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California Stormwater
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Clockwise from top left: Creek Clean Up in Sacramento; Water quality assessment in Orange County; Geoff Brosseau of CASQA honoring State Senator Christine Kehoe with an award for her landmark legislation – SB346, the brake pad bill; Workshop at the annual CASQA Conference

© Džlaniš Miraniuk | Dreamstime.com (cover); courtesy of the City of Sacramento (top left); by Orange County Public Works (top right); by Chris Crompton (bottom right); by Terrie Medeiros (bottom left)



We started 2012, the anniversary year of both the Clean Water Act and the Water Quality Act, anticipating a rising tide of regulation, and over the last 12 months California Stormwater Quality Association (CASQA) has been fully engaged in all of the significant rulemaking that has sought to further develop the legal and regulatory framework for stormwater. While California continues to be in the forefront of policy development, CASQA and its members are also in the forefront of managing stormwater. Consequently the year has provided an opportunity to highlight one of the vital purposes of CASQA, which is to keep our membership apprised, engaged and striving always to be influential in the discussion of how to best advance the practice of stormwater management in California.

I believe that CASQA has continued over the last year to be a diligent steward of the resources and trust placed with us, enhanced the standing of

our profession, and has very effectively used our subcommittees to apply the expertise of our membership to addressing the compelling challenges and priority issues of concern presented by the stormwater mandate. I would offer the following highlights of CASQA's 2012:

- True Source Control: We were very pleased this year to formally recognize the Department of Pesticide Regulation's new rules for pyrethroid pesticide use. They became effective this year and are anticipated to significantly curtail the major source of wet weather toxicity. Following SB 346, the regulations represent another CASQA "true source control" success story. At the same time, our Pesticide Subcommittee has used the pesticide registration process to provide USEPA's Office of Pesticide Programs with unstinting commentary on the need to properly consider surface water quality impacts during re-registration.
- Phase II Permit: The constrained fiscal condition of many of our smaller communities means that Phase II permit compliance and effective engagement in the permitting process is a significant challenge for many cities. Our Phase II Subcommittee has engaged over 145 stakeholders representing over 30 regulated entities in the development of two major comment submittals and maintained a productive working relationship with the State Water Board.

- Ninth Circuit Decision: In July 2011, the Ninth Circuit Court of Appeals essentially nullified the "Iterative Process" as the basis of municipal permit compliance. This decision has been CASQA's priority issue this year and we were successful in encouraging the State Water Board to hold a workshop in mid-November specifically to consider the vital need for new regulatory policy in this area and, indeed, CASQA's own specific policy recommendation. A CASQA press release on this issue was even reported in the Wall Street Journal.
- Professional Development: The Training Subcommittee continued oversight of the Construction General Permit QSD/QSP Training in 2012. CASQA has now trained 108 Construction General Permit Trainers of Record (ToR), issued a new ToR Request For Qualifications, and will have additional qualified ToRs in the new year. In addition, this Subcommittee was awarded a Proposition 84 Stormwater Grant to provide assistance and training for municipalities throughout California in updating their municipal codes to remove barriers to Low Impact Development (LID). The Training Subcommittee continues to lead the development of the California LID Web portal that launched in 2011 and provides LID resources and online training specific to California.

I am also very happy to report a continued growth in our membership, which I take as validation of both the work of the Membership Committee and the esteem in which our organization and its products and services are held. Of particular note was this year's annual conference. The solicitation for abstracts presented our technical program team with twice the number the number of abstracts that we had time slots for, our BMP technologists and service providers filled all of the space in the conference exhibit hall, and attendance was up by 20 percent compared to the 2011 conference. Our profession appears to be on a rising tide.

I have thoroughly enjoyed my first year as your Chair of the organization and believe we are at the forefront, with our members, of improving water quality in the creeks, streams and rivers of our populous urban landscapes. Sustaining the progress of the last 40 years will require substantial amounts of trust, courage, commitment and, in particular, ingenuity – I know that CASQA and the CASQA membership can deliver.

– Richard Boon
Chair of the CASQA Board of Directors

The California Stormwater Quality Association is dedicated to developing and implementing effective stormwater quality management programs. CASQA membership is comprised of stormwater practitioners, NPDES Permit holders and parties engaged in the improvement of stormwater quality and employed by private corporations, municipalities, the state and the federal government.



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Organization Overview

CASQA's Mission

"Advance stormwater quality management through collaboration, education, implementation guidance, regulatory review, and scientific assessment."

CASQA developed a strategic plan to guide the efforts of the Association. The plan is structured around a series of technical and organizational goals. The programs CASQA pursues will support the goals of the association and provide value for the CASQA membership through the development of more effective stormwater quality programs. The principal technical goals in the strategic plan are:

- Collaboration
- Education and Outreach
- Implementation Guidance
- Regulatory Review
- Scientific Assessment

Organizational Structure

Board of Directors

The CASQA Directors (eleven elected volunteers) provide the vision and direction for CASQA, manage its activities and affairs, and exercise the Association's corporate powers. The Board of Directors is responsible for, among other things: (i) adopting an annual budget, (ii) adopting the annual dues schedule, and (iii) adopting policies and positions concerning regulations, legislation and litigation. Since 2002, the Board of Directors has guided CASQA to become a widely recognized and well respected nonprofit, educational, scientific, and professional association.

Officers

Officers of the corporation are: Chair, Vice-Chair, Treasurer, Secretary, and Executive Program Coordinator. Officers are elected by the Board of Directors and serve two-year terms.

Executive Director

The CASQA Executive Director manages the day-to-day activities of CASQA, serves as the primary liaison with members, government agencies, and other organizations, and helps to set and achieve the vision for the future and growth of CASQA.

Committees of the Board of Directors

The Board of Directors creates committees that accomplish the goals of CASQA, each consisting of two or more directors, and other persons that the directors may appoint. Standing board committees are: Awards, Bylaws Review, Executive Program Committee (EPC), Finance, and Membership.

AWARDS advances the stormwater quality management profession by identifying and recognizing exemplary leadership, outstanding projects, activities, and contributions to the field of stormwater quality management.

BYLAWS REVIEW reviews the bylaws annually and makes recommendations for revisions as necessary to ensure smooth and efficient operation of CASQA.

EXECUTIVE PROGRAM comprises no more than twenty-seven (27) members and directs the technical work of the association through subcommittees.

FINANCE manages CASQA's fiscal resources, proposes the annual operating budget, and oversees the membership invoices.

MEMBERSHIP retains existing members, outreaches to potential new members, and improves membership value.

(continued on next page)

Other Leadership

Subcommittees of the Executive Program Committee

Fourteen subcommittees focus on different areas of stormwater management, under the auspices of the EPC. The basic charter of each subcommittee is outlined in the summary to the right.

CASQA Representatives

CASQA encourages individuals to serve on committees and other groups to represent the interests of stormwater quality management and CASQA members.



By Terrie Medeiros

2012 Conference Co-Chairs Tanya Bilezikjian and Gene Estrada

EPC Subcommittees Summary

BEST MANAGEMENT PRACTICES (BMPs) provides contemporary information on BMPs primarily through the BMP Handbooks.

CONFERENCE serves to increase awareness and knowledge of stormwater quality management issues through developing the annual CASQA conference and associated workshops.

CONSTRUCTION identifies emerging issues and tracks trends and regulatory requirements for construction stormwater dischargers and assists members with identifying possible solutions to evolving regulatory requirements.

EFFECTIVENESS ASSESSMENT provides input and guidance on stormwater program effectiveness assessments, including a standardized conceptual approach to evaluating municipal program elements.

INDUSTRIAL ensures the issues and concerns of regulated industrial stormwater discharger members are represented in policies and regulations, including permitting and numeric effluent limits.

LEGISLATION tracks stormwater related legislation in the California Senate and Assembly, and United States Congress, prepares quarterly legislative summaries for CASQA members, and prepares fact sheets on key legislation that can be used by members to educate their organizations about potential impact of proposed legislation.

MONITORING AND SCIENCE improves scientific and technical basis of stormwater management programs by developing research and monitoring priorities and seeking collaborators, partners, and grant funding for needed research.

PESTICIDES addresses pesticide uses that impact stormwater discharges, provides input to USEPA and the California DPR to improve regulations, compiles relevant information, assists members with compliance strategies, and coordinates its activities with other agencies statewide.

PHASE II seeks to educate and engage Phase II programs in stormwater management issues and provides a forum for information exchange and collaboration.

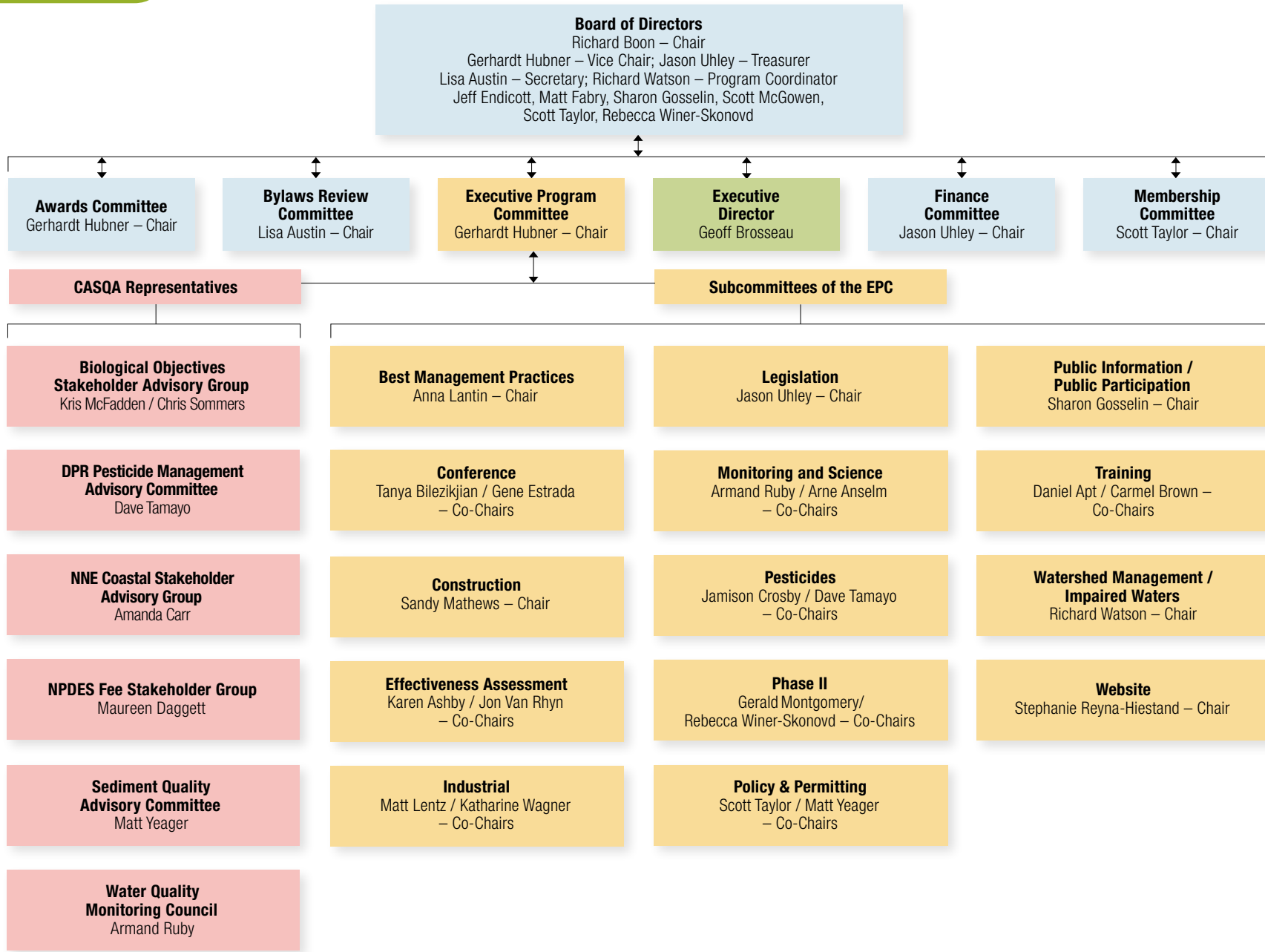
POLICY AND PERMITTING develops comments and testimony on State, USEPA, and precedent-setting regional policies and permitting initiatives, and promotes the development of a statewide stormwater policy.

PUBLIC INFORMATION / PUBLIC PARTICIPATION provides a forum for stormwater public outreach professionals to share ideas and assists in coordinating outreach efforts in California.

TRAINING oversees the development and implementation of long-term sustainable training programs to meet the needs of California stormwater practitioners.

WATERSHED MANAGEMENT AND IMPAIRED WATERS promotes the development and application of appropriate water quality standards through tracking and commenting on 303d listings and policy and implementation of TMDLs, facilitates source control, and provides guidance on hydromodification management.

WEBSITE maintains the CASQA website as a stormwater management resource for members and the general public.



CASQA Recognizes Excellence in Stormwater Quality Management

CASQA presented two awards at its Eighth Annual Stormwater Conference Awards Luncheon on November 6, 2012, at the Hilton San Diego at Mission Bay.

“The Awards Committee evaluated how creative and innovative organizations could be as they addressed stormwater and environmental challenges in their communities. These particular projects embody both best practices and creative concepts in stormwater management. We recognize their success, innovation and dedication to the improvement of stormwater quality in California,” said Gerhardt Hubner, Awards Committee chair.

This year’s two award recipients received recognition for excellence in two categories:

Outstanding Stormwater BMP Implementation Award

LA SANITATION-CITY OF LOS ANGELES Garvanza Park Stormwater BMP Project

The LA Sanitation-City of Los Angeles partnered with North East Trees, a community-based nonprofit organization, on the Garvanza Park Stormwater BMP Project. The project had two primary goals: to reduce the amount of polluted runoff that enters storm drains, streams and the ocean, and to maximize the amount of stormwater recharged into aquifers to help offset water pumped out of aquifers by water agencies and other groundwater users.

The Garvanza Park Stormwater BMP Project represents an exceptional, multi-use stormwater project in a number of important ways. Garvanza Park is a public park located in a heavily urbanized area of the northeast part of the Los Angeles where retrofit options are extremely limited. This project uses the existing park to house a below-ground water treatment facility, which not only enhances water quality, but also holds close to half of the collected rainwater for irrigation use within the park. It’s estimated that this project reduces pollutant loads in stormwater by 90 percent.

“LA Sanitation-City of Los Angeles is extremely proud to have CASQA recognize the Garvanza Park Project for the ‘Outstanding Stormwater BMP Implementation’ award,” said Assistant Division

“These particular projects embody both best practices and creative concepts in stormwater management. We recognize their success, innovation and dedication to the improvement of stormwater quality in California.”

– Gerhardt Hubner

Manager, Wing Tam. “It was important for us to take an existing park and use it to make our improvements, enhancing the water quality, creating a sustainable source of water for the park, and replenishing our precious water resource in the groundwater. Garvanza Park Project demonstrates LA’s ongoing commitment to clean water, protecting the environment, and promoting a sustainable community and lifestyle for generations to come.”
(continued on next page)



Construction of the below-ground water treatment facility at Garvanza Park in Los Angeles (left); Project features such as storm drains, sedimentation, retention and settling basins, pre-treatment systems and infiltration gallery (right)

Vik Bapna, California Watershed Engineering (on behalf of the City of Los Angeles), accepting award from Gerhardt Hubner on right

Courtesy of the City of Los Angeles (left and center), by Chris Crompton (right)

Outstanding Sustainable Stormwater Project Award

CITY OF ELK GROVE Rain Garden Plaza

The Elk Grove Rain Garden Plaza is a demonstration garden for sustainable stormwater landscape design, located in the heart of the City of Elk Grove adjacent to City Hall. The goal of the project is to educate, inspire and motivate residents and business owners to design and/or retrofit their landscapes using low-impact development (LID) features and eco-friendly landscaping. Through interactive features and interpretive signage, this accessible inviting Plaza teaches visitors of all ages to have fun as they learn about easy ways to reduce runoff, eliminate the use of harmful chemicals, and use water efficiently, all while reducing greenhouse gases in the process.

“The City of Elk Grove is excited and truly honored to receive this prestigious award from CASQA for



Courtesy of the City of Elk Grove (left and far left)

Outstanding Sustainable Stormwater Project,” said Engineering Services Manager, Darren Wilson. “The Elk Grove Rain Garden Plaza was built to educate the public by showcasing various innovative stormwater management techniques and sustainable landscaping practices used to promote water conservation, groundwater recharge and source control, create wildlife habitat, improve water

quality and protect downstream aquatic resources. By applying these techniques and practices at their own residences and businesses, the public can contribute their part by reducing their carbon footprint.” The awards program identifies and recognizes creative approaches, outstanding projects, best practices and exemplary accomplishments in the field of stormwater quality management.

CASQA awards are available to both public and private projects and individuals from public agencies and private businesses. Award candidates must be nominated by a CASQA member and are evaluated on demonstrated excellence, ingenuity, creativity, professionalism and documented results. Awards may be made at local, regional and statewide levels.



Accepting the award from Gerhardt Hubner on right: Connie Nelson, City of Elk Grove, Fernando Duenas, Willdan Engineering, and Darren Wilson, City of Elk Grove



Outstanding Service Award winners (from left to right): Katharine Wagner, Matt Lentz, Rebecca Skonovd-Winer, Anna Lantin, Jamison Crosby, Dave Tamayo, Kelly Moran, Stephanie Reyna-Hiestand, Carmel Brown, Brian Currier, and Karen Ashby, Daniel Apt, Chris Crompton, Scott Taylor, Richard Watson (Not shown: Jason Uhley)

By Chris Crompton (far left) and Terrie Medeiros (left)

Looking Forward – 2013

In 2013 the Board of Directors, Executive Program Committee and its subcommittees will be engaged in the following:

RECEIVING WATER LIMITATIONS

We need a statewide policy that provides compliance pathways that predicates attainment of Receiving Water Limitations/Discharge Prohibitions through a robust and meaningful “Iterative Process.” This task will be a major challenge for CASQA. However, resolving what is most likely the greatest single issue of concern to the regulated community is clearly the number one priority for CASQA in 2013. The Board will be engaged directly in this issue.

US EPA RULEMAKING

Delayed from 2012, USEPA is anticipated to expand the reach of the stormwater mandate in 2013. USEPA staff will be attending our January meeting and will hopefully be able to shed light on the latest content and timing. Our Policy and Permitting Subcommittee will be the focal point of CASQA’s review and commentary on the first major new rulemaking for stormwater since 1990.

EFFECTIVENESS ASSESSMENT MANUAL

Efforts to publish Version 2.0 of the CASQA Effectiveness Assessment Manual were given a major assist toward the end of 2012 with the award of a Proposition 84 Grant. The Effectiveness Assessment Manual and a web portal will be completed in 2013. The Effectiveness Assessment Subcommittee is leading this effort.

PHASE II AND INDUSTRIAL PERMITS

The Phase II MS4 Permit and the Industrial Permit are now expected to be adopted in 2013. There will be major work undertaken by the Phase II, Industrial, Training and BMPs Subcommittees in 2013 as we continue to engage in the permitting process but then also in transitioning to developing the tools and training to assist with permit implementation.

LAND DEVELOPMENT AND WATER RESOURCE MANAGEMENT

The increasing focus on hydromodification controls is prompting questions about stream restoration, the appropriate regulation of land development for water quality protection, and alternate expressions of the engineered urban stream. Concurrently, there was compelling evidence in 2012 that, from the perspective of holistic water resource management, stormwater may finally be “coming in from the cold.” As water providers seek to address changing

rainfall patterns and the vulnerabilities of the State’s water supply infrastructure, urban runoff is getting much more scrutiny as a source of local supply augmentation. CASQA is looking forward to contributing significantly to the discussion in 2013 to create policy and permits that support a holistic approach to water quality management and to optimize multiple water resource objectives.

WEBSITE

We recognize that our website is the first introduction for many to CASQA. Our website will undergo a major re-construction in 2013.

CONFERENCES

The CASQA 2013 conference will be held in Squaw Valley, Lake Tahoe from September 9-11, the 2014 conference will be held at the Hyatt Orange County, September 15-19, and the 2015 conference will be held at the Hyatt Monterey, October 19-21. The CASQA Annual Conference is the premier forum for technical exchange and networking on stormwater.



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As we have done since our inception as an organization, CASQA will continue to monitor and keep you updated on important issues in stormwater emerging nationally, on statewide basis, or regionally. We will continue to ensure that you have every opportunity to be influential in the policy recommendations and positions that we put forth in the name of our organization and on your behalf. Finally, we look forward to seeing you at our 2013 Annual Conference in Squaw Valley in September.

– Richard Boon

The CASQA Executive Program Committee is chaired by the Vice Chair of CASQA. The Executive Program Committee directs a series of subcommittees to complete the business of the organization. The subcommittees are composed of an all-volunteer membership that develop products, direct CASQA consultants and provide information to improve surface water resources in California. Following are brief reports from selected subcommittees of the Executive Program Committee for 2012:

BMPs Subcommittee

Anna Lantin, Chair

The Best Management Practices (BMPs) Subcommittee continued to provide contemporary information for stormwater practitioners on BMPs through the CASQA BMP Handbooks and web portals. In 2012, annual updates were made to the contents and tools available on the Construction BMP Handbook web portal to reflect the 2012 amendments to the State's Construction General Permit including updates to the Stormwater Pollution Prevention Plan (SWPPP) and the construction site monitoring program templates, and improvements to the erosion and sediment control BMP factsheets. In 2012, the CASQA Low Impact Development (LID) web portal was launched to provide resources and tools for approaches for development site planning and design. In the upcoming year, the BMPs Subcommittee will be focused on updates to the Industrial Handbook

web portal to assist Industrial Dischargers and Site Operators comply with the State Industrial General Permit. Efforts are also underway for development of a Pollutant of Concern (POC) web portal as well as continued development and improvements of specific BMP factsheets.

Conference Subcommittee

Tanya Bilezikjian and Gene Estrada, Co-Chairs

The 2012 CASQA Conference was held in San Diego's Hilton at Mission Bay on November 5-7, 2012. On Monday, the conference provided a day of workshops covering a wide range of in-depth current topics including the Industrial and Construction General Permits, TMDLs, MS4 Program Management, and Low Impact Development. The workshops were followed by a Networking Event at the Wave House on Mission Beach. On Tuesday and Wednesday, the conference provided technical presentations, a well-received keynote speaker, Chad Pegracke, the Awards Program, recognition of Senator Christine Kehoe for her work with the brake pad industry,

and opportunities through meals and an exhibit hall reception for vendors, regulators, and conference attendees to meet and exchange information. The conference had a record number of attendees, with nearly 600 people attending on Tuesday. The 2013 CASQA Conference will be held in Squaw Valley in September 2013.

2012 CONFERENCE RECAP

Eighth Annual Conference: Solving the Stormwater Compliance Puzzle

The annual CASQA Conference continues to be the premier stormwater conference in California. Record attendance in 2012 shows that despite the continuing depressed economy, stormwater professionals value the information and contacts to be gained from attending the conference. This year's conference included "office hours" held by State and Regional Water Board staff, a Trainer of Record Forum, a Monday night networking event, in addition to the highly relevant technical sessions and workshops that attendees anticipate each year.

CASQA's Eighth Annual Conference was held November 5-7, 2012 at the Hilton San Diego at Mission Bay. There was a record number of attendees, peaking on Tuesday with 600 attendees, sponsors and vendors. The conference celebrated the 40th anniversary of the Federal Clean Water Act and the 25th anniversary of the Water Quality Act amendments that resulted in stormwater regulation. Technical sessions and workshops provided many opportunities for exhibitors and attendees to interact. The conference included ten half-day workshops, five concurrent technical sessions, a well-received keynote speaker, and a Trainer of Record Forum.

This year's Keynote Speaker was Chad Pegracke, Founder and President of Living Lands & Waters – America's only "industrial-strength" river cleanup organization. Mr. Pegracke gave an inspiring and humorous talk about his grass roots efforts to clean trash from our nation's waterways.

Monday's workshops included: Dissecting the LID Puzzle, Construction Tools and Talk, What Every Stormwater Program Manager "Should" Know, Industrial Stormwater Compliance, TMDL Development and Compliance, and Unraveling the Bacteria Puzzle.

Conference Tracks on Tuesday and Wednesday included: Clean Water Act; Construction Permit; Industrial Permit; Modifying Public Behavior; Program Assessment; Regulations, Permits and Policies; Scientific Advances; Stormwater Treatment; *(continued on next page)*



Conference
Host City
Sponsor booth

Sustainable Development; TMDLS in MS4 Permits; and True Source Control. The technical program featured 92 tracks presented over the two days.

CASQA's 2012 Award Winners were: City of Los Angeles Sanitation, Garvanza Park Stormwater BMP Project, which reduced the volume of runoff and promoted infiltration; and City of Elk Grove Rain Garden Plaza, a sustainable LID demonstration.

All Monday workshops were provided via webcast, as well as the plenary session and the Industrial Track on Tuesday, providing valuable content for stormwater professionals who could not attend. This year, additional focus was spent reaching out to the stormwater industry throughout the country to encourage attendance and webcast purchase.

The second annual Monday night networking event was held at the Wavehouse in Mission Beach. Conference participants had the opportunity to ride the wave and interact with colleagues and friends while enjoying a social atmosphere and beautiful Southern California weather.



By Terrie Medeiros (top and bottom)



Awards presentation at the annual conference

Construction Subcommittee

Sandy Mathews, Chair

2012 was the third year of implementation for California's Construction General Permit, which continued in a state of change as all the phased in requirements became effective and the State Water Board amended the permit in response to legal challenges. CASQA's Construction Subcommittee remained active with regular meetings to assist CASQA members with implementation questions and subcommittee members planned and coordinated two construction focused workshops at the CASQA 2012 Conference.

Participants in the Construction General Permit conference workshop collaborate on an erosion and sediment control exercise

The subcommittee developed comments on the CGP amendment that removed numeric effluent limitations for Risk Level and Type 3 sites and added receiving water monitoring triggers. CASQA comments were instrumental in two key changes made to the proposed amendment:

- Addition of conditions limiting the initiation of receiving water monitoring in cases where the monitoring triggers were tripped because of large storm events or natural disasters;
- Elimination of a proposed change that would added receiving water monitoring for ATS dischargers.

Pesticides: DPR Pest Management Advisory Committee and IPR Pest Management Subcommittee

Dave Tamayo and Jamison Crosby Chair

The Pesticides Subcommittee continued to work with EPA and California Department of Pesticide Regulation (DPR) to improve water quality protection through pesticide regulatory processes. This has been done through numerous letters and direct collaboration with these agencies, including participation in EPA's Pesticide Program Dialogue Committee (PPDC), and continuing improvements in pesticide evaluations have been observed as a result. The most important accomplishment was the establishment by DPR of Surface Water Protection Regulations, which are expressly designed to significantly reduce pyrethroids concentrations in urban runoff, by regulating applications made by licensed applicators. In combination with federal labels for pyrethroids products, the regulations are expected to reduce pyrethroids toxicity in urban runoff by approximately 85 percent. EPA Region 9 released its Delta Plan, which acknowledges efforts in California (for which CASQA can take significant credit due to its leadership) to address pesticide toxicity in the Delta.

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Phase II Subcommittee

Rebecca Winer-Skonovd, Jerry Montgomery and Kelye Mckinney, Co-Chairs

In 2012, the Phase II Subcommittee continued its active involvement in the Phase II permit renewal process. The Phase II Subcommittee regularly communicated with SWRCB staff, participated in stakeholder meetings, submitted comment letters, and provided comments on behalf of the CASQA membership at public hearings. In the upcoming year, the Phase II Subcommittee will focus on permit adoption and pending permit reopeners to address in-progress policies and regulations.

Policy and Permitting Subcommittee

Scott Taylor and Matt Yeager, Co-Chairs

The Policy and Permitting Subcommittee had a dynamic year, engaged in the tremendous change occurring in stormwater regulation. The subcommittee played an important role in developing testimony for the November 20, 2012 receiving water language workshop at the State Board. Other items of note included the Ocean Plan Amendments, the



Phase, II, Industrial, and Caltrans general permits, the Trash Amendment and ASBS. The Policy and Permitting Subcommittee was responsible for many of the comment letters you will find listed in Appendix C of this Annual Report. The subcommittee looks forward to keeping the CASQA membership apprised of new regulation that effects stormwater programs, and providing information on the issues to help members comment on regulatory changes and prepare their programs to meet new challenges.

Document). Since the development of the Guidance Document in 2007, the CASQA effectiveness assessment approach has continued to evolve to reflect new information, lessons learned, and the refinement of numerous key assessment concepts. The updated 2013 version of the CASQA Guidance Document will incorporate these changes and translate the framework and concepts of the current document to a more specific “how to” guidance for managers. To assist with the update of the document, the Effectiveness Assessment Subcommittee submitted (and received) a Proposition 84 Stormwater Grant and solicited graphic art services in fall 2012.

Effectiveness Assessment Subcommittee

Jon Van Rhyn and Karen Ashby, Co-Chairs

During 2012, the Effectiveness Assessment Subcommittee continued to work on the update of the Municipal Stormwater Effectiveness Assessment Guidance document (Guidance

The Grant will supplement the update of the Guidance Document by providing for a survey of practices and lessons learned as well as the design of a Effectiveness Assessment web portal, which will be used as a central venue where users can obtain updated guidance, share data and information, communicate with each other, and obtain planning and assessment support. The Guidance Document and web portal are expected to be completed in 2013. Once completed, the Effectiveness Assessment Subcommittee anticipates that there will be a series of workshops that will be held to educate stormwater professionals about the Guidance Document and web portal.

Website Subcommittee

Stephanie Reyna-Hiestand, Chair

The website is currently undergoing research to develop a more appealing appearance and added user-friendly experience. The committee will be busy selecting a consultant that fits the needs of CASQA and our overall goals for the new website in late 2012. Efforts to create our vision will continue into early 2013 and we are very hopeful that the revamped and updated website will be available in early spring. Stay tuned.

San Diego County, A Leader for the Region

County of San Diego Watershed Protection Program provides leadership for the region under the current MS4 Permit, and a coordination lead during the negotiation of the Tentative San Diego Regional MS4 Permit. The County of San Diego cooperates with the other 20 co-permittees in the county, the Counties of Orange and Riverside, as well as, diverse groups of stakeholders representing environmental, community and special interest groups, to address the unique challenges of the area's watersheds.

San Diego County is home to over 3 million people with a land area of over 4,200 square miles and 18 incorporated Cities, a regional airport authority, and a port district. This area is made up of 11 western draining watersheds and a portion of the Colorado River watershed. The County contains a wide variety of geographical settings and important ecological resources; the most famous of which are the beaches covering over 70 miles of coastline. These beaches are ranked among the cleanest in California and protecting the continued health and vitality of these resources is primary focus of the County's stormwater management program.

The majority of the population in the region resides in the western portion of the County. The water quality impacts are diverse with the primary

impacts due to bacteria, nutrients, metals and dissolved minerals. These in concert with environmental impacts, such as hydromodification, have led to the 303(d) listing of 156 waterbody segments where at least one beneficial use is not supported and a TMDL will be required. The protection and improvement of the region's beneficial uses requires a clear understanding of the causes of the impacts and is dependent on effective policy, and good implementation tools.

On the policy front, the County has been actively involved in CASQA effectiveness assessment subcommittee, forging a framework for adaptive management for stormwater programs, and participating at state and local discussions on receiving water limitations language in MS4 permits so as to reduce risks to municipal jurisdictions while implementing their stormwater programs. In addition, the County has been involved in the San Diego Integrated Regional Water Management Program Regulatory Workgroup which is exploring how the water management community can collaborate with the Regional Water Quality Control Board to further the protection of the region's waterbodies.

The County has been leading several efforts to understand the science needed to manage beneficial use impacts. These include a reference study to determine the appropriate contribution of natural



Beachfront at Carlsbad, San Diego area

sources of bacteria, a demonstration of the nutrient numeric endpoint process, a monitoring program to assess the impacts of new development requirements on hydromodification and numerous special studies geared to fill gaps in data and information needed to inform management and implementation decisions. All these efforts feed into the desire for continuous program improvements to ensure that the resources expended bring about the most effective improvements need for beneficial use attainment.

Finally, the County and the co-permittees have developed strategies for jurisdictional, watershed and regional implementation. In the forefront are the County-led Comprehensive Load Reduction Management Plans (CLRPs) for two of the larger watersheds in the region. These CLRPs take an integrated approach to water quality

and watershed planning, developing source and treatment programs that address identified pollutants at their source in a cost-effective and sustainable manner.

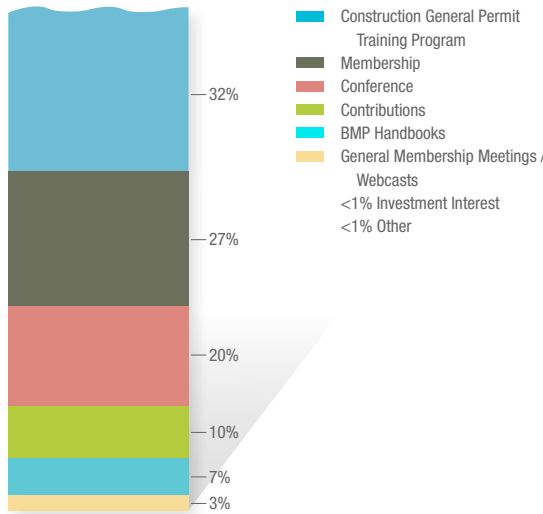
The County and its co-permittee partners will continue to lead improvements in stormwater program management and receiving water quality through policy changes, innovative research programs, and development of implementation tools such as the watershed-based Water Quality Improvement Plans in the Tentative Regional MS4 Permit. These actions will require long-term sustainable funding solutions which the County continues to explore through funding studies and grants such as Proposition 84 Stormwater and the Integrated Regional Water Management funds.

The California Stormwater Quality Association was incorporated as a non-profit organization in the State of California on July 26, 2002 to assist entities that are charged with stormwater quality management responsibilities for the development and implementation of stormwater quality goals and programs within the state of California. Operations commenced January 1, 2003.

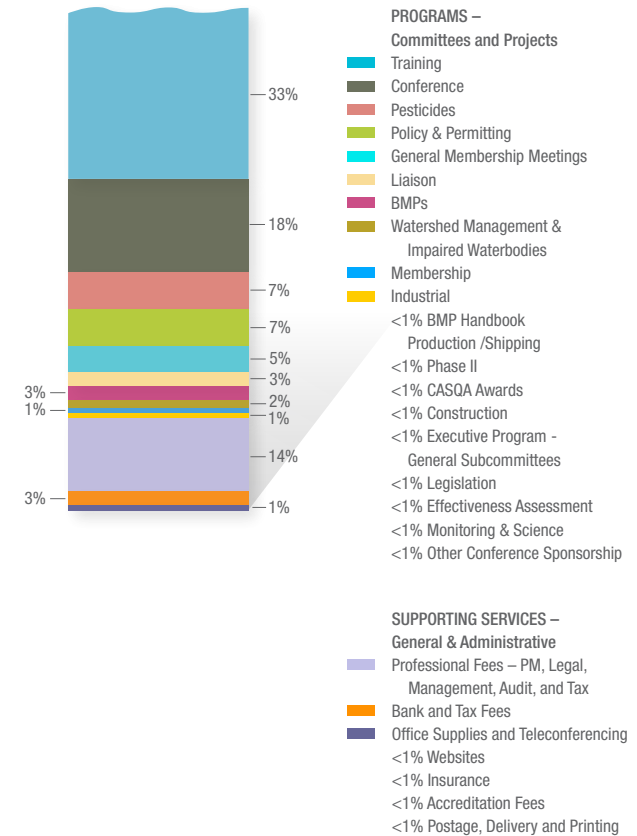
CASQA is organized and operated exclusively for charitable and educational purposes within the meaning of Section 501(c)(3) of the Internal Revenue Code. CASQA follows Financial Accounting Standards Board Statement (SEAS) No. 117, Financial Statements of Not-for-Profit Organizations, for presentation of its financial statements.

The financial summary below for the year ended December 31, 2011 is drawn from the REPORT ON AUDIT OF FINANCIAL STATEMENTS for the year ended December 31, 2011 (Burr, Pilger & Mayer, LLP).

Revenues \$1,430,936



Expenses \$1,293,582



Statement of Assets and Liabilities	
Assets	\$ 445,383
Liabilities	\$ 79,654
Net Assets	\$ 365,729

Board of Directors

Richard Boon – Chair

County of Orange

Gerhardt Hubner – Vice-Chair

Ventura County Watershed Protection District

Jason Uhley – Treasurer

Riverside County Flood Control & Water

Lisa Austin – Secretary

Geosyntec Consultants

Richard Watson – Executive Program Coordinator

Richard Watson & Associates

Jeff Endicott

AEI-CASC Engineering, Inc.

Matt Fabry

San Mateo Countywide Water Pollution Prevention Program

Sharon Gosselin

Alameda Countywide Clean Water Program

Scott McGowen

California Department of Transportation

Scott Taylor

RBF Consulting

Rebecca Winer-Skonovd

Larry Walker Associates

Geoff Brosseau

Executive Director

Executive Program Committee

Gerhardt Hubner *

Vice Chair / EPC Chair

Ventura County Watershed Protection District

Anna Lantin †

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Armand Ruby † / Arne Anselm

Monitoring and Science Chair /

Representative to Water Quality Monitoring Council

Armand Ruby Consulting / Ventura County Watershed

Protection District

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Napa County Stormwater Pollution Prevention Program / County of Sacramento

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Kris McFadden / Chris Sommers †

Biological Objectives Stakeholder Advisory Group

Representatives, City of San Diego / EOA, Inc.

Maureen Daggett †

Fee Stakeholder Group Representative, ECMS

Matt Yeager †

Sediment Quality Advisory Committee Representative

Yeager Environmental Consulting

Amanda Carr

Nutrient Numeric Endpoint Coastal Stakeholder

Advisory Group Representative, City of Irvine

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Mack Walker † *Larry Walker Associates*

Drew Kleis / Ruth Kolb *City of San Diego*

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Pollution Prevention Program

Daniel Rourke

Fresno Metropolitan Flood Control District

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Jeff Endicott *† *AEI-CASC Engineering*

Scott McGowen *

California Department of Transportation

Member affiliations listed in italics

* EPC members also on the Board of Directors (minimum 2 required)

† EPC members who are affiliate members (minimum of 1/3 of filled vacancies required)

FOR MORE INFORMATION on CASQA

Directors, Staff and Committees, please visit our **Contacts** page on the CASQA website.

Below is a list of the 32 comment letters and 5 times testimony was provided by CASQA during 2012. Comment letters and other materials are available on the CASQA website, or may be obtained by contacting us at info@CASQA.org.

2012 Comment Letters and Testimony

EXECUTIVE DIRECTOR

April 13 – Comments to State Water Board on draft Resource Alignment Evaluation Report

CONSTRUCTION SUBCOMMITTEE

May 14 – Comments to State Water Board on CGP NEL Amendment

INDUSTRIAL SUBCOMMITTEE

August 20 – Request to State Water Board for Comment Deadline Extension - Draft Industrial General Permit

October 17 – Testimony to State Water Board on Draft Industrial General Permit

October 22 – Comments to State Water Board on Draft Industrial General Permit

PESTICIDES SUBCOMMITTEE

February 21 – Comments to EPA on Sumithrin (D-Phenothrin) Registration Review

March 26 – Comments to EPA on Cyantraniliprole Registration Applications

May 29 – Comments to EPA on Chlorothalonil Registration Review

May 29 – Comments to EPA on Cypermethrin and Zeta-Cypermethrin Registration Review

September 10 – Comments to EPA on Dichlobenil Registration Review

September 10 – Comments to EPA on MGK-264 Registration Review

September 10 – Comments to EPA on Nanosilver Registration Review

September 10 – Comments to EPA on Polyhexamethylenebiguanide (PHMB) Registration Review

September 10 – Comments to EPA on Prallethrin Registration Review

September 10 – Comments to EPA on Resmethrin Registration Review

October 16 – Comments to EPA on ESA Consultation & Enhanced Stakeholder Input

November 15 – Comments on DPR Proposed Decision to Register Bactiblock 101 S.1.19

November 26 – Comments to EPA on Acetamiprid Registration Review

PHASE II SUBCOMMITTEE

May 3 – Request to State Water Board for Administrative Draft of the Phase II Small MS4 Permit

July 23 – Comments to State Water Board on 2nd Draft Phase II Small MS4 General Permit

August 8 – Testimony to State Water Board on Small MS4 General Permit

December 17 – Comments to State Water Board on Revised Draft Phase II Small MS4 Permit

POLICY AND PERMITTING SUBCOMMITTEE

February 20 – Comments to EPA on Draft Recreational Criteria

February 27 – Comments to Santa Ana Regional Water Board on Basin Plan Amendments to Revise Recreation Standards for Inland Fresh Surface Waters in the Santa Ana Region

April 18 – Comments to State Water Board on the proposed amendment to the California Ocean Plan for designating State Water Quality Protection Areas to protect Marine Protected Areas

June 26 – Comments to State Water Board on Caltrans MS4 Permit - 2nd Revised Draft Tentative Order

July 6 – Comments to Central Coast Water Board on Central Coast Post-Construction Stormwater Management Requirements

August 7 – Testimony to State Water Board on Caltrans MS4 Permit - Draft Tentative Order

August 21 – Comments to State Water Board on Policy for Toxicity Assessment and Control

August 31 – Comments to State Water Board on proposed OP amendment for designating SWQPAs to protect MPAs

October 1 – Comments to State Water Board on Recreation Standards Amendments by the Santa Ana Water Board

October 19 – Comments to State Water Board on CEQA Scoping of Statewide Biological Objectives Policy

November 2 – Comments to State Water Board on Receiving Water Limitations Language

November 20 – Testimony to State Water Board on RWLs Language

WATERSHED MANAGEMENT AND IMPAIRED WATERS SUBCOMMITTEE

July 16 – Comments to Washington DOE supporting adoption of Better Brakes Rule

September 10 – Testimony to DTSC on Safer Consumer Product Regulations

October 11 – Comments to DTSC on Draft Regulations for Safer Consumer Product Alternatives