polymer Systems, Inc.	<i>Clean Streets, Clean Seas: Stormwater BMPs to Intercept Microplastics in Urban Runoff</i> Jill Murray City of Santa Barbara	<i>A Data-Driven Approach to Stormwater Management: Leveraging NOAA Forecast Weather Data for Optimal Outcomes</i> Raul Garcia CloudCompli	

MON SEP 11 CONTINUED

SESSION 3	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Outreach, Engagement, and Education	TRACK: BMP Effectiveness	TRACK: Construction General Permit	TRACK: Pollutants of Concern	TRACK: Modeling and Data Tools	TRACK: Municipal Programs
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	Shawn Kenney Woodard & Curran	Michal Helman WSP USA, Inc.	Dylan Ahearn Herrera Environmental Consultants	Lucy Cortez-Johnson Southern California Edison	Chris Sommers EOA, Inc.	Jill Bicknell EOA, Inc.	Alex Yescas HDR Engineering, Inc.
2:35p - 3:00p	<i>County of San Diego Green Infrastructure Program: From Masterplan to Implementation of Watershed Structural Projects</i> Stephanie Gaines County of San Diego	TRAINING WORKSHOP <i>Surpassing Standards: A Tailored Approach to Outreach</i> Speakers: Reed Alvarado WSP USA, Inc. Dawn Petschauer City of Pasadena Julie Millett Richard Watson & Associates, Inc.	<i>Designing Resilient Green Infrastructure To Treat Runoff From Wildfire-Affected Areas</i> Sanjay Mohanty University of California Los Angeles	PANEL <i>QSDs, QSPs and ToRs – Sharing Insights on the 2022 CGP</i> Panelists: Brandon Roosenboom State Water Resources Control Board Sandy Mathews Larry Walker Associates	<i>The Significance of PFAS in Rain</i> Sarah Mass Haley & Aldrich	<i>Action Planning in Auckland New Zealand and Connections to California's Watershed Management Programs - Part 1: Water Quality Grading and BMP Opportunity Planning</i> Hana Judd Morphum Environmental	PANEL <i>San Diego – A Race Against Time to Get it Done</i> Panelists: Sara Dastgheibi and Sumer Hasenin City of San Diego Leila Talebi HDR Engineering, Inc.
3:05p - 3:30p	<i>Upper Auburn Creek Revitalization</i> Kristopher Eckert City of San Diego		<i>New Sediment Basin Design Standard Issued by the International Erosion Control Association</i> Brian Free Applied Polymer Systems	Daniel Apt Olaunu Melanie Sotelo CASC Engineering & Consulting	<i>PFAS & Microplastics Lessons Learned from Wastewater Practitioners</i> Jared Voskuhl California Association of Sanitation Agencies	<i>Action Planning...</i> continued <i>- Part 2: Optimisation, Findings, and Looking Ahead</i> John Riverson Paradigm Environmental	Ed Othmer Stantec

3:30p - 4:00p **BREAK** LOCATION: PARADISE BALLROOM AND FOYER Break and Exhibitor Focus

SESSION 4	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Outreach, Engagement, and Education	TRACK: Funding	TRACK: Construction General Permit	TRACK: Pollutants of Concern	TRACK: Regulatory and Legislation	TRACK: Municipal Programs
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	Shawn Kenney Woodard & Curran	Abigail Suter Riverside County Flood Control and Water Conservation District	John Bliss SCI Consulting Group	Kadi Whiteside Southern California Edison	Chris Sommers EOA, Inc.	Aldo Licitra Riverside County Flood Control and Water Conservation District	Peter Schultze-Allen EOA, Inc.
4:00p - 4:25p	<i>POST Media Development and the Park Place Stormwater Facility: A Low-Cost Novel Treatment Media and an Actively Dosed Regional Treatment Facility Design</i> Chris Webb Herrera Environmental Consultants	 2023 CASQA Awardee - Outstanding Public Outreach / Engagement Project or Program <i>Streets to Creeks: A Regional Approach To Rain-Ready Community Awareness and Action</i> Nick Sudano City of Santa Rosa	<i>Data Collection From the Source – Leveraging Field Data to Improve Long Range Financial Forecasting</i> Jillian Haynes City of San Diego	<i>Construction Stormwater – SWPPP Management: Cost Savings for Large Scale and Linear Projects Through BMP Implementation and Coordination</i> Ethan Driscoll Bancroft Construction Services	<i>Bacteria Summit Next Steps – How Can the Stormwater Community Continue the Momentum?</i> Ewelina Mutkowska CASQA	<i>Impacts of Litigation on MS4 Funding Sources</i> John Michael Trapp Atkins Global	<i>Developing Watershed Management Programs in Ventura County</i> Brianna Datti Craftwater Engineering, Inc.
4:30p - 4:55p	<i>Lake Okeechobee Watershed Restoration Project (LOWRP) ASR Well Program</i> Nycole Sharma Stantec	<i>San Francisco Youth Watershed Stewards: Green Infrastructure Maintenance Partnership</i> Kat Sawyer The Watershed Project	<i>Down the Drain? The City of San Diego's Approach to Making Storm Drain Replacement More Cost Effective</i> Matthew Marientes City of San Diego	<i>The True Costs of Compliance: A Case Study</i> Matthew Renaud NV5	<i>The Potential Impacts and Solutions of the Proposed Commercial, Industrial, and Institutional (CII) Stormwater Permit on Facilities within the Los Angeles and Long Beach Watersheds</i> Chris Hsu GSI Environmental Inc.	<i>Unfunded Mandates</i> Rebecca Andrews Best Best & Krieger LLP	<i>From IDEAs to a Rain Ready San Diego: Solving the Stormwater Planning Puzzle to get the Most Value Out of Your Capital Investment</i> Sara Dastgheibi City of San Diego

4:55p - 6:00p **EXHIBITOR FOCUS** LOCATION: PARADISE BALLROOM AND FOYER

6:00p - 9:00p **NETWORKING EVENT** OFFSITE LOCATION: VACATION ISLE PARK - OUTSIDE AND WALKING DISTANCE NEXT DOOR TO PARADISE POINT Socialize after hours, enjoy food and entertainment, and continue the stormwater discussion (see next page for more details).

TUE SEP 12

7:30a - 8:30a	COFFEE	LOCATION: PARADISE BALLROOM Coffee and Refreshments
7:30a - 5:30p	CONFERENCE SERVICES	LOCATION: PARADISE FOYER Conference Services and Registration Desk
8:00a - 5:00p	POSTER SESSION	LOCATION: GARDEN FOYER
8:00a - 7:00p	EXHIBIT HALL OPEN	LOCATION: PARADISE BALLROOM AND FOYER

SESSION 5	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Outreach, Engagement, and Education	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Construction General Permit	TRACK: Monitoring and Special Studies	TRACK: Modeling and Data Tools	TRACK: Municipal Programs
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	David Pohl Burns & McDonnell Engineering	Megan Otto Geosyntec Consultants	Kathleen McGowan McGowan Consulting	Melanie Sotelo CASC Engineering & Consulting	Zaida Aurora Cholico Santoya Larry Walker Associates	Rinta Perkins Geosyntec Consultants	Shawnetta Grandberry City of Carlsbad
8:30a - 8:55a	<i>A Framework to Develop Stormwater Capture Incentive Programs for Safe, Clean Water (and Other Co-Benefits) in Southern California</i> Brad Wardynski Craftwater Engineering, Inc.	<i>Adopt-a-Road Program</i> Michael Hill County of San Luis Obispo	<i>All the Tools in the Tool Box: Multi-Benefit Climate Adaptation Project Combines Sea Level Rise Protection Levee and Green Stormwater Infrastructure</i> Lucas Paz Terraphase Engineering	TRAINING WORKSHOP <i>2022 CGP Guidance: Map Tools and SMARTS</i> Speakers: Brandon Roosenboom and Matthew Shimizu State Water Resources Control Board	<i>Reducing Pathogen and Sediment Loading Through Large-Scale Stream Restoration</i> Aaron Nunez City of Santa Rosa	<i>A Catchment Pathogen Risk Prioritization Dashboard for the Newport Bay Watershed</i> Jian Peng County of Orange	TRAINING WORKSHOP (SESSIONS 5-6) <i>Basin Instincts: Municipal Program Management for Post-Construction BMP Compliance</i> Speakers: Nate Johnson, Nichole Fine, and Allison McLaughlin City of Carlsbad
9:00a - 9:25a	<i>An Argo-Naut Adventure: A Journey in Protecting and Collecting Water</i> Gordon Haines City of Los Angeles	<i>Compliance Achievement and Community Engagement through the Get It Done Program</i> Nicole Ridge City of San Diego	<i>Creating a Climate Resilient and Sustainable Tidal Marsh and Stormwater Capture System in Mission Bay, San Diego</i> Michelle Hallack Alegria City of San Diego		<i>Assessing the Impact of Season, Storms, and Berm Breaching on Recreational Water Quality at Three Southern CA Beaches</i> Jared Ervin Geosyntec Consultants	<i>Customized Web-Based Data Management and Tools for the City of Los Angeles' Stormwater Monitoring Programs</i> Travis Clark Tetra Tech	

SESSION 6	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Outreach, Engagement, and Education	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Construction General Permit	TRACK: Monitoring and Special Studies	TRACK: Modeling and Data Tools	TRACK: Municipal Programs
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	David Pohl Burns & McDonnell Engineering	Tom Lawrence TLE PLLC	Raina Dwivedi Conservation and Natural Resources Group	Andrew Sidor Michael Baker International	Zaida Aurora Cholico Santoya Larry Walker Associates	Rinta Perkins Geosyntec Consultants	Shawnetta Grandberry City of Carlsbad
9:35a - 10:00a	<i>Enhancing Local Water Sustainability: Stormwater Capture and Use in San Diego</i> Maxwell Dugan Geosyntec Consultants	<i>Environmental Justice and the Impacts of Implementing Structural and Non-Structural BMPs in Underserved Communities</i> Jennifer Coryell Hazen and Sawyer	<i>Climate Resilience Through Flood Managed Aquifer Recharge</i> Ali Taghavi Woodard & Curran	PANEL <i>Ask the Regulators – Information Sharing on the 2022 CGP</i> Panelists: Brandon Roosenboom and Matthew Shimizu State Water Resources Control Board Erica Ryan San Diego Regional Water Quality Control Board	<i>Assessing the Defecation Practices of Unsheltered Individuals and Their Contributions to Water Quality in an Arid, Urban Watershed</i> Juli Beth Hinds University of California San Diego	<i>Modelers on the Fly – Building Tools To Support Municipalities With Sustainable Stormwater Management in King County, WA</i> Olivia Wright Herrera Environmental Consultants	TRAINING WORKSHOP continued
10:05a - 10:30a	<i>Maple Canyon Phased Implementation - Drainage, Water Quality, Restoration, Etc!</i> Brendan Hastie Rick Engineering Company	<i>Protecting California's Water: Project Clean Water's Collaborative Campaign for Responsible Stormwater Protection and Collective Impact</i> Paige Copenhaver County of San Diego	<i>Addressing Drought Impacts and Water Sustainability: First Steps in San Diego County's Regional Water Equity Project</i> Megan Otto Geosyntec Consultants		<i>Achieving Bacteria Compliance in the Upper Los Angeles River Watershed Through a Human Health Risk-Based Approach</i> Brianna Datti Craftwater Engineering, Inc.	<i>Scaling Up the Utility of BMP Performance Assessments</i> Gary Conley 2NDNATURE	

TUE SEP 12 CONTINUED


10:30a - 11:00a **BREAK** LOCATION: PARADISE BALLROOM AND FOYER
Break and Exhibitor Focus

SESSION 7	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Outreach, Engagement, and Education	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Construction General Permit	TRACK: Monitoring and Special Studies	TRACK: Modeling and Data Tools	TRACK: Municipal Programs
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	Jim Rasmus Stantec	Tom Lawrence TLE PLLC	Heather Merenda City of Santa Clarita	Chris Ogaz CASC Engineering & Consulting	Roshan Christoph Sage Environmental Consulting	Elizabeth Zernik Environmental Resources Management	Ann Fletcher County of San Luis Obispo
11:00a - 11:25a	PANEL <i>Water Supplier's Perspectives on Urban Stormwater Capture and Use</i> Panelists: Jeff Mosher Santa Ana Watershed Project Authority Doug Campbell City of San Diego	<i>Resident Engagement as a Stormwater Operations Strategy for Trash Reduction</i> Jim Harry City of San Diego	<i>The Climate Resilience Resources Guide - Tools for Planning and Implementing Climate-Resilient Green Stormwater Infrastructure</i> Reid Bogert San Mateo Countywide Water Pollution Prevention Program	<i>Stormwater Capture and Management on a 5 Acre Construction Site</i> Daniel Secrist CASC Engineering & Consulting	<i>Enhanced Investigation of Wet Weather HF183 Contributions During a Historically Wet Year in San Diego County Catchments With OWTs</i> David Arthur WSP USA, Inc.	<i>How Can I Benefit From the Use of AI/Chat GPT Technologies in My Day-to-Day Stormwater Management Tasks?</i> Stella Shao GSI Environmental Inc.	<i>Streamlining MS4 Annual Reporting: SMC's Regional Framework and Platform</i> Dustin Bambic Paradigm Environmental
11:30a - 11:55a	Art Castro Los Angeles Department of Water and Power Sunny Wang City of Santa Monica	<i>The Good, The Bad, and The Bugly – Challenges in Applying CBSM to Pesticide Use Behaviors</i> Joey Schmitt Action Research	<i>Living with the Bay Program: A Resiliency Success Story</i> Michael Bomar Tetra Tech	<i>Stormwater Management at the San Diego International Airport New t1 Project</i> Harley Bachler Flatiron West, Inc.	<i>Novel Indicators for Tracking Human Sources of Fecal Pollution During Storm Events</i> Ken Schiff Southern California Coastal Water Research Project	<i>An Automated Open-Channel Encroachment Identification Model Based on Machine Learning in Los Angeles County</i> Jinshu Li Stantec	<i>Highlights and Insights of Washington State's Municipal Stormwater Permit Program</i> Abbey Stockwell Washington State Department of Ecology

11:55a - 1:30p **LUNCH** LOCATION: PARADISE TERRACE, SUNSET TERRACE, MISSION BAY PATIO, & EXECUTIVE LAWN (ATTENDEE'S CHOICE)

SESSION 8	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Equity and Environmental Justice	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Construction General Permit	TRACK: Pollutants of Concern	TRACK: Modeling and Data Tools	TRACK: Municipal Programs
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	Michelle Hoalton PACE Advanced Water Engineering	Tess Sprague Brown and Caldwell	Chad Praul Environmental Incentives	Chris Ogaz CASC Engineering & Consulting	Roshan Christoph Sage Environmental Consulting	Elizabeth Zernik Environmental Resources Management	Ann Fletcher County of San Luis Obispo
1:30p - 1:55p	<i>Infiltration Test Methods for Estimating the Capacity of Drywells</i> Scott Kindred Kindred Hydro, Inc.	PANEL <i>Equity Approaches in Climate Resilience and Nature-Based Solutions Planning in the Bay Area</i> Panelists: Reid Bogert San Mateo Countywide Water Pollution Prevention Program Rosey Jencks Brown and Caldwell Emily Corwin Solano Stormwater Alliance Cade Cannedy Climate Resilient Communities	PANEL <i>Stacking Incentives Adapts SoCal to Climate Change: A Learning Network Connecting Water Suppliers and Stormwater Departments</i> Panelists: Scott Norris County of San Diego Lisa Prus San Diego County Water Authority Justin Gamble City of Oceanside Krista Guerrero Metropolitan Water District of Southern California	<i>Rain Ready California</i> Jeanette Huddleston Sacramento County	<i>A New Trash Capture Device for Roadway Environments</i> Bhaskar Joshi California Department of Transportation	<i>Revolutionizing Stormwater Management With the Power of AI: Innovations and Opportunities</i> Josh Ughneau CloudCompli	<i>Famosa Slough TMDL Compliance Achievement Through Code Enforcement</i> Kellyn Baker City of San Diego
2:00p - 2:25p	<i>Case Study: Sun Valley Infiltration Galleries Assessment and Expansion</i> Marty Spongberg WSP USA, Inc.			<i>Tailgate Talks – How this Tail Can Wag the Dog</i> Stacy Sinclair Flatiron West, Inc.	<i>Comparison and Discussion of Microplastic Hazard Thresholds As Assessed From Two Different Species Sensitivity Distribution Approaches</i> Kenia Whitehead GSI Environmental Inc.	<i>Rising Above the Waters: Building Resilient Communities through Cutting-Edge Flood Management Modeling in Southcrest, San Diego</i> Leila Talebi HDR Engineering, Inc.	<i>Analysis of Natural and Permitted Dry Weather Flows for Pollution Prevention</i> Matt Yeager Riverside County Flood Control and Water Conservation District

TUE SEP 12 CONTINUED

SESSION 9	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Equity and Environmental Justice	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Industrial General Permit	TRACK: BMP Effectiveness	TRACK: Monitoring and Special Studies	TRACK: Municipal Programs
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	Michelle Hoalton PACE Advanced Water Engineering	Michelle Mattson Weston Solutions	Kathleen McGowan McGowan Consulting	Mehran Ebrahimi GSI Environmental Inc.	Brian Currier Office of Water Programs at Sacramento State	Rebekah Guill Riverside County Flood Control and Water Conservation District	Kelly Havens Geosyntec Consultants
2:35p - 3:00p	<i>Streamlining GI Feasibility Analysis within Planned Roadway Projects in the County of San Mateo</i> Shauna Dunton Lotus Water	<i>How Large and Small Investments in Underserved Communities Work Together to Provide Multiple Stormwater and Community Benefits</i> Sarah Favrot County of San Diego	<i>Can Life Cycle Analysis Make Low Impact Development More Sustainable?</i> Kathy Hubbard Kleinfelder	PANEL <i>IGP Enforcement Trends & Priorities</i> Panelists: Pavlova Vitale Los Angeles Regional Water Quality Control Board Lauren Chase Orange County Coastkeeper Wayne Rosenabum Environmental Law Group LLP Jeffrey Longworth Earth & Water Law Timothy Simpson GSI Environmental Inc.	<i>Filter Fabric Mass Load Capacity and Long-Term Performance</i> Craig Fairbaugh Contech Engineered Solutions	<i>Benthic Community Stressor Identification for Marine Sediments within the Rose Creek Estuary and Cudahy Creek Inlet Located in Mission Bay, San Diego, CA</i> John Rudolph WSP USA, Inc.	PANEL <i>GSI Implementation in the San Francisco Bay Area – Challenges and Opportunities for a more Collaborative, Integrated, and Innovative Future</i> Panelists: Amanda Booth City of San Pablo Pam Boyle Rodriguez City of Palo Alto Shannan Young City of Dublin Reid Bogert San Mateo Countywide Water Pollution Prevention Program
3:05p - 3:30p	 2023 CASQA Awardee - Outstanding Stormwater Capture and Use Implementation Project or Program <i>East Los Angeles Sustainable Medians Stormwater Capture Project</i> Rafael Piamonte Los Angeles County	<i>Can Community Gardens Be Leveraged To Achieve Stormwater Capture and Water Quality Goals While Supporting Disadvantaged Communities?</i> Gabriela Gonzalez WSP USA, Inc.	<i>Raise the Grade for Stormwater Infrastructure Using the Envision Sustainability Rating System Framework</i> Suzanne Wilkins CDM Smith		<i>Stormwater Needs the Cloud - Optimizing Real-Time Maintenance Sensing in Stormwater Control Measures</i> Jeremiah Lehman Contech Engineered Solutions	<i>Stressor Identification Case Study in Two Southern California Lagoons</i> Sheila Holt Weston Solutions, Inc.	

3:30p - 4:00p **BREAK** LOCATION: PARADISE BALLROOM AND FOYER
Break and Exhibitor Focus

SESSION 10	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Equity and Environmental Justice	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Industrial General Permit	TRACK: BMP Effectiveness	TRACK: Monitoring and Special Studies	TRACK: Municipal Programs
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	Paige Brue Watershed Progressive	Michelle Mattson Weston Solutions	Raina Dwivedi Conservation and Natural Resources Group	Gabrielle Soto Environmental Resources Management	Brian Currier Office of Water Programs at Sacramento State	Rebekah Guill Riverside County Flood Control and Water Conservation District	Erica Warren City of Sonoma
4:00p - 4:25p	<i>J. M. Pike Park, Protecting and Collecting Water for Modesto's Future</i> Shawn Kenney Woodard & Curran	<i>Putting the "C" in CBP3 - RainCity Partnership</i> Eric Zickler Lotus Water	<i>Stormwater Monitoring for Multi-Benefit Water Management</i> Alex Messina WSP USA, Inc.	<i>Costs and Benefits of Implementing an Effective Stormwater Program</i> Elliott Ripley Ashworth Leininger Group	<i>Street Sweeping Studies in the Pacific Northwest: Lessons Learned for Conventional Stormwater Pollutants and New Research Targeting Emerging Contaminants of Concern</i> John Lenth Herrera Environmental Consultants	<i>Relationship Between Coliphage and Enterococcus at Southern California Beaches and Implications for Beach Water Quality Management</i> John Griffith Southern California Coastal Water Research Project	<i>Gravel Surface (Im)perviousness – Where We're at, and Where We're Heading</i> Patrick Kuga Michael Baker International
4:30p - 4:55p	<i>Scotts Valley: Harnessing Stormwater for Groundwater Recharge and Water Supply</i> Sachiko Itagaki Kennedy Jenks Consultants	<i>Tijuana River Pollution Crisis</i> Chris Helmer City of Imperial Beach	<i>Building Adaptation Capacity through Resilient Schoolyards in San Mateo County</i> Reid Bogert San Mateo Countywide Water Pollution Prevention Program	<i>Top Five Data Management Pitfalls for IGP Compliance and How to Strategically Navigate Data and Reporting to Reach Compliance Goals</i> Becky Chen GSI Environmental Inc.	<i>Managing Street Sweeping for Stormwater Quality Benefits</i> Gary Conley 2NDNATURE	<i>Environmental Forensics: An Adaptive, Iterative Approach to Pathogen Source Detection in Sonoma County</i> Alisa Keenan County of Sonoma	<i>Catch Basin Maintenance - The Unsung Hero</i> Michael Roberts City of Riverside

5:00p - 7:00p **EXHIBITOR RECEPTION** LOCATION: PARADISE BALLROOM AND FOYER
Exhibitors and conference attendees always enjoy a chance to interface in this cordial and relaxed environment (appetizers; cash bar).

WED SEP 13

7:30a - 8:30a	COFFEE	LOCATION: PARADISE BALLROOM Coffee and Refreshments
7:30a - 2:30p	CONFERENCE SERVICES	LOCATION: PARADISE FOYER Conference Services and Registration Desk
8:00a - 12:10p	EXHIBIT HALL OPEN	LOCATION: PARADISE BALLROOM AND FOYER
8:00a - 1:30p	POSTER SESSION	LOCATION: GARDEN FOYER

SESSION 11	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Looking Beyond California	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Industrial General Permit	TRACK: BMP Effectiveness	TRACK: Monitoring and Special Studies	TRACK: Municipal Programs
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	Shannon Spurlock Pacific Institute	Brenda Ponton Woodard & Curran	Grant Sharp County of Orange	Mehran Ebrahimi GSI Environmental Inc.	Fred Gonzalez Los Angeles County	Cynthia Gabaldon CG Resource Management and Engineering, Inc.	Erin Maker City of Carpinteria
8:30a - 8:55a	PANEL <i>Lessons and Insights From a National Assessment of Stormwater Capture Potential – Barriers, Drivers, and Regional Partnerships</i> Panelists: David Smith Water Innovation Services Nicole Beck 2NDNATURE Shannon Spurlock Pacific Institute	<i>How to Avoid Green Elephants: Governance as a Driver for Resilient Green Infrastructure</i> Jennifer Court GHD	PANEL <i>Data-Driven Exploration of Stormwater Capture and Water Reuse Partnership Opportunities</i> Panelists: Daniel Apt Olaunu Laura Rocha Moulton Niguel Water District	TRAINING WORKSHOP (SESSIONS 11-12) <i>Recent Developments and Best Practices for Industrial Stormwater Infiltration</i> Speakers: Pavlova Vitale Los Angeles Regional Water Quality Control Board Brandon Steets Geosyntec Consultants Amanda Magee and Pushpa Zachariah State Water Resources Control Board Mehran Ebrahimi GSI Environmental Inc.	<i>Effectiveness of Turf-Replacement BMPs to Minimize Wet Weather and Irrigation-Induced Dry Weather Runoff</i> Edward Tiernan Southern California Coastal Water Research Project	<i>Street Sweeping's Role in Achieving Full Capture System Equivalency Targets in California – Development of Local Metrics in the City of Stockton</i> Danielle Moss Larry Walker Associates	<i>Getting Ready to Report Municipal Stormwater Program Costs: A Framework and Methodology for the San Francisco Bay Area</i> Jill Bicknell EOA, Inc.
9:00a - 9:25a		<i>Follow the Drop: An Innovative Tool and Public-Private-Philanthropic Partnership for Community Engagement in Honolulu, HI</i> Lauren Roth Venu 3Rwater			<i>Floating Treatment Wetlands as a Cost-Effective, Nature-Based Solution To Increase Ecosystem Services in Urban Waters and Stormwater Ponds</i> Rob Zisette Herrera Environmental Consultants	<i>It's Required but Is It Effective? A Study To Test the Efficacy of the Permit Required In/Comm Program</i> Nadine Young Evans City of San Diego	<i>Getting Ready to Invest - Incorporating Community, Climate, and Condition into the City of San Diego's Integrated Planning Process</i> Kevin Anub City of San Diego

SESSION 12	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Looking Beyond California	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Industrial General Permit	TRACK: BMP Effectiveness	TRACK: Monitoring and Special Studies	TRACK: Municipal Programs
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	Daniel Apt Olaunu	Brenda Ponton Woodard & Curran	Michael Drennan NV5	Mehran Ebrahimi GSI Environmental Inc.	Fred Gonzalez Los Angeles County	Vicki Kalkirtz City of San Diego	Peter Schultze-Allen EOA, Inc.
9:35a - 10:00a	PANEL <i>Watershed and Integrated Water Resources Project Planning in South Orange County</i> Panelists: Cindy Rivers County of Orange Aaron Poresky and Stephanie Zinn Geosyntec Consultants Kari Schumaker Sunkist Solutions, LLC	<i>Building Resiliency, Community and Ecologic Diversity in a Historic City: Flood Mitigation & Placemaking in Quincy, MA</i> David White Woodard & Curran	<i>Climate Change Implications for BMP Design</i> Afshin Shabani Tetra Tech	TRAINING WORKSHOP continued	<i>A Pollutant Load Reduction Based Framework for Assessing Equivalency of Conventional Bioretention and High Rate Biofiltration Systems</i> Vaikko Allen Contech Engineered Solutions	<i>Regional Assessment of Watershed Trash and Marine Debris in Southern California</i> Ken Schiff Southern California Coastal Water Research Project	PANEL <i>Unhoused Populations and Water Quality Impacts: Municipal Best Management Practices From the Bay Area and San Diego</i> Panelists: Vishakha Atre EOA, Inc.
10:05a - 10:30a			<i>Stormwater Practitioners Are the New Sustainability Leaders</i> Chris Helmer City of Imperial Beach		<i>The Race to the Bottom: How BMP Manufacturers Building Progressively Smaller Filters is Impacting our Waterways</i> Dylan Ahearn Herrera Environmental Consultants	<i>Comparison of Pre vs Post Wildfire Stormwater Quality and Time to Recovery</i> Maia Colyar Geosyntec Consultants	Nicole Wilson Larry Walker Associates Megan Welsh Carroll San Diego State University

WED SEP 13 CONTINUED

10:30a - 11:15a

BREAK, PRIZE DRAWING

LOCATION: PARADISE BALLROOM AND FOYER
Break, Exhibitor Focus and Prize Drawing*
Winners will be announced by the Platinum Stormwater Steward (Rick Engineering Company). (*Must be present to win)

SESSION 13	TRACK: Stormwater Capture, Use, Green Infrastructure, and Nature-Based Solutions	TRACK: Funding	TRACK: Climate Change, Resiliency, and Sustainability	TRACK: Industrial General Permit	TRACK: BMP Effectiveness	TRACK: Monitoring and Special Studies	TRACK: Municipal Programs
ROOM	MISSION BAY ROOM	GARDEN ROOM	DOCKSIDE ROOM	SUNSET BALLROOM I & II	SUNSET BALLROOM III	SUNSET BALLROOM IV	SUNSET BALLROOM V
MODERATOR	Stephanie Gaines County of San Diego	Matthew Lentz GSI Environmental Inc.	Michael Drennan NV5	Laura Carpenter Brown of Caldwell	Cynthia Gabaldon CG Resource Management and Engineering, Inc.	Vicki Kalkirtz City of San Diego	Erin Maker City of Carpinteria
11:15a - 11:40a	<i>Via Princessa Regional Park and BMP Project</i> Duong Do PACE Advanced Water Engineering	PANEL <i>An Innovative Approach to Generate Funding and Promote Stormwater Capture and Use: Anaheim's Stormwater Credit Program</i> Panelists: Keith Linker City of Anaheim Daniel Apt Olauanu Richard Haimann Sustura, Inc. Mike Recupero Recupero and Associates	<i>Beyond Stormwater: A Novel Watershed Plan That Balances Water Quality Improvement, Community Benefits, Climate Change Resiliency, and Flood Control</i> Lara Barrett County of San Diego	<i>Let's Play Kick the Can! Delayed Planning for Achieving TNAL and NEL Compliance Can and Will Be Painful!</i> David Renfrew NV5	<i>STEPP National Stormwater Treatment Test Program</i> Jay Holtz Oldcastle Infrastructure	<i>Integrative Approaches to Reducing Residential Dry Weather Runoff</i> Mai Son Riverside County Flood Control and Water Conservation District	<i>Source Investigations and Inspections to Reduce Trash in an Underserved Community</i> John Quenzer D-Max Engineering
11:45a - 12:10p	<i>Balancing Stormwater and Community: Implementation of a Unique Park Flood Mitigation and Water Quality Project in the Town of Windsor</i> Nathan Towleron GHD		<i>WSDOT's Innovative, Nature-Based Approach for Simultaneous Stormwater Flow and Stream Mitigation Within an Interstate Corridor</i> Christina Merten Herrera Environmental Consultants	<i>Moving Back to Baseline and Lessons Learned for the Second Year - Applying Bench-Scale Testing to Identify Characteristics of Stormwater Pollutants and Improve Advanced Treatment</i> Blake Van Drimlen GSI Environmental Inc.	<i>Under What Conditions Are Trash Full Capture Systems Impracticable? - Guidance From the SF Bay Area Based on Over a Decade of Installation</i> Chris Sommers EOA, Inc.	<i>Using Statistical Correlations of Monitoring Data Parameters and Variations With Flow Rates for More Effective Stormwater Management</i> Gaurav Rajen Santa Ana Regional Water Quality Control Board	<i>Regional Trash Capture Implementation in the San Diego Region Snapshot</i> Anthony Cotts Rick Engineering Company

12:10p - 1:30p

LUNCH

LOCATION: PARADISE TERRACE, SUNSET TERRACE, MISSION BAY PATIO, & EXECUTIVE LAWN (ATTENDEE'S CHOICE)

1:30p - 2:30p

CAPSTONE SESSION

LOCATION: PARADISE TERRACE
Invited panel of leaders. For all attendees. (Capstone Session Sponsor: HDR Engineering, Inc.)

Capstone Session

New this year, this event will close the conference, featuring leaders from various water sectors throughout California engaged in conversations about achieving a *Rain Ready California*.



Karen Cowan
Executive Director
CASQA



Adam Link
Executive Director
California Association
of Sanitation Agencies
(CASA)



Sean Maguire
Board Member
State Water Resources
Control Board



Anna Naimark
Deputy Secretary and
Special Counsel for Water
California Environmental
Protection Agency
(CalEPA)




Jennifer West
Managing Director
WateReuse
California

Poster Presentations

Posters will be displayed throughout the conference in the Garden Foyer.

The poster authors will be available to answer questions during the Monday morning break.

 2023 CASQA Awardee - Outstanding Stormwater Science Project or Program: Student: Analysis of Water Quality Near Areas of Homeless Activity on Santa Rosa Creek and Russell Creek

Claudia Mayo, Sonoma State University

A Case Study of Atmospheric Susceptibility to Wildfire Ignition and Growth Following Historically Wet Seasons in California

Nick Modar, Weston Solutions

Augmenting and Refining Traditional Sediment Toxicity Identification Evaluations in a Stressor Identification Special Study for Management of Potentially Impacted Sediments Under the San Diego MS4 Permit

Peter Arth, Enthalpy Analytical LLC

Bacteria TMDL Monitoring: A Decade of Collaboration in San Diego

Jose Calderon, WSP USA, Inc.

Ballona Wetlands Remove Contaminants From Municipal Runoff: An Ecological Sink for Enterococcus

Annalia Henderson, Palos Verdes High School

BMPs Bring a Wide Range of Benefits Beyond Water Quality

Tony Sidor, CASC Engineering & Consulting

California's New Climate Reality-Drought or Deluge Weather Whiplash

Garth Engelhorn, NV5

California's Recent Heavy Rains Do Not Mean the End of Drought: The Urgent Need for an Effective Drought Contingency Plan
Kiran Pallachulla, NV5

Call to Action: Educational Opportunities for Future Storm Water Professionals

Connor Ridge, Flatiron

Climate Change, Resiliency and Sustainability in the 1-5 North Coast Corridor

Violet Quinn, Flatiron

Cost Implications and Potential Implementation Challenges of the Newly Adopted 2022 Construction General Permit

Alexandra Aranha, EKI Environment & Water

Dealing With Extreme Weather Conditions Using Innovative BMPs and Controls

Neftali Romero, Geosyntec Consultants

Hydromodification Within High Groundwater - Project Bruin, Oxnard, CA

Terence Zhao, Advanced Drainage Systems

Long Term Monitoring of Stormwater Water Quality in the Cache Slough Watershed (2010-2023)

Jennifer Repa, Terraphase Engineering

Managing a Municipal Stormwater Inspection Program using ArcGIS Online

Michael Beerends, GHD

Modeling of Circular Geometries in Outlet Structures

Anthony Cotts, Rick Engineering Company

Reinventing Road-Side Biofilter Design To Increase Their Climate Resilience

Tony Das, University of California Los Angeles

Risk of Gastrointestinal Illness in a Polluted Tropical Beach

Adriana González Fernández, Southern California Coastal Water Research Project

Serving the Underserved an Exhaustive Translation of Materials in Eight Languages

Nick del Valle, County of San Diego

State Route 74 Ortega Highway/Cow Camp Road Intersection Project and Preparing a Storm Water Data Report for Design Engineering Evaluation Report (DEER) Phase

Jacqueline Stone, Michael Baker International

Stormwater Capture to Enhance Water Resiliency and Sustainability

Masih Bari, Atkins North America

Stormwater Operation and Maintenance Agreements – Setting Up for Success

Anthony Schuetze, County of San Luis Obispo

Surface Water Remediation Using Floating Island Technology

Nate Hasal, GSI Environmental Inc.

The TMDL Framework for Phosphorus Management in Shahe River SubWatershed, Chaohu Lake, China

Jian Peng, County of Orange
