<≫ PROGRAM «>

2013 CASQA 9TH ANNUAL CONFERENCE

SEPTEMBER 9-11, 2013 • SQUAW VALLEY • LAKE TAHOE, CALIFORNIA

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TAKING STORMWATER QUALITY MANAGEMENT TO NEW HEIGHTS



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2013 CASQA CONFERENCE

or its 9th annual conference, the California Stormwater Quality Association (CASQA) is pleased to be on the California side of Lake Tahoe for the first time for a special September 9–11, 2013 event. The conference is being held in beautiful Squaw Valley, Lake Tahoe. One of the clearest lakes of its size in the world, Lake Tahoe's clarity has been challenged by accelerated inputs of nutrients and sediment from development and other human impacts. The Lake Tahoe Basin has been at the forefront of scientific studies and technical and policy planning initiatives to protect the Lake by minimizing human disturbance and reducing or eliminating the addition of pollutants. The experiences and lessons learned at Lake Tahoe have a profound influence on our knowledge of stormwater management.

The CASQA Conference is the key annual training opportunity for stormwater professionals responding to municipal, industrial, and construction NPDES stormwater permit requirements and over 500 will attend this year's event.

CASQA is the largest non-profit, professional association focused on stormwater quality issues. For 24 years CASQA has assisted municipalities, special districts, businesses, the State of California, and the United States Environmental Protection Agency in developing and implementing effective stormwater quality management programs.



ABOUT CASQA

CASQA is a non-profit professional member association dedicated to the advancement of stormwater quality management through collaboration, education and outreach, implementation guidance, regulatory review, and scientific assessment.

JOIN CASQA

Regular or affiliate membership in CASQA is open to organizations and individuals in the stormwater field, whether holders of NPDES permits or not. If you are not currently a member, by joining now, you can receive substantial reductions on upcoming conferences and webcasts, as well as receiving all the other benefits of membership (newsletters, downloadable products, quarterly meetings, etc.). CASQA membership provides substantial benefits even if you are based outside California. It's the right time to be a member of the premier professional association dedicated to the advancement of stormwater quality management, science, and regulation. Join now at www.casqa.org

Monday, September 9, 2013

IN-DEPTH WORKSHOPS

10 half-day workshops and one all-day field trip workshop on Monday, September 9 will provide in-depth training. All half-day workshops will also be available for viewing by webcast with a registration fee.

MORNING WORKSHOPS

- WORKSHOP 1
 Low Impact Development: Bioretention Design
- WORKSHOP 2
 Code Enforcement / Inspections / Property Access
- WORKSHOP 3 MS4 Program Monitoring: New Permit Requirements and Innovative Monitoring and Assessment Approaches
- ♦ WORKSHOP 4

Hydromodification Control / Management: State of the Practice

WORKSHOP 5
 Building an Outreach Program: the Art, the Science and Community-Based Social Marketing

AFTERNOON WORKSHOPS

WORKSHOP 6

What Every Stormwater Program Manager "Shall" Know: Guidance from Experienced Phase I and Phase II MS4 Managers

- WORKSHOP 7
 Receiving Water Limitations and Legal Basis for Regulating Hydromodification and Flow in TMDLs
- ♦ WORKSHOP 8

MS4 Program Monitoring: New Permit Requirements, Stream Health Assessment and Monitoring Data Interpretation *(continued from morning)*

- WORKSHOP 9
 Hydromodification Control/Management:
 State of the Practice (continued from morning)
- WORKSHOP 10
 Stormwater: A Key Resource in Integrated
 Water Management

CASQA 2013 CONFERENCE



♦ WORKSHOP 11

Erosion Control and Stormwater Treatment Field Trip *(this workshop is all day, leaving at 8:30 a.m. and returning at 4:30 p.m.)* Advance registration has reached capacity and is closed.



DAVID ANTONUCCI TO MAKE KEYNOTE ADDRESS

Tuesday, September 10 8:30 a.m. – 9:40 a.m., the Pavilion

CASQA is very pleased to present David Antonucci as the conference keynote. David is a civil engineer by training with a career as chief of regulation and enforcement for a water quality control board and general manager and chief engineer of a multifunction special district in the Lake Tahoe area. He is currently a freelance writer, professional speaker, and environmental consultant based on the west shore of Lake Tahoe.

His presentation to CASQA will be on Mark Twain at Lake Tahoe. In 1861, the man who became Twain hiked to Lake Tahoe to stake a claim for a timber ranch. He spent many blissful days on the lake but carelessly allowed his campfire to escape, creating a spectacular wildfire. He later wrote about his experiences in his 1872 memoir, *Roughing It*. Twain described Lake Tahoe as the "fairest picture the whole earth affords."



Tuesday and Wednesday September 10 – 11, 2013 **TECHNICAL PROGRAM**

Following a day of workshops, a keynote address, special forums, and concurrent session presentations will provide two additional packed days of stormwater information. Many of the leading stormwater practitioners from California and across the nation are participating and making presentations. Concurrent sessions will follow twelve conference thematic tracks (see pages 6-13 for detailed agendas):

1. BEHAVIOR CHANGE This track will focus on the latest challenges and solutions to changing public and business behavior through public education, training, inspections, and enforcement.

2. CONSTRUCTION PERMIT This track will focus on lessons learned from the field while implementing the California Construction General Permit including compliance strategies, common problems, sampling, bioassessment monitoring, responding to exceedances of numeric action levels, and using active treatment systems.

3. EFFECTIVENESS ASSESSMENT This track will focus on strategies to assess the effectiveness of storm-water programs including effluent limits, numeric action levels, data collection goals and targets, implemented BMPs, effectiveness of source controls, changes in polluting behaviors, reductions in pollut-ant loading, improvements in receiving water quality, and funding of MS4 programs.

4. GIS APPLICATIONS, MONITORING, AND SCIENTIFIC ADVANCES This track will focus on unique GIS tools, data collection and evaluation, pollutant source tracking, emerging pollutants, new technologies, new monitoring and assessment tools, stormwater impacts, and economic assessments.

5. INDUSTRIAL PERMIT This track will focus on innovative stormwater compliance strategies/ case studies, BMP effectiveness evaluations, LID at industrial sites, MS4 industrial program implementation, monitoring strategies/techniques, and practical strategies/solutions to comply with a more stringent California Industrial General Permit expected in 2013, including proposed numeric action levels.

6. LAKE TAHOE This track will focus on programs in the Lake Tahoe Basin including water quality research and science, the recently adopted TMDL, Basin specific NPDES municipal and construction permits and state and local stormwater programs.

7. REGIONAL/INTEGRATED APPROACHES TO STORMWATER COMPLIANCE This track will focus on stormwater compliance through regional/ integrated collaboration with flood management, drinking water supply, and wastewater treatment agencies and will include strategies and case studies related to watershed/regional management, integrated water management, and climate change adaptation.

8. REGULATIONS, PERMITS, AND POLICIES This track will focus on the latest developments in federal and state stormwater regulations, permits, policies, and funding priorities including effluent limitations, receiving water limitations, maximum extent practicable, toxicity policy, Areas of Special Biological Significance, TMDLs/303(d) listing, basin planning issues, and federal NPDES rulemaking.

9. STORMWATER PROGRAM MANAGEMENT

This track will focus on innovative ideas and lessons learned from MS4, industrial, and construction stormwater programs regarding implementation strategies, enforcing compliance, internal and external communication with stakeholders, building relationships with regulators, reviewing and implementing stormwater plans, management tools, and auditing and assessment.

10. STORMWATER TREATMENT This track will focus on site-specific approaches, alternative methods, case studies and BMP designs for LID, green infrastructure, green streets, hydromodification, and stormwater harvesting.

11. TMDLS AND POLLUTANT SPECIFIC COMPLIANCE This track will focus on the development, planning, implementation and assessment of TMDL compliance programs including regulations and policies related to TMDL implementation in MS4 permits.

12. TRASH This track will focus on reducing the impact of trash on water bodies including permit requirements, source controls such as public outreach and product bans, full/partial trash capture devices, monitoring and modeling, and assessments of effectiveness.

CONTINUING EDUCATION CREDITS

Continuing Education Credits are available for attendees at the CASQA Conference in the following certifications:

American Institute of Certified Planners (AICP) CASQA is an approved AICP Certification Maintenance (CM) Provider. The Annual Conference, including the workshops, has been submitted and is awaiting approval as a multipart event with credits available based on contact hours. AICP certified planners can record credits by logging onto their CM Log and adding the credits from the calendar. Any issues with logging the credits should be sent to AICPCM@planning.org. Certified Professional in Erosion and Sediment Control (CPESC); Certified Professional in Storm Water Quality (CPSWQ); Certified Erosion, Sediment and Stormwater Inspector (CESSWI); Certified Inspector of Sediment and Erosion Control (CISEC); and, Certified Municipal Separate Storm Sewer Specialist (CMS4S) Professional Development Units (PDUs) are available for attendance at the CASQA Conference, including the workshops. No sign-in sheets, forms, or certificates are required at the CASQA Conference. California Water Environment Association (CWEA) CWEA contact hours are available for attendance at the CASQA Conference, including the workshops. A CWEA contact hour verification form must be filled out by those requesting CWEA contact hours at the registration table and CASQA will issue a Certificate of Completion.

 State Bar of California Minimum Continuing Legal Education (MCLE) credits are being requested from the State Bar of California. CASQA WOULD LIKE TO THANK the following sponsors and exhibitors for supporting the CASQA 2013 Conference.

CASQA invites you to contact the registration desk to reserve your sponsorship and exhibit booth for the 2014 CASQA Conference being held from September 15 to 17.

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CASQA WORKSHOPS AGENDA, MONDAY SEPTEMBER 9, 2013

7:30a – 5:30p		REGIS	FRATION DESK (FOYER)		
1:45a – 6:00p		EXHII	BITS (GRAND SIERRA)		
ALL DAY			ROL AND STORMWATER TREA advance registration has reach		
	WORKSHOP 1 ALPINE A	WORKSHOP 2 GRAND SIERRA C	WORKSHOP 3 Alpine B	WORKSHOP 4 MONUMENT PEAK A&B	WORKSHOP 5 EMIGRANT PEAK A&B
Workshop	Low Impact Development: Bioretention Design	Code Enforcement / Inspections / Property Access	MS4 Program Monitoring: New Permit Requirements and Innovative Monitoring and Assessment Approaches	Hydromodification Control / Management: State of the Practice	Building An Outreach Program: The Art, the Science and Community-Based Social Marketing
	Welcome, Opening Remarks and Overview Daniel Apt : RBF Consulting	Welcome, Opening Remarks and Overview Andre Monette : Part Part & Krainer	Welcome, Opening Remarks and Overview Bram Sercu : Ventura County Watershad Production District	Welcome, Opening Remarks and Overview Nancy Gardiner : Haley & Aldrich	Welcome, Opening Remarks and Overview <i>Stephen Groner : SGA</i>
	Bioretention Design, Construction and Maintenance: (a) Basic Siting and Design Component Darla Inglis : UC Davis (b) Aggregate, Soil Media, and Mulch Melanie Mills : Cal Poly San Luis Obispo (c) Advancement in Bioretention Media for Targeted Pollutant Removal Ryan Winston : North Carolina State University; Aaron Poresky : Geosyntec Consultants	Bram Sercu : Ventura County Judd Goodman :	Hydromodmodification Management to Date, Purpose <i>Dave Renfrew : Weston Solutions;</i>	 (a) Community-Based Social Marketing (CBSM) – Outreach Campaign Strategies and Getting to Behavior Change (b) Developing Motivators – Cialdini's Six Powers of 	
8:30 - 10:00		Watson & Gersbon; Laurie Walsb : San Diego Water Board; Julie Macedo : State Water Board	Donna Bodine : Geosyntec Consultants - Monitoring in LA: Mishaps, Musings, and the Municipal Permit Donna Chen, Jon Ball, Vivian Memory Cith of Iso Anada	Element 1: Physical Setting & Applicability Chris Bowles : CBEC; Arne Anselm : Ventura County Watersbed Protection District	Persuasion Techniques to Enhance CBSM Strategies <i>Stephen Groner : SGA</i>
			Marquez : City of Los Angeles - Developing a Multi-Agency Monitoring Program for the Bay Area Municipal Regional Permit Arleen Feng : Alameda County	Element 2: Performance Standard Jill Bicknell : Santa Clara Valley Urban Runoff Pollution Prevention Program	
10:00 - 10:15			BREAK (FOYER)		
	(d) Trees and Plants in Bioretention Areas Melanie Mills :	System Maintenance - Challenges to Operating and Maintaining Flood Control	Model Monitoring - Considerations for Optimal Monitoring Program Design	Element 3: Implementation Methods Lisa Austin : Geosyntec Consultants Element 4: Sizing / Design Guidance	(c) Building a Communications Plan(d) Developing Tactics from Social
10:15 - 11:45	Cal Poly San Luis Obispo Identifying Retrofit Opportunities in the Urban Environment Kevin Robert Perry : UC Davis	Deportunities the United States nment Heatber Stroud : UC Davis City of San Diego; Studies Downey Brand; David Burbenn : Burbenn & Gest Closing Remarks Closing Remarks	Brock Bernstein : Consultant - Lessons Learned from a Mature Monitoring Program Chris Crompton : County of Orange	Judd Goodman : (e) Ex Geosyntec Consultants; (e) Ex Doug Beyerlein : Nick I Clear Creek Solutions; Stephe Andy Collison : ESA-PWA Closir	Media to an Event (e) Evaluating Your Program Nick Laurrell, Stepben Groner : SGA Closing Remarks Stepben Groner : SGA
	Green Street – Case Studies and Examples Daniel Apt, Anna Lantin : RBF Consulting Closing Remarks		- San Gabriel River Regional Monitoring: A Model Program for the State Nancy Steele : Council for Watershed Health		
	Daniel Api : RBF				
11:45 - 1:30		EVHIBITOD POOLS (CI	AND SIERRA) AND LUNCH (PAVILIO		

WORKSHOP 11

Erosion Control and Stormwater Treatment Field Tour *Monday, September 9, All Day* A guided tour through the Lake Tahoe watershed, visiting sites where erosion control and stormwater treatment measures have been constructed to protect Lake Tahoe, a natural treasure.

Field Tour Leaders:

Jason Drew : Nichols Consulting Engineers; Jeff Endicott : AEI-CASC Consulting; Guest Speakers at each site 8:00 a.m. – meet outside the hotel lobby
8:30 a.m. sharp – buses depart
Box lunches will be provided
4:30 p.m. – buses return

	WORKSHOP 6 Alpine A	WORKSHOP 7 GRAND SIERRA C	WORKSHOP 8 Alpine B	WORKSHOP 9 MONUMENT PEAK A&B	WORKSHOP 10 EMIGRANT PEAK A&B
Workshop	What Every Stormwater Program Manager "Shall" Know	Receiving Water Limitations and Legal Basis for Regulating Hydromodification and Flow in TMDLs	MS4 Program Monitoring: New Permit Requirements, Stream Health Assessment and Monitoring Data Interpretation (Continuation)	Hydromodification Control / Management: State of the Practice (Continuation)	Stormwater: A Key Resource in Integrated Water Management
1:30 - 3:00	 Welcome, Opening Remarks and Overview : Daniel Apt : RBF Consulting Program Optimization and Lessons Learned: (a) Phase II Traditional Cathleen Garnand : Santa Barbara County (b) Phase II Non-Traditional Courtney Trask : UC Santa Cruz (c) Phase I Amanda Carr : City of Irvine Implementing the Phase II Permit Post-Construction Requirements Dan Cloak : Dan Cloak Environmental Consulting 	 Welcome, Opening Remarks and Overview : Andre Monette : Best, Best & Kreiger Hydromodification and Flow TMDLs Basis for Regulating Volume of Discharge and Implications for Proposed EPA Regulations Ryan Baron : County of Orange County Counsel; Mary Lynn Coffee : Nossaman LLP; Nathan Gardiner-Andrews : NACWA 	Statistical Analysis and Reporting - Ranking Sites for BMP Placement While Accounting for Permit Limits, Natural Background Levels, Number of Samples, and Exceedance Frequency Robert Pitt : University of Alabama - Using Data to Make Management Decisions/Prioritizations and Monitoring Program Revisions in Lake Tahoe Alan Hayvaert : Desert Research Institute - MS4 Pollutant Loads in Small Urban Watershed: Approaches to Supplement Monitoring Data Lester McKee : San Francisco Estuary Institute	Element 5: Monitoring and Adaptive Management <i>Tom Dalziel :</i> <i>Contra Costa County;</i> <i>Christine Sloan :</i> <i>San Diego County</i>	Welcome, Opening Remarks and Overview : Richard Boon : County of Orange Changing Paradigms in the Way We Manage Our Water Resources Carmel Brown : California Department of Water Resources State Leadership for Advancing Integrated Water Management: Introducing Water 360 Carmel Brown : California Department of Water Resources The Federal Push Toward Integrated Water Management Jack Landy or Gail Louis : U.S. EPA Region 9 The Role of the Water Boards and Other State Agencies in Integrated Regional Water Management Steven Moore : Board Member, State Water Board
3:00 - 3:30		BREAK AND EXH	IBITOR FOCUS (GRAND SIERRA)		
3:30 - 5:00	Innovative Ideas for Funding Your Stormwater Program John Bliss : SCI Consulting Group Program Effectiveness Assessment Karen Asbby : Larry Walker Associates Closing Remarks Daniel Apt : RBF Consulting	Receiving Water Limitations - Status of State Board Policy on Incorporating Receiving Water Limitations in Municipal Stormwater Permits and National Perspective on Current Requirements Melissa Thorme : Downey Brand; Theresa Dunbam : Somach Simmmons & Dunn; Shawn Hagerty : Best, Best & Krieger Closing Remarks Andre Monette : Best, Best & Kreiger	Special Studies - Performing a Successful Microbial Source Tracking Study: The Importance of Site Reconnaissance, Method Selection, and Data Interpretation Jared Ervin : University of California Santa Barbara - Watershed-Wide MS4 Outfall Dry Weather Bacteria Source Tracking Study Jo Ann Weber : San Diego County; Brandon Steets, Rita Kampalath : Geosyntec Consultants; Donna Ferguson : UC Los Angeles - Natural Loadings of Fecal Indicator Bacteria, Metals and Nutrients from Southern California Reference Streams: Improving the Scientific Basis for Water Quality Standards Martha Sutula : Southern California Coastal Water Research Project - Monitor, Model, Confirm, Assess – Bay Area Approaches to Estimating Stormwater Trash Generation and Assessing Progress Towards Load Reduction Goals Cbris Sommers : EOA, Inc. Closing Remarks Bram Sercu : Ventura County	Project Proponent Perspective: What is Being Built Mark Grey : Soutbern California BIA Potential Future Elements of Hydromodification Management Greg Gearbart : State Water Board; Eric Stein : Soutbern California Coastal Water Research Project Closing Remarks Nancy Gardiner : Haley & Aldricb	Experiences from the Tahoe Sierra Integrated Regional Water Management Group Lynn Nolan : Tahoe Public Utility District Successes and Lessons Learned from the One Water, One Watershed (OWOW) Program Celeste Cantu : Santa Ana Watershed Project Authority Innovative Case Studies in Integrated Water Management from Southern California and Seattle Eric Strecker : Geosyntec Consultants Closing Remarks – Next Steps Richard Boon : County of Orange; Carmel Brown : California Department of Water Resources
			Watershed Protection District		
5:00 - 6:00		EXHIBITO	Watershed Protection District R FOCUS (GRAND SIERRA)		

7:30a – 5:30p		REGIS	TRATION DESK (FOYER)			
7:30a - 9:30p			ORIENTATION (GRAND SIERRA C)			
8:00a – 7:30p			IBITS (GRAND SIERRA)			
PLENARY SESSION 8:30a – 9:40a	WELCOME AND OPENING REMARKS – Richard Boon, Chair, CASQA (PAVILION) KEYNOTE ADDRESS – <i>Mark Twain at Lake Tahoe</i> – David Antonucci					
9:40a – 10:00a		BREAK AND EXH	IBITOR FOCUS (GRAND SIERRA)			
	TRACK A Alpine a	TRACK B Alpine b	TRACK C grand sierra c	TRACK D MONUMENT PEAK A&B	TRACK E EMIGRANT PEAK A&B	
SESSION 1	STORMWATER TREATMENT	INDUSTRIAL PERMIT General Permit	TMDLs AND PROGRAM SPECIFIC COMPLIANCE Implementation in the Bay Area	STORMWATER PROGRAM MANAGEMENT	REGULATIONS, PERMITS & POLICIES	
MODERATOR	Lisa Austin : Geosyntec Consultants	Katherine Wagner : Downey Brand	Jon Konnan : EOA Inc.	Lisa Haney : Orange County Sanitation District	Scott Taylor : RBF Consulting	
10:00 - 10:30	Advancing Biofiltration Design to for Pollutant-Specific Effluent Limits and Enhanced System Longevity Aaron Poresky : Geosyntec Consultants	The Draft Industrial General Permit – Regulated and Regulator Perspectives Greg Gearbeart : State Water Board Matt Lentz : AMEC	Approaches to Reducing Urban Stormwater Runoff Pollutant Loads and Implementing the San Francisco Bay PCB and Mercury TMDLs Jon Konnan : EOA, Inc.	Getting Ahead of the Wave – City of San Diego Watershed Asset Management Planning Ed Othmer : URS Corporation	Establishing the Basis and Framework for Water Quality Low Impact Development Alternative Compliance Programs Mark Grey : Construction Industry Coalition on Water Quality	
10:30 - 11:00	Bioretention for Hydromodification Management and On-Site Retention: Verification of a Model for Predicting Performance <i>Tom Dalziel : Contra Costa Clean</i> <i>Water Program</i>		Efforts to Reduce Mass Loadings of PCBs in the City of Oakland CA Rebecca Tuden : City of Oakland	When Municipal Staff Become Researchers Deborab Mosley, James Hook : City of San Diego	Lessons Learned from Two Years of "Rigorous" Retain On-Site LID Implementation in Orange County <i>Richard Boon : County of Orange</i>	
11:00 - 11:30	Stormwater and Vector Control Program Design Elements Marty Scholl : Sacramento - Yolo Mosquito and Vector Control District	Programmatic Challenges to Industrial Stormwater Compliance <i>Matt Hillyard :</i> <i>Integral Consulting, Inc.</i>	Not as Easy as We Make it Look: Designing LID Stormwater Treatment Retrofits in Highly Constrained Urban Settings Lynne Scarpa : City of Richmond	Back to the Future: A Paradigm Shift and Application of the Scientific Method <i>Garrett Williams :</i> <i>E2 ManageTech, Inc</i>	San Diego MS4 Permit Adoption Matthew Rich : AMEC	
ALTERNATE	Are Low Impact Development Projects Accumulating Constituents that Represent a Long Term Risk – State of Science on LID Sumer Hasenin : City of San Diego		Using a Stakeholder Driven Process to Develop a TMDL – Driven Res- toration at Los Peñasquitos Lagoon Mike Hastings : Los Peñasquitos Lagoon Foundation	El Dorado County Lake Tahoe Municipal NPDES Program Overview – Doing More with Less – Implementer's Perspective Brendan Ferry : El Dorado County		
11:30 - 12:00		EXHIBITO	R FOCUS (GRAND SIERRA)			
12:00 - 1:30		LUNCH (PAVILIO	ON) – CASQA AWARDS PROGRAM			
	TRACK A Alpine A	TRACK B Alpine b	TRACK C GRAND SIERRA C	TRACK D MONUMENT PEAK A&B	TRACK E EMIGRANT PEAK A&B	
SESSION 2	SCIENTIFIC ADVANCES Partnerships for International Research and Education (PIRE)	INDUSTRIAL PERMIT Implementation	REGIONAL / INTEGRATED APPROACHES TO STORMWATER COMPLIANCE	MONITORING	EFFECTIVENESS ASSESSMENT Stormwater Programs	
MODERATOR	Ashmita Sengupta : Southern California Coastal Water Research Project	Matt Lentz : AMEC	Nicole West : LSA Associates, Inc.	David Gillett : Southern California Coastal Water Research Project	Kristina Schneider : AMEC	
1:30 - 2:00	Building Tools to Link Stormwater Best Management Practices (BMPs) to Stream Quality: A Joint Australian and U.S. Study Asbmita Sengupta : Southern California Coastal Water Research Project	Finding the Source of Dissolved Copper in Stormwater Using X-Ray Fluorescence <i>Ryan Janoch :</i> <i>Terraphase Engineering</i>	Rethinking the Flood Control Paradigm: An Integrated Planning Approach for Water Quality, Water Supply, Flood Control, and Neighborhood Revitalization in Austin, Texas Aaron Poresky :	Site-Specific Indices Improve Bioassessment in Complex Environments: An Introduction to the California Stream Condition Index Raphael Mazor : Southern California Coastal	Meeting the Challenge: the Ventura Stormwater Permit Three Years Later, Accomplishments, Lessons and the Future <i>Gerbardt Hubner : Ventura County</i> <i>Watershed Protection District</i>	
	A New Approach for Parameterization of Mass Transfer in the Photocatalytic Natural Treatment Systems <i>Morvarid Azizian :</i> <i>University of California Irvine</i>		Geosyntec Consultants	Water Research Project		

	TRACK A Alpine A	TRACK B Alpine b	TRACK C GRAND SIERRA C	TRACK D MONUMENT PEAK A&B	TRACK E EMIGRANT PEAK A&B	
SESSION 2	SCIENTIFIC ADVANCES Partnerships for International Research and Education (PIRE)	INDUSTRIAL PERMIT Implementation	REGIONAL / INTEGRATED APPROACHES TO STORMWATER COMPLIANCE	MONITORING	EFFECTIVENESS ASSESSMENT Stormwater Programs	
MODERATOR	Tom Lawrence : Stormwater Consultant	Matt Lentz : AMEC	Nicole West : LSA Associates, Inc.	David Gillett : Southern California Coastal Water Research Project	Kristina Schneider : AMEC	
	Detecting Change in the Stormwater Response of Urban Watersheds Using the Instantaneous Unit Hydrograph Method Asal Askarizadeb : Soutbern California Coastal Water Research Project	Stormwater Challenges and Solutions for Intermodal Facilities <i>Ross Dunning :</i> <i>Kennedy / Jenks Consultants</i>	Utilizing Innovative Design Solutions to Achieve Stream Channel Restoration and SSO Consent Decree Implementation Objectives for a Large Suburban Wastewater Collection System Laurence Magura :	Presence and Toxicity of Current-Use Pesticides in Urban Waterways and Implications for Stormwater Managers Armand Ruby : Armand Ruby Consulting	Source and Impact Strategies for Stormwater Management Plans Jon Van Rhyn : County of San Diego	
2:00 - 2:30	The Resiliency of Integrated Urban Water Systems: An Empirical Study on Transformative Social Change in Consumption Behavior and Implications for Achieving Water- Sensitive Urban Design Katbleen Low : University of California Irvine		Black & Veatch Corp			
2:30 - 3:00	Optimized Water Sensitive Urban Design: Trade-offs in Pollutant Removal Efficiency Megan Rippy : University of California Irvine	Industrial Dischargers – Think Outside the (Treatment) Box <i>Tim Simpson : AMEC</i>	Which Came First? The Watershed Management Plan or the Reasonable Assurance Analysis? Dustin Bambic : Tetra Tech	High Resolution Monitoring Data and Applications for Sacramento Stormwater Urban Runoff and Ambient Monitoring <i>Brian Laurenson :</i> <i>Larry Walker Associates</i>	Evaluating the Effectiveness of Source Control Measures for Pesticides <i>Visbakha Atre : EOA, Inc.</i>	
ALTERNATE				Tools of the Trade and Making the Call During the Wet Weather Season <i>Garth Engelborn : Weston Solutions</i>	Technical Guidance for Achieving Volume Reduction of Urban Highway Runoff: A Nationwide Perspective <i>Eric Strecker :</i> <i>Geosyntec Consultants</i>	
3:00 - 3:30		BREAK AND EXH	IBITOR FOCUS (GRAND SIERRA)			
	TRACK A Alpine a	TRACK B Alpine b	TRACK C GRAND SIERRA C	TRACK D MONUMENT PEAK A&B	TRACK E EMIGRANT PEAK A&B	
SESSION 3	STORMWATER TREATMENT	MONITORING	REGIONAL / INTEGRATED APPROACHES TO STORMWATER COMPLIANCE	STORMWATER PROGRAM MANAGEMENT	BEHAVIOR CHANGE	
MODERATOR	Anna Lantin : RBF Consulting	Garth Engelhorn : Weston Solutions, Inc.	Nicole West : LSA Associates, Inc.	Steve Herrera : Herrera Engineering Consultants, Inc.	Mathew Fabry : San Mateo County Water Pollution Prevention Program	
3:30 - 4:00	LID Selection and Sizing Tool for Achieving Water Balance in California Maureen Kerner : CSU Sacramento Office of Water Programs	The Stream Pollution Trends (SPoT) Monitoring Program: A Preliminary Assessment of Emerging Contamination and Toxicity Trends in California Bryn Pbillips : UC Davis	Central Valley Drinking Water Policy and Collaborative Science in the Sacramento- San Joaquin Delta Brian Laurenson : Larry Walker Associates	Developing User-Friendly Tools for Construction Stormwater Compliance and Management on the Stanford University Campus Julia Nussbaum : Stanford University	Lessons from Game Design: Psychology, Strategy, and Structure to Make Outreach More Engaging <i>Stephen Groner :</i> <i>S. Groner Associatesh</i>	
4:00 - 4:30	Generalizing Continuous Hydrologic Simulation for Rapid BMP Performance Assessment Marc Leisenring : Geosyntec Consultants	A New Paradigm? The Future of Pesticides & Toxicity Monitoring <i>Kelly Moran :</i> <i>TDC Environmental, LLC</i>	Specialized Integrated Watershed Runoff Management Planning for Large Planned Development Communities Bruce Pbillips : PACE Advanced Water Engineering	The Game Changer: How to Create a Cultural Shift to Achieve Breakthrough Results in Your SWPPP Program Kevin Drake : Integrated Environmental Restoration Services	Preventing Pollution from Shade Tree Mechanics: Using GIS, CBSM, and Multi-Ethnic Outreach to Change Behavior <i>Cynthia Knowles :</i> San Francisco Department of the Environment	

	TRACK A Alpine A	TRACK B Alpine B	TRACK C GRAND SIERRA C	TRACK D MONUMENT PEAK A&B	TRACK E EMIGRANT PEAK A&B
SESSION 3	STORMWATER TREATMENT	MONITORING	REGIONAL / INTEGRATED APPROACHES TO STORMWATER COMPLIANCE	STORMWATER PROGRAM MANAGEMENT	BEHAVIOR CHANGE
MODERATOR	Anna Lantin : RBF Consulting	Garth Engelhorn : Weston Solutions, Inc.	Nicole West : LSA Associates, Inc.	Steve Herrera : Herrera Engineering Consultants, Inc.	Mathew Fabry : San Mateo County Water Pollution Prevention Program
4:30 - 5:00	Development and Application of a Web-Based Post-Construction Storm- water BMP Feasibility Screening Tool Vaikko Allen : Contech Engineered Solutions	Pyrethroid Analysis – What Should We Be Looking For? <i>Ted Von Bitner : AMEC</i>	An Integrated Water Resources and Watershed Management Approach in Southern California through Development of Watershed Action Plans Daniel Apt : RBF Consulting	Building Compliance Bridges Lisa Haney : Orange County Sanitation Districts	The IPM Advocate Program: Changing How Pesticides are Sold in Retail Stores <i>Nita Davidson : Department of</i> <i>Pesticide Regulation</i>
ALTERNATE	Cloud Computing and Stormwater Control: Integrating the "Internet-of- Things," Green Infrastructure, and Hydromodification Management Jeffrey Bate : Geosyntec Consultants	Causal Assessment as Part of California's Bio-Objectives: What is It and How Does One Do It? David Gillett : Southern California Coastal Water Research Project		Lessons Learned from Linear Underground / Overhead Projects SWPPP Development and Implementation <i>Tania Curulla :</i> <i>Geosyntec Consultants</i>	
5:00 - 7:00	1	EXHIBITOR R	ECEPTION (GRAND SIERRA)		



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7:00a – 8:30a	QSD / QSP CONSTRUCTION FORUM (ALPINE A) – Chaired by Gerald Montgomery : Montgomery & Associates (see p. 13 for details)					
7:00a – 8:30a	LID ROUNDTABLE (ALF	PINE B) – Chaired by Scott Taylor :	RBF Consulting and Jennifer Krebs :	State Water Board (see p. 13 for det	ails)	
7:30a – 12:00p		REG	ISTRATION DESK (FOYER)			
8:00a - 1:30p		EXI	HIBITS (GRAND SIERRA)			
	TRACK A Alpine A	TRACK B Alpine B	TRACK C GRAND SIERRA C	TRACK D MONUMENT PEAK A&B	TRACK E EMIGRANT PEAK A&B	
SESSION 4	LAKE TAHOE	TRASH Regulation	TMDLS AND PROGRAM SPECIFIC COMPLIANCE Bacteria	STORMWATER PROGRAM MANAGEMENT Trending Issues	CONSTRUCTION PERMIT	
MODERATOR	Jason Drew : Nichols Consulting Engineers	Jim Scanlin : Alameda Countywide Clean Water Program	Amanda Carr : City of Irvine	Tracy Ingebrigsten : City of Laguna Beach	Sandy Mathews : Larry Walker Associates	
8:00 - 8:30		EXHIBIT	OR FOCUS (GRAND SIERRA)			
8:30 - 9:00	Importance of Stormwater Management in the Truckee River Watershed – Lake Tahoe to Pyramid Lake Terry Svetich : City of Reno	California's Trash Reduction Regulations Jonathan Bishop : State Water Board; Dale Bowyer : San Francisco Water Board	Steps Towards Bacteria TMDL Compliance: The Inner Cabrillo Beach Plan for Assessing Eligibility for a Natural Source Exclusion Designation <i>Lisa Kay : Weston Solutions, Inc.</i>	Illicit Discharge Detection & Elimination (IDDE) Through an Effective Dry Weather Outfall Monitoring Approach <i>Mary Anne Skorpanich :</i> <i>County of Orange</i>	Ask the Regulator – Insights and Lessons Learned by Regional Board Staff Inspecting Construction Sites Annalisa Kibara Paul Keiran Rich Muhl Bud Amorfini	
9:00 - 9:30	Watershed Outfall Inventory and Analysis – County of El Dorado Daniel Kikkert : El Dorado County		Achieving Recreation Use Water Quality Standards in Effluent Dominated Waterbodies Steven Wolosoff : CDM Smith	San Diego Marine Sediments and Storm Water Quality – the City of San Diego Shipyards Sediment Site Experience <i>Richard Haimann : HDR, Inc.</i>	Alex Alimobamadi Dannas Berchlold : State and Regional Water Boards	
9:30 - 10:00	An Innovative, Performance- Based Approach to Stormwater Management: The Lake Clarity Crediting Program Jeremy Sokulsky : Environmental Incentives, LLC		Malibu Creek Bacteria and Nutrient Implementation Plan Addendum Jason Burke : Ventura County Watershed Protection District; Brandon Steets : Geosyntec Consultants	Copermittees, Regulators and Stakeholders: Mock Watershed- Based Planning Process <i>Mikbail Ogawa :</i> <i>Mikbail Ogawa Engineering</i>		
ALTERNATE	Analysis of Storm Water Impacts on Impaired Waters within the Truckee Meadows MS4 Permit Area Jeffry Curtis : Stantec Consulting Services		Applying a Partitioning Coefficient Analysis to Identify Sources of Metal Pollution in Marina del Rey Harbor Jaime Sayre : Brown and Caldwell	The Sweet Smell of Success: Finding and Eliminating Illicit Connections in Seattle Adam Bailey : Seattle Public Utilities		
10:00- 10:30		BREAK AND EX	HIBITOR FOCUS (GRAND SIERRA)			
	TRACK A Alpine A	TRACK B Alpine b	TRACK C GRAND SIERRA C	TRACK D MONUMENT PEAK A&B	TRACK E EMIGRANT PEAK A&B	
SESSION 5	LAKE TAHOE	TRASH Implementation	REGIONAL / INTEGRATED APPROACHES TO STORMWATER COMPLIANCE	EFFECTIVENESS ASSESSMENT BMPs	CONSTRUCTION PERMIT	
MODERATOR	Jason Drew : Nichols Consulting Engineers	Jim Scanlin : Alameda Countywide Clean Water Program	Ruth Kolb : City of San Diego	Michael Drennan : Black and Veatch	Andrew Demers : StormwaterONE.com	
10:30 - 11:00	Assessing Lake Tahoe TMDL Baseline Pollutant Load Estimates and Load Reduction Strategies Brent Wolfe : Northwest Hydraulic Consultants	A New Paradigm for a Long-Term Issue – Bay Area Stormwater Trash Load Reduction Framework and Cost-Effective Assessment Strategies <i>Chris Sommers : EOA, Inc.</i>	Stormwater Capture in California: How Far Can It Go? <i>Catherine Tyrrell :</i> <i>RMC Water and Environment</i>	Making Every Bucket County, Effective Catch Basin Cleaning Strategies <i>Clement Brown : City of San Diego</i>	Tools and Techniques in Permitting for the Water System Improvement Program (WSIP) of the San Francisco Public Utilities Commission (SFPUC) Alan Wong : San Francisco Public Utilities Commission	
11:00 - 11:30	Nevada Tahoe Implementing Agencies TMDL Storwmater Load Reduction Plans Karin Staggs : Nevada Taboe Conservation District	Regional Assessment of Trash in Southern California Streams <i>Ted Von Bitner : AMEC</i>	Stormwater Harvesting as an Element of Local Water Supply Development – The Central Basin Municipal Water District Experience <i>Richard Haiman : HDR, Inc.</i>	Rapid Assessment Tools in Tahoe to Verify Effective Water Quality Improvement Actions <i>Nicole Beck : 2NDNATURE LLC</i>	Balancing Cost of Compliance with Appetite for Risk on a Construction Site Tanya Biliezikjian : RBF Consulting	

	TRACK A Alpine A	TRACK B Alpine b	TRACK C GRAND SIERRA C	TRACK D MONUMENT PEAK A&B	TRACK E EMIGRANT PEAK A&B
SESSION 5	LAKE TAHOE	TRASH Implementation	REGIONAL / INTEGRATED APPROACHES TO STORMWATER COMPLIANCE	EFFECTIVENESS ASSESSMENT BMPs	CONSTRUCTION PERMIT
MODERATOR	Jason Drew : Nichols Consulting Engineers	Jim Scanlin : Alameda Countywide Clean Water Program	Ruth Kolb : City of San Diego	Michael Drennan : Black and Veatch	Andrew Demers : StormwaterONE.com
11:30 - 12:00	Lake Tahoe Project Alternatives Evaluation: On-the-ground Application of PLRM <i>David Rios :</i> Nicbols Consulting Engineers	Oakland's Trash Reduction Effort: Doing More With Less <i>Lesley Estes : City of Oakland</i>	Integration of Modeling Technologies for Stormwater Quality and Integrated Water Resources Planning and Management Mark Hanna : Geosyntec Consultants	Cost Efficient BMP Effectiveness Evaluations at Lake Tahoe, CA <i>Russell Wigart :</i> <i>County of El Dorado</i>	A Case Study of the \$900 Million Dollar Folsom Joint Federal Project, Folsom CA. Storm Water Management of a Multi-Phase, Multi-Contractor, Multi-Permit, Risk Level 3 Project Daniel Holmberg : U.S. Army Corps of Engineers
ALTERNATE	Low Impact Development Guidebook for High Elevations, Placer County <i>Melanie Carr :</i> <i>cbec, inc. eco engineering</i>	Alameda County Reusable Bag Ordinance Meri Soll : Alameda County Waste Management Authority		The Importance of Infiltration BMP Maintenance for Achieving Pollutant Load Reduction Goals in the Tahoe Basin <i>Gary Conely : 2NDNATURE LLC</i>	Meeting Effluent Guidelines in Construction Stormwater Runoff <i>Tim Bauters :</i> <i>Golder Associates Inc.</i>
12:00 -12:15		EXHIBITOR FOCUS	AND PRIZE DRAWING (GRAND SIERR	A)	
12:15 - 1:30			LUNCH (PAVILION)		
	TRACK A Alpine a	TRACK B Alpine B	TRACK C GRAND SIERRA C	TRACK D MONUMENT PEAK A&B	TRACK E EMIGRANT PEAK A&B
SESSION 6	LAKE TAHOE	STORMWATER TREATMENT	REGIONAL / INTEGRATED APPROACHES TO STORMWATER COMPLIANCE	TMDLS AND PROGRAM SPECIFIC COMPLIANCE	CONSTRUCTION PERMIT
MODERATOR	Elisa Garvey : Carollo Engineers	Andrea Crumpacker : Weston Solutions, Inc.	Sara Huber : Weston Solutions, Inc.	Armand Ruby : Armand Ruby Consulting	Lisa Haney : Orange County Sanitation District
1:30 - 2:00	The Caltrans Lake Tahoe Alternative Abrasives Study: Cleaner Sand for Cleaner Runoff <i>Stefan Schuster : CDM Smith</i>	Monitoring the Success of Green Infrastructure in Southern California Urban Retrofits Kristy Morris : Council for Watersbed Health	Sustainable Project Planning Using the Institute for Sustainable Infrastructure EnvisionTM Sustainability Rating System Tool <i>Suzanne Wilkins : CDM Smith</i>	How SSOs Can Aid MS4s Comply with Metals TMDLs and Criteria <i>Chris Minton :</i> <i>Larry Walker Associates</i>	Struggles and Lesson's Learned with Determining "Final Stabilization" on USACE Construction Projects John Baum : U.S. Army Corps of Engineers
	How Important is Private Property	Catchment Scale Impacts to	Creating a Sustained Green	Nutrient and Sediment Accounting	Rainfall in the Forecast?
2:00 - 2:30	in Achieving Load Reductions for Water Quality Improvement Projects Associated with the Lake Tahoe TMDL? Kelley Kelso : Nichols Consulting Engineers	Hydrology and Water Quality of Residential Stormwater Street Retrofits in Wilmington, North Carolina Ryan Winston : North Carolina State University	Infrastructure Retrofit Program — Pipe Dream or Potential Reality? Matt Fabry : San Mateo Countywide Water Pollution Prevention Program	for Urban BMPs in the Chesapeake Bay TMDL Thomas Schueler : Chesapeake Stormwater Network	Learn the Difference Between a PoP and a QPF <i>Baxter Vieux :</i> <i>Vieux & Associates, Inc.</i>
2:00 - 2:30 2:30 - 3:00	in Achieving Load Reductions for Water Quality Improvement Projects Associated with the Lake Tahoe TMDL? <i>Kelley Kelso :</i>	of Residential Stormwater Street Retrofits in Wilmington, North Carolina <i>Ryan Winston</i> :	Infrastructure Retrofit Program – Pipe Dream or Potential Reality? Matt Fabry : San Mateo Countywide	for Urban BMPs in the Chesapeake Bay TMDL <i>Thomas Schueler :</i>	a PoP and a QPF <i>Baxter Vieux :</i>
	in Achieving Load Reductions for Water Quality Improvement Projects Associated with the Lake Tahoe TMDL? Kelley Kelso : Nichols Consulting Engineers Taylor Creek Snow Park Infiltration BMP's – a Fiscally Sustainable and Regulatory Compliant Strategy at Lake Tahoe, CA Michael Alexander :	of Residential Stormwater Street Retrofits in Wilmington, North Carolina <i>Ryan Winston :</i> <i>North Carolina State University</i> Innovative and Cost Effective Retrofit Design for First Flush Pollutant Treatment at the Ventura County Government Center Parking Lot Jason Burke : Ventura County	Infrastructure Retrofit Program – Pipe Dream or Potential Reality? Matt Fabry : San Mateo Countywide Water Pollution Prevention Program San Francisco Bay Area IRWMP – Funded Stormwater Projects Jennifer Krebs :	for Urban BMPs in the Chesapeake Bay TMDL <i>Thomas Schueler :</i> <i>Chesapeake Stormwater Network</i> A Tale of Two Mercury Mines: Lessons Learned Relevant to Any Mercury-Impaired Waterbody	a POP and a QPF Baxter Vieux : Vieux & Associates, Inc. Lessons Learned from Linear Underground/Overhead Projects SWPPP Development and Implementation Tania Curulla :

	TRACK A Alpine A
SESSION 6	LAKE TAHOE Extended Session
MODERATOR	Elisa Garvey : Carollo Engineers
3:00 - 3:30	Catchment-Scale Evaluation of FSP Load Predictions by the Pollutant Load Reduction Model (PLRM) Maggie Mathias : 2NDNATURE LLC
3:30 - 4:00	Hybrid BMP Project—Rain Gardens in Incline Village, NV Michael Pook : Nevada Taboe Conservation District
4:00 - 4:30	Lake Forest Erosion Control Project – The Restoration of Lake Forest Creek Asbley Santti : Wood Rodgers

QSD / QSP CONSTRUCTION FORUM

Wednesday, September 11 7:00 a.m. – 8:30 a.m., Alpine Ballroom A

CASQA encourages all QSDs and QSPs to attend. The forum is intended to provide an opportunity to network, discuss lessons learned, hear presentations on topics of current concern, and discuss issues relevant to QSDs and QSPs. The program includes:

- Introduction & Forum Purpose Gerald Montgomery : Montgomery & Associates, Inc.
- Recent Enforcement Update
 Melissa Thorme : Downey Brand
 LUP Lessons Learned
- Jennifer Peterson : Nolte Vertical Five
- Update on Current Statistics and Overview of New Way for P.E.s and Geologists to Obtain QSD Status With the SWRCB Brian Currier : California State University Sacramento
- Panel Discussion with Jeff Endicott : AEI-CASC; Jennifer Peterson, Brian Currier and Melissa Thorme

LID ROUNDTABLE

Wednesday, September 11 7:00 a.m. – 8:30 a.m., Alpine Ballroom B

The purpose of the roundtable will be to facilitate a conversation about the following topics:

- Funding Needs to Build a Robust LID/Green Infrastructure Program
- Strategies to Find Funding
- ✤ Barriers to Funding and How to Overcome Them

A summary of the main discussion points will be provided to participants.

 Chaired by Scott Taylor : RBF Consulting and Jennifer Krebs : State Water Board



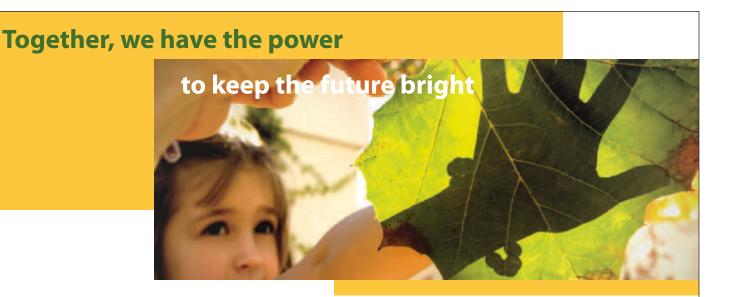
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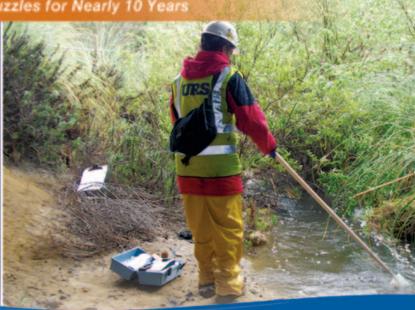
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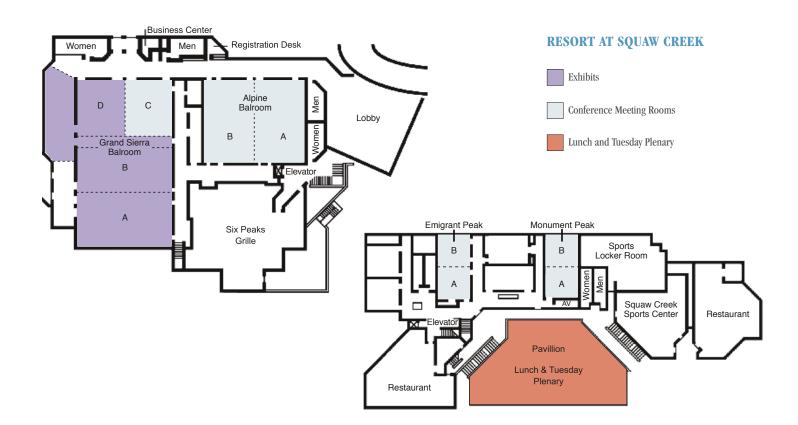
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4	Hanna Instruments	Josh Ryan	270 George Washington Highway, Smithfield, RI 02917 Phone (800) 426-6287	www.hannainst.com
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6	CONTECH Engineered Solutions	Vaikko P. Allen II	2550 Bonmark Drive, Ojai, CA 93023 Phone (310) 850-1736	www.contech-cpi.com
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10	United Storm Water, Inc.	Lydia Perry	14000 East Valley Blvd., Industry, CA 91746 Phone (626) 890-7078	www.unitedstormwater.com
11	Downstream Services, Inc.	Kim Carr	2855 Progress Place, Escondido, CA 92029 Phone (760) 746-2544	www.downstreamservices.com
12	Oldcastle Precast	John Scott	7921 Southpark Plaza, Suite 200, Littleton, CO 80120 Phone (888) 965-3227	www.stormcapture.com
13	CUES	Kevin Widmer	630 Eubanks Court, Suite K, Vacaville, CA 95688 Phone (707) 449-1034	www.cuesinc.com
14	Rinker Materials Concrete Pipe Division	Jim Johnston	23200 Temescal Canyon Road, Corona, CA 92883 Phone (909) 322-7604	www.rinkerpipe.com
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16	Bio Clean Environmental/ Modular Wetlands	Janet Kent	2972 San Luis Rey Road, Oceanside, CA 92058 Phone (760) 433-7640	www.BioCleanEnvironmental.com
17	cbec, inc. eco engineering	Melanie Carr	2544 Industrial Blvd., West Sacramento, CA 95691 Phone (916) 231-6052	www.cbecoeng.com
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22	Stormwater USA, LLC	Andrew Demers	290 Pratt Street #10, Meriden, CT 06450 Phone (877) 257-9777	www.StormwaterONE.com
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24	REM Revel Environmental Manufacturing, Inc.	Marcel Sloane	960 B Detroit Ave., Concord, CA 94518 Phone (925) 676-4736	www.remfilters.com
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28	C.I. Agent StormWater Solutions	Jamie Aderhold	5142 Bolsa Ave., #105, Huntington Beach, CA 92649 Phone (714) 892-4919	www.ciagent-stormwater.com

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31	American Peat Technology	Ryan Menzel	36203 350th Ave., Aitkin, MN 56431 Phone (877) 257-5906	www.aptsorb.com
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33	PACE Advanced Water Engineering	Michelle Hoalton	17520 Newhope Street, Suite 200, Fountain Valley, CA 92708 Phone (714) 481-7300	www.pacewater.com
34	Jensen Precast	Marcia Neese	825 Steneri Way, Sparks, NV 89431 Phone (775) 352-2709	www.jensenprecast.com
35	SoundEarth Strategies, Inc.	Mike Chase	3000 Joshua Court, Bakersfield, CA 93301 Phone (866) 850-1900	www.soundearthinc.com
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38	NV5	Jennifer Peterson	15070 Avenue of Science, Suite 100, San Diego, CA 92128 Phone (858) 385-0500	www.nv5.com
39	State Water Resources Control Board	Annalisa Kihara	1001 I Street, 15th Floor, Sacramento, CA 95814 Phone (866) 563-3107	www.waterboards.ca.gov
40	Advanced GeoEnvironmental, Inc.	Robert Marty	837 Shaw Road, Stockton, CA 95215 Phone (800) 511-9300	www.advgeoenv.com
41	SWIMS, Inc. Storm Water Inspection & Maintenance Services	Ric Campos	P.O. Box 1627, Discovery Bay, CA 94505 Phone (925) 516-8966	www.swimsclean.com
42	Clearwater Solutions, Inc.	Joe Arthur	P.O. Box 2078, Vista, CA 92083 Phone (951) 315-7777	joe@clearwaterbmp.com
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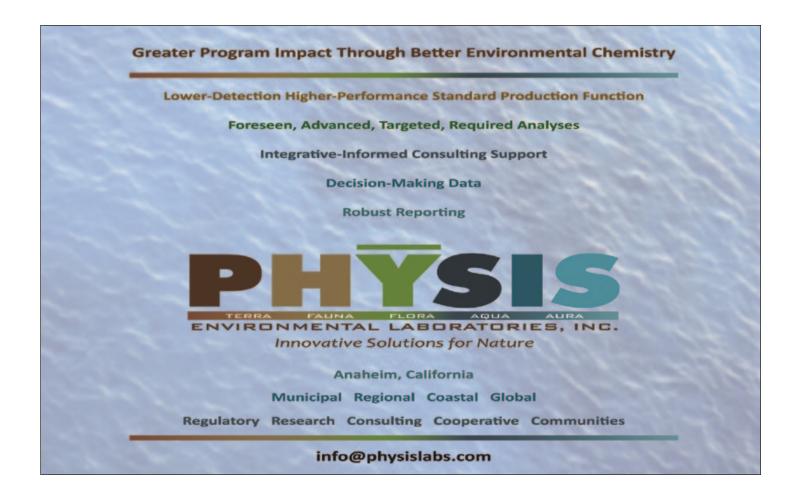


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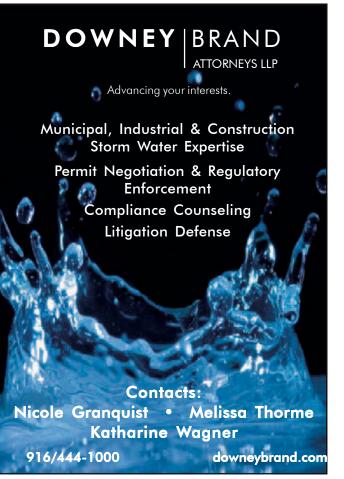


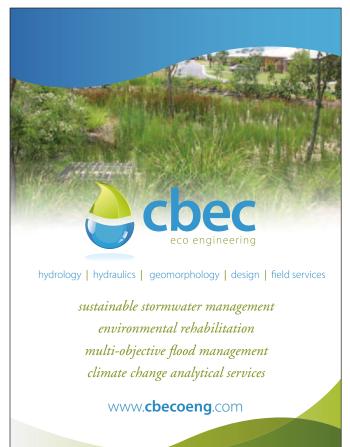
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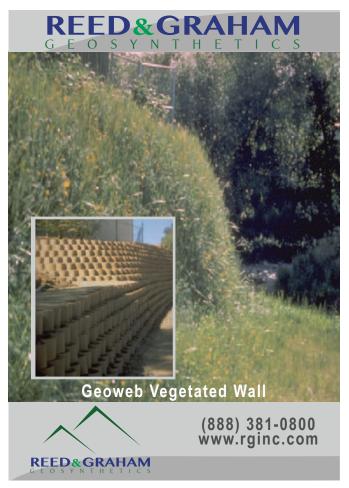


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