

2013 CASQA ANNUAL REPORT

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CALIFORNIA STORMWATER
QUALITY ASSOCIATION®

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COVER: Panorama of Upper Newport Bay in Orange County, CA, looking north. ABOVE, from left: Erosion Control and Stormwater Treatment Field Trip at the 2013 CASQA Conference; Lake Tahoe vista; CASQA quarterly meeting.



California Stormwater Quality Association

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MESSAGE FROM THE CASQA CHAIR

“CASQA continues to be at the forefront, with our members, of improving water quality in the creeks, streams and rivers of our populous urban landscapes.”

– Richard Boon

The tide of regulation that I anticipated when I became Chair has seemed to both ebb and flow. The National Rulemaking failed to materialize and the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Stormwater Sewer System (MS4) Phase II Permit was adopted in February largely with the support of the regulated community. However, the issue of Receiving Water Limitations (RWL) and municipal permitting is unresolved and it has undoubtedly continued to flow as the paramount issue of concern for the California Stormwater Quality Association (CASQA) over the last year. Nonetheless, in 2013, CASQA delivered on all elements of its mission. We have contributed our expert technical and legal perspective on a broad range of regulatory developments at regional and statewide levels, explored new professional partnerships and continued to be a strong and persistent advocate of True Source Control.

During my second year as Chair, I believe that CASQA has continued to diligently manage its resources, enhanced the standing of our profession, and has effectively applied the expertise of our membership to resolving the challenges presented by the stormwater mandate.

I would offer the following highlights of 2013:

- ◆ **PHASE II PERMIT:** Through 2012 and early 2013 our Phase II Subcommittee had engaged over 145 stakeholders representing more than 30 regulated entities in the review and development of comments. This major stakeholder engagement effort contributed directly to the adoption on February 5, 2013, of a permit that was able to significantly advance regulatory requirements with the support of the regulated community.
- ◆ **RECEIVING WATER LIMITATIONS:** In July 2011, a Ninth Circuit Court of Appeals decision essentially nullified the “Iterative Process” as the fundamental basis of municipal permit compliance. CASQA filed its first United States Supreme Court amicus brief in support of Los Angeles County’s appeal of this decision in late 2012 and in January, 2013, a part of the Ninth Circuit Court of Appeals decision was reversed by the Supreme Court. In August, we provided the State Water Board with Model RWL language and then advocated for this language at a State Water Board workshop on October 8, 2013.

- ◆ **TRUE SOURCE CONTROL:** While the removal of copper from brake pads as a consequence of SB346 continues apace, CASQA has also been involved in efforts to control pesticides at both the federal and state levels for nearly 20 years. This year we prepared and released a major report – *Review of Pyrethroid, Fipronil, and Toxicity Data from California Urban Watersheds* – which was based on results from over 80 studies. At the federal level, we were pleased to note that, starting in 2013, the United States Environmental Protection Agency (USEPA) will be comprehensively identifying potential water quality impacts when it registers or reviews biocides and has committed to increasingly incorporating concern for water quality impacts into other registration review processes.

- ◆ **EDUCATION:** At our last quarterly meeting of the year, we partnered with University California – Irvine and its Partnerships for International Research and Education (PIRE) project funded by the National Science Foundation. In a global networking first for CASQA and a major test of our information technology, a Best Management Practices (BMP) case study involving a site in Israel was discussed by a researcher in South Australia with a CASQA audience in Southern California.

Each year our annual conference is always noteworthy. Our solicitation for abstracts was oversubscribed and our BMP technologists and service providers completely filled all of the space in the conference exhibit hall. Moreover, our entire conference team conspired to deliver for us an exceptional conference program in a spectacular Sierra Nevada setting.

CASQA continues to be at the forefront, with our members, of improving water quality in the creeks, streams and rivers of our populous urban landscapes. Thank you for your continued support and involvement in CASQA.



Richard Boon
Chair of the CASQA
Board of Directors

Photo courtesy of San Bernardino County Water Conference

ABOUT US

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 federal governments.

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

EXECUTIVE PROGRAM comprises no more than 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.

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Lobby signage at the CASQA 2013 Conference

ABOUT US

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 that follows.

EPC SUBCOMMITTEES SUMMARY

BEST MANAGEMENT PRACTICES provides contemporary information on BMPs and Low Impact Development (LID) based on scientific advances and practical tools through the CASQA web portals.

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 United States Congress and in both the California Senate and Assembly, 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, as well as seeking collaborators, partners, and grant funding for needed research.

PESTICIDES addresses pesticide uses that impact stormwater discharges, provides input to USEPA and the California Department of Pesticide Regulation (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 to promote 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 Total Maximum Daily Loads (TMDL), 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 REPRESENTATIVES

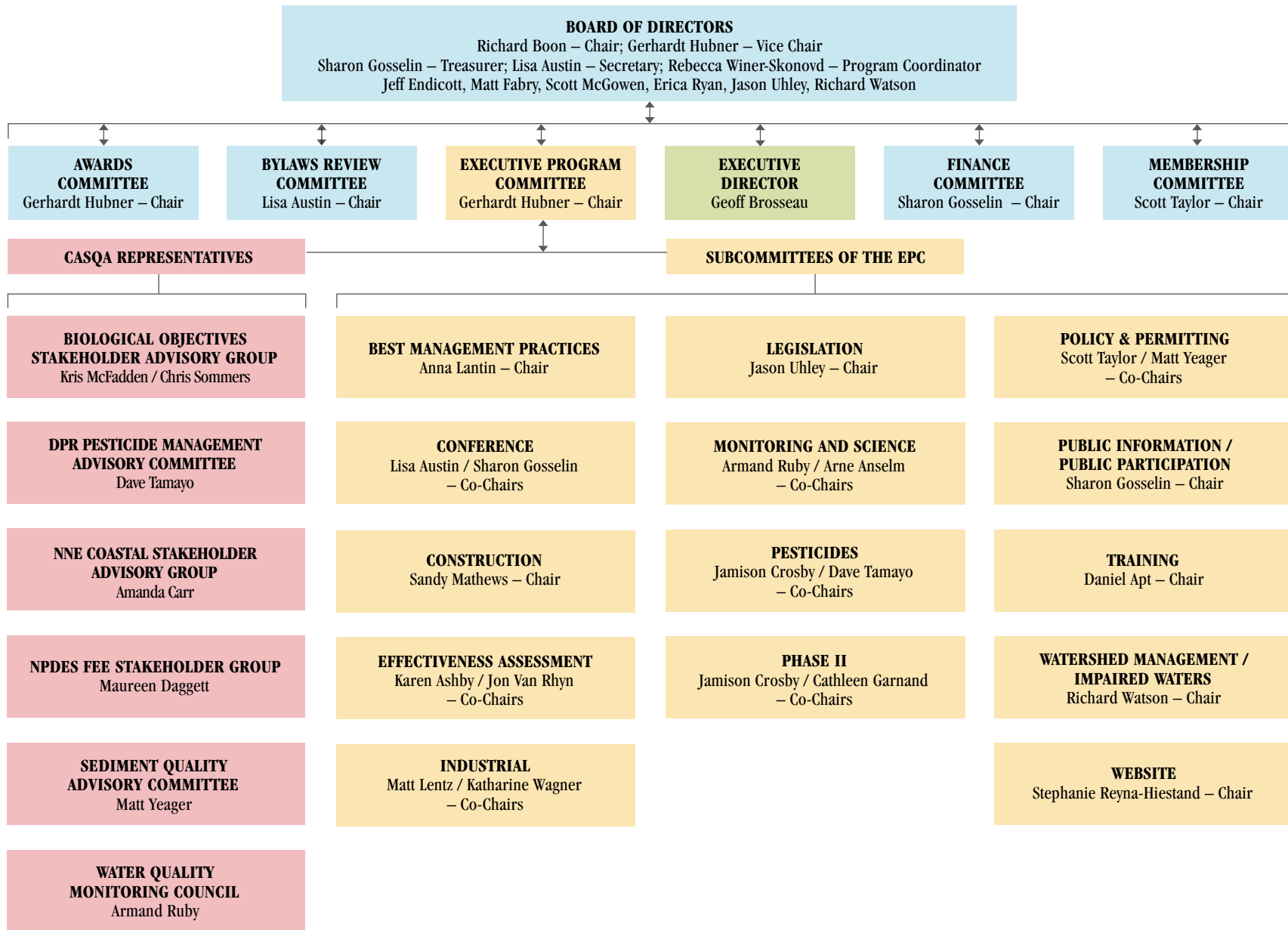
CASQA encourages individuals to serve on committees and other groups to represent the interests of stormwater quality management and CASQA members.



Squaw Creek, Lake Tahoe

Photo courtesy of the Resort at Squaw Creek

ORGANIZATION



CASQA Recognizes Excellence in Stormwater Quality Management

CASQA presented four awards at its Ninth Annual Stormwater Conference Awards Luncheon on September 10, 2013 at the Resort at Squaw Creek in Lake Tahoe.

“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 four award recipients received recognition for excellence in four categories.



Courtesy of Geosyntec (left and middle)

The Santa Susana Field Laboratory biofilter system replicates natural processes

OUTSTANDING STORMWATER BMP IMPLEMENTATION AWARD

BOEING

Santa Susana Biofilter Project

The Outstanding Stormwater BMP Implementation Program Award was presented to the Boeing Company for its Santa Susana Biofilter, which is designed to harness natural processes to treat stormwater runoff while promoting pollinator habitats. The system uses plants, soils and filter media to capture sediment and pollutants before releasing cleaner water back into the watershed. The biofilter also serves as an educational tool for students and the community, as its surrounding ADA-compliant walking paths are lined with educational signage and benches where visitors can observe its top layer of native vegetation.



Public outreach led by Boeing, the Expert Panel, and Geosyntec Consultants

“The Santa Susana Biofilter is a reflection of the project team’s expertise, valuable public input, and strong regulatory oversight by the Los Angeles Regional Water Quality Control Board,” said Paul Costa, Boeing Company’s Environmental Operations and Compliance Manager. “Working with the Los Angeles Conservation Corps, Pollinator Partnership and the Wildlife Habitat Council provided the spark to design the Biofilter as an educational tool for students and the community.”

“Boeing Company’s Biofilter is an exceptional, multi-use stormwater project in a number of important ways,” said Gerhardt Hubner, Awards Committee Chair. “The company merits recognition for its groundbreaking research and the Biofilter’s effectiveness in reducing the amount of polluted runoff that enters storm drains, streams, and the ocean. CASQA acknowledges Boeing Company and the project team’s success, innovation and dedication to the improvement of stormwater quality in California.”

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From left: Megan Stromberg, WRA Environmental Consultants; Brandon Steels, Geosyntec Consultants; Jon Jones, Wright Water Engineers; Paul Costa, Boeing; Robert Pitt, University of Alabama; Lori Blair, Boeing; Gerhardt Hubner, Awards Committee Chair

By Chris Beck

OUTSTANDING SUSTAINABLE STORMWATER PROJECT AWARD

PLACER COUNTY

Low Impact Development Guidebook

The Outstanding Sustainable Stormwater Project Award was presented to Placer County for the *Placer County Low Impact Development (LID) Guidebook*, which was developed to provide much-needed tools and guidance on the use and implementation of LID techniques to protect and enhance the water quality of Placer County in the Yuba, Truckee and American River watersheds through the promotion of sustainable, innovative and cost effective stormwater management techniques in the higher elevations. The guidebook's thorough fact sheets and other tools are also valuable to many other stormwater practitioners throughout California, as the resource was produced with the intention to also benefit those of varying geographic and topographic locations.

"It's a great honor," says Edmund Sullivan, project owner and Senior Planner for the Placer County Planning Department. "The guidebook was a labor of love for all involved. From the beginning, it was a collaborative effort driven by the desire to have

a document that serves the needs of a broadly defined user group. The team had a vision of what kind of guidebook we all wanted to produce. One that focused on snow country, was user friendly, had case studies, told a story, and had great graphics. The dedication of both the stakeholder Technical Advisory Committee and the consultant team to produce an outstanding document on a tight budget was second to none."

"The *Placer County Low Impact Development Guidebook* is a terrific resource for protecting and enhancing water quality not just in Placer County but everywhere, by designing and retrofitting landscapes using low-impact development features and eco-friendly landscaping," said Gerhardt Hubner, CASQA Awards Committee chair. "CASQA acknowledges Placer County and the project team's success, innovation and dedication to the improvement of stormwater quality in California."

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Bottom left: Chris Bowles, cbec; Carmel Brown, CKB Environmental Consulting; Robert Costa and Edmund Sullivan, Placer County; Melanie Carr, cbec; Gerhardt Hubner, Awards Committee Chair

Left: Cover of Placer County's electronically-distributed LID Guidebook

By Chris Beck (left); Courtesy of Placer County (right)

AWARDS

OUTSTANDING STORMWATER NEWS, INFORMATION, OUTREACH, AND MEDIA AWARD

CITY OF SANTA ROSA AND SONOMA COUNTY WATER AGENCY Creek Stewardship Program

The Outstanding Stormwater News, Information, Outreach and Media Award was presented to the City of Santa Rosa for its Creek Stewardship Program, which was developed to empower citizens to help improve the water quality within their local creeks. The City accomplished its three goals for the program: to educate the community about the importance of the creek through distributing materials and outreach events; to give people the opportunity to directly help the creek by becoming Creek Stewards; and to respond thoroughly and efficiently to citizen concerns through interagency operations. These outreach efforts, in conjunction with the City's renewed commitment to be a steward of the public infrastructure and environment for the benefit of its citizens, have steadily improved the water quality in Santa Rosa's urban creeks.

"The Creek Stewardship Program is designed to empower citizens to help improve the water quality within their local creeks in conjunction with strong support from the

City of Santa Rosa and the Sonoma County Water Agency's stormwater management programs," said Sean McNeil, Environmental Specialist for the City of Santa Rosa's Utilities Department. "The creek stewardship program tries to accentuate the positive impacts that we can have on our creeks."

"The City of Santa Rosa does a tremendous job in educating its citizens about their neighborhood creeks and encouraging them to take an active role in improving their creeks' water quality," said Gerhardt Hubner, Awards Committee chair. "CASQA acknowledges the City of Santa Rosa and the project team's success, innovation and dedication to the improvement of stormwater quality in California."



Outreach event sponsored by the Creek Stewardship Program

CASQA LEADERSHIP AWARD

SCOTT TAYLOR

The CASQA Leadership Award was awarded to Scott Taylor, PE, D.WRE., who has more than 28 years of extensive, specialized expertise in stormwater quality, flood control, and stormwater management. Taylor is an active member of CASQA and has previously served as Chairman and Vice Chairman on the Board of Directors. In those capacities, Taylor led CASQA in various statewide efforts to develop pragmatic and sustainable policies and stormwater management programs. Taylor has also represented CASQA at the federal, state, and local levels.

"Receiving this award is extremely gratifying for me," said Taylor. "To be recognized by your peers as providing a contribution to the profession is very rewarding and I sincerely appreciate the recognition by CASQA. It also makes me realize that I have had the privilege to work with exceptional people. Becoming the Chair of CASQA was a highlight. CASQA is a unique organization, fueled by volunteers, a very flat organization, but it accomplishes great things and adds great value. It was an honor to be part of the leadership of the organization and help stormwater programs evolve."

"CASQA is a unique organization...it accomplishes great things and adds great value." – Scott Taylor



From left: Heaven Moore and Jill Scott, City of Santa Rosa, with Gerhardt Hubner, Awards Committee Chair



Scott Taylor (left), with Gerhardt Hubner, Awards Committee Chair

Courtesy of the City of Santa Rosa and Sonoma County Water Agency (left); by Chris Beck (middle and right)

INITIATIVES FOR 2014

THE YEAR AHEAD – INITIATIVES FOR 2014

In 2014, the Board of Directors, Executive Committee and the CASQA Membership can look forward to the following:

STATE WATER BOARD POLICY AND PLAN DEVELOPMENT

As noted in the Chair's message, the RWL language being considered at the State Water Board is of paramount concern to CASQA members, as we await the results and feedback of the October 8th, 2013 State Water Board workshop. Current Receiving Water Limitations permit language is problematic for a variety of reasons, including exposure to third party lawsuits. It is expected the State Water Board will issue language sometime this year, and CASQA fully expects to be engaged with the State Water Board when draft language is released.

A number of statewide plan/policy initiatives will move forward or be announced by the State Water Board related to Trash, Bio-Objectives and Bacteria next year. In addition, the State Water Board will initiate a stormwater strategic planning effort in Spring 2014. This effort, as we understand, is intended to produce a strategic work plan and better integrate watershed management, multiple-benefit, and source-control interests into its core regulatory program, while improving program efficiency and effectiveness. Expect to see more information, and CASQA out in front on these initiatives.

STRATEGIC PLANNING

This past November, the CASQA Board of Directors and EPC embarked on Strategic Planning workshop, as part of updating our Strategic Plan. We commissioned a facilitator to assist, with participation of over 20 CASQA members. In preparation, a survey with 17 questions was commissioned, with 223 respondents to gauge our membership's interests, and what members like and dislike and/or would change about the organization. Goals of the workshop included articulating CASQA's values, developing a long-term vision and identifying key objectives for the coming year. The workshop also identified core values (always), capabilities (10-year goals) and objectives (1-year actions). A post-workshop survey of the Board of Directors and EPC regarding next steps showed that setting a vision for stormwater quality management and regulation was clearly the top 10-year and 1-year priority. It is expected the Board of Directors will initiate several of the first year actions in 2014.

USEPA'S NATIONAL STORMWATER RULEMAKING

Delayed again in 2013, USEPA representatives will participate in our January annual regulatory meeting in Ventura to provide an update, schedule and answer questions as to current USEPA policy directives and thinking regarding the upcoming national stormwater requirements.

STATE MANDATES

Late in 2013, CASQA filed an amicus curiae letter with the California Supreme Court requesting the Court grant the petition for review filed by the County of Los Angeles and the cities of Bellflower, Carson, Commerce, Covina, Downey, and Signal Hill. Previously, in *Commission on State Mandates*, the Court of Appeal held that the requirements at issue were federal mandates, and that general mandates did not apply when the state was implementing the federal maximum extent practicable standard. CASQA has a keen interest in resolution of this issue since its member agencies are subject to state and federal clean water laws, and many have test claims pending before the Commission seeking reimbursement for requirements similar to those at issue in this case.

WEBSITE

The new and improved CASQA website is now up and running. We hope you will agree it is a major improvement, with enhancements in assisting you in navigating your conference and quarterly registrations, membership renewals, access to the latest technical information and more. We invite you to test drive our new website, and please let us know what you think.



The 2014 CASQA Conference will be held in Orange County on September 15–17, 2014

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CONFERENCES

The CASQA 2014 conference will be held in Garden Grove, California from September 15–19, 2014 at the Hyatt Regency. As demonstrated by this year's Annual Conference in Squaw Valley, Lake Tahoe, CASQA's Annual Conference is the premier forum for technical exchange and networking on stormwater.

As the New Year is upon us, CASQA continues its leadership role and advocacy for stormwater issues in California. We will endeavor to keep you posted on important stormwater topics both statewide and nationally. I personally look forward to working closely with the Board of Directors, EPC and our general membership over the coming year to continue to seek ways to improve CASQA now and into the future, and implementing our Strategic Plan's vision, goals and objectives.

Gerhardt Hubner – Chair Elect

SUBCOMMITTEE ACCOMPLISHMENTS

The CASQA EPC is chaired by the Vice Chair of CASQA. The EPC 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 EPC for 2013:

BMPs SUBCOMMITTEE

Anna Lantin, Chair

The Best Management Practices Subcommittee continued to provide contemporary information for stormwater practitioners on BMPs, Low Impact Development, and site design practical tools through the CASQA BMP Handbooks and web portals. In 2013, efforts include:

- 1) annual updates to the Construction BMP web portal;
- 2) enhancements to the LID web portal with bioretention BMP factsheet, standard plans, and specifications;
- 3) development of BMP and LID focused workshops and technical tracks at the Annual Conference. In the upcoming year, the BMPs Subcommittee will be focused on updates to the *CASQA Industrial BMP Handbook* and web portal to assist the Industrial Discharges and business owners in complying with the state Industrial General Permit. Bi-monthly coordination conference calls were held in 2013 with CASQA Members and other interested parties for information sharing.

CONFERENCE SUBCOMMITTEE

Lisa Austin and Sharon Gosselin, Co-Chairs

CASQA NINTH ANNUAL CONFERENCE: Taking Stormwater Quality Management to New Heights

CASQA's Ninth Annual Conference proved to be a great success and was thought to be the "not-to-be-missed" event of the year by stormwater professionals. The Conference was held on September 9–11, 2013 at the Resort at Squaw Creek in Squaw Valley, Lake Tahoe, California, with over 550 attendees, sponsors and vendors. The outstanding program was packed with technical, scientific, stormwater management and regulatory topics presented by some of the most influential and experienced people in the stormwater field as well as a wide variety of stormwater products and services featured by highly informative and innovative exhibitors.

Monday's agenda selection included 10 half-day workshops and a full-day workshop field trip. Tuesday and Wednesday's had 5 concurrent tracks (90 presentations), a Construction Qualified SWPPP Developer and Practitioner (QSD/P) Forum, an LID Roundtable, and an outstanding plenary session. This year's keynote speaker, David Antonucci, discussed the Lake Tahoe travels of Mark Twain, an interesting and fun piece of local history.

Areas included: LID, Code Enforcement/Inspection, Monitoring, Industrial Stormwater Permit, Hydro-modification, Modifying Behavior, Stormwater Program Management, Erosion Control and Stormwater Treatment, Receiving Water Limitations, Integrated Water Management, TMDL, Regulations/Permits/Policies, Scientific Advances, Effectiveness Assessment, Lake Tahoe, Trash, and Construction Stormwater Permit.

Monday's evening networking event was held at High Camp at Squaw Village. The views from the gondola on the ride up to Sky Camp at 8,200 feet elevation were nothing short of spectacular. Up at the top, friends and

colleagues reveled in the sensational scenery, fabulous food and opportunities for great conversation.

CASQA's Annual Conference would not be possible without the amazing time and effort of the many dedicated volunteers that participate in the Conference Committee. We meet monthly, throughout the year, to plan and organize the event. We are looking forward to the Tenth Annual CASQA Conference on September 15–17, 2014 at the Hyatt Regency Orange County in Garden Grove, California.

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Awards presentation at the annual conference

Photo by Chris Beck

SUBCOMMITTEE ACCOMPLISHMENTS

CONSTRUCTION SUBCOMMITTEE

Sandy Mathevs, Chair

In 2013, the Construction Subcommittee focused on supporting members with construction implementation issues and tracking emerging issues. Bimonthly subcommittee meetings in February, April, June, August, October, and December provided a forum for members to share implementation challenges. Subcommittee members played an active role in the annual CASQA conference, developing and leading the second annual Construction General Permit (CGP) QSD/P Forum;

leading the construction track; and developing and leading the Erosion Control and Stormwater Treatment Field Trip. The subcommittee tracked enforcement actions and the Federal Effluent Limitations Guidelines, which will influence the next CGP.

At the end of 2013, the Subcommittee began planning to engage proactively in the CGP reissuance process. Beginning in 2014 the subcommittee is planning weekly issues discussion to develop early input on recommended changes to the CGP.

EFFECTIVENESS ASSESSMENT SUBCOMMITTEE

Jon Van Rhyn and Karen Asby, Co-Chairs

This committee provides guidance regarding program effectiveness assessments, including a standardized conceptual approach to evaluating municipal stormwater programs.

During 2013, the Subcommittee continued to work on the update of the *Municipal Stormwater Effectiveness Assessment Guidance Document*

(Guidance 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 2014 version of the Guidance Document will incorporate these changes and translate the framework and concepts of the current document to a more specific “how to” guidance for stormwater program managers. To assist with the update of the Guidance Document, the Subcommittee submitted and received a Proposition 84 Stormwater Grant in fall of 2012 and obtained graphic art services in early 2013. 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 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 2014. Once completed, the 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.

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Erosion Control and Stormwater Treatment Field Trip



Photo by Jeff Ericcott

SUBCOMMITTEE ACCOMPLISHMENTS

PESTICIDES SUBCOMMITTEE

Dave Tamayo and Jamison Crosby, Co-Chairs

The Pesticides Subcommittee published report compiling monitoring data for two commonly used urban insecticides: pyrethroids and fipronil. The report documents widespread water and sediment toxicity in California urban waterways, with pyrethroid insecticides commonly identified as the apparent cause. Fipronil, a growing replacement for pyrethroids, commonly occurs in urban waters at concentrations higher than toxicity thresholds for sensitive organisms. CASQA widely shared the report with pesticide regulators, water quality agencies, the pesticide industry, pest management professionals, and interested stakeholders with the intent of informing management actions by pesticide regulators to address urban pesticide water pollution. Based on the fipronil data compiled in this report, we and the Water Boards have begun working with California DPR to initiate actions to address fipronil.

The subcommittee has made progress working with the Water Boards and DPR toward expanding the state-implemented surveillance monitoring program for pesticides most likely to impact urban water bodies. Our goal is to reduce monitoring burdens on local agencies, and for the state to obtain early indication of emerging water quality problems, so that mitigation efforts through state and federal pesticide authority can occur expeditiously. In the coming year, we will continue to work with USEPA Office of Pesticide Programs and DPR to establish more effective processes for evaluating and mitigating pesticide impacts, utilizing existing state and federal pesticide statutory authorities.



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California State Capitol, Sacramento

POLICY AND PERMITTING SUBCOMMITTEE

Scott Taylor and Matt Yeager, Co-Chairs

This year provided a host of opportunities for the Policy and Permitting Subcommittee to help guide CASQA through new regulatory challenges. Central among these challenges was the Supreme Court ruling in the Los Angeles County Flood Control District v. Natural Resources Defense Council, Inc. case that led to a call by CASQA to revise the RWL language in MS4 Permits. This request was taken up by the State Water Board through a petition on the Los Angeles Regional MS4

Permit. CASQA provided both written comments and oral testimony at the petition hearing. Changing the RWL language remains a CASQA focus for 2014.

Two test claims to the *Commission on State Mandates* are moving through various stages of review. The Policy and Permitting Subcommittee has most recently supported an amicus letter in the Los Angeles case, and is tracking the appeal of the San Diego case. 2014 may see some resolution of the question of whether some requirements in the MS4 permits exceed federal requirements and must be funded by the state.

There are also a variety of other policy and rulemaking initiatives that the Subcommittee is actively engaged in tracking and commenting on. These include:

- ◆ Trash Amendment
- ◆ Toxicity Policy
- ◆ Sediment Quality Objectives
- ◆ USEPA's Water Quality Standards Clarification Rulemaking
- ◆ USEPA's Electronic Reporting Rulemaking

We look forward to working with you on these and other items important to water quality programs in 2014, and thank you for your support in 2013.

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SUBCOMMITTEE ACCOMPLISHMENTS

WATERSHED MANAGEMENT AND IMPAIRED WATERS SUBCOMMITTEE

Richard Watson, Chair

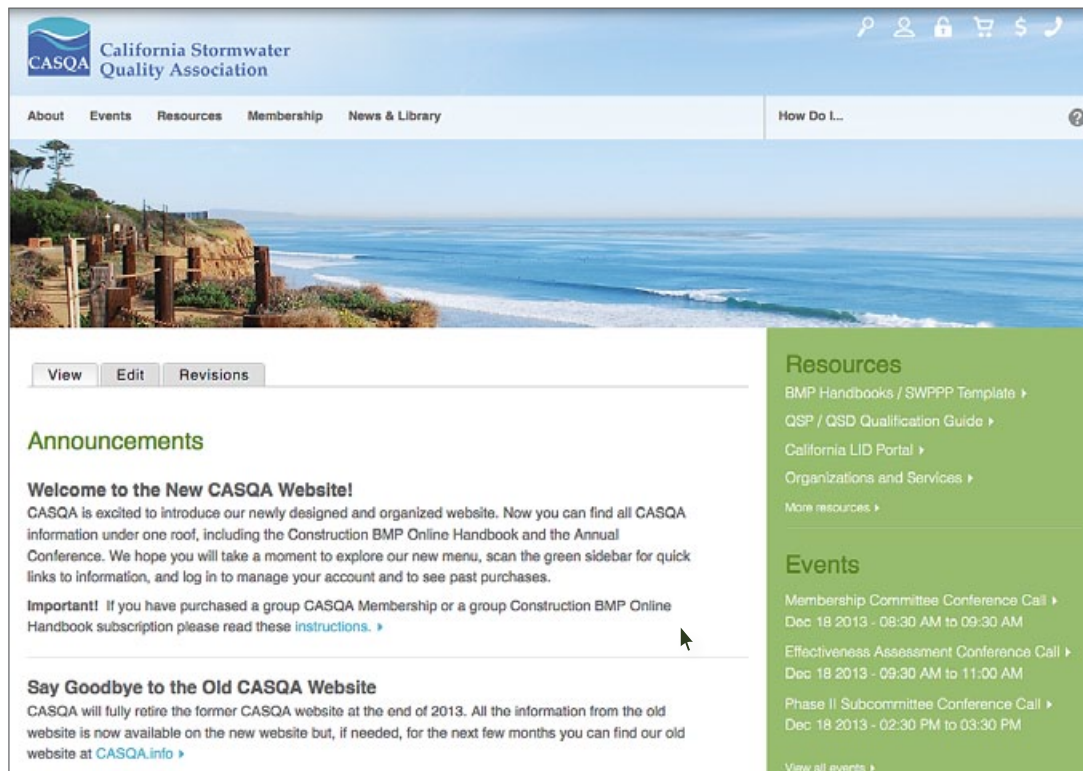
Work of the Watershed Management and Impaired Waters Subcommittee in 2013 focused on completion of a zinc literature survey, monitoring the development of the Safer Consumer Product Regulations (a statewide effort that could be used to support CASQA's Source Control Initiative, especially with respect to zinc in tires), monitoring development of biological objectives, and monitoring the State and Regional Water Boards' 303(d) listing activities. The subcommittee maintained its relationship with the California Product Stewardship Council, which is working to support policy and legislation to achieve Extended Producer Responsibility which supports the Source Control Initiative. The zinc literature survey is now in draft form and will be ready for distribution in early 2014, after the Board of Directors' approval. In 2014, the Subcommittee will monitor development of the state's 2012 Integrated Report which will focus on Regional Water Boards 1, 6, and 7, the implementation of SB 346, implementation of the Safer Consumer Product Regulations, TMDL implementation, implementation of watershed management programs, and further development of biological objectives.

WEBSITE SUBCOMMITTEE

Stephanie Reyna-Hiestand, Chair

The Website Subcommittee was very busy in 2013 with the newly released, visually stimulating and very user-friendly CASQA website. Project 6 from Berkeley, California and Amy Porter, project coordinator, were the visionaries and behind the scenes gurus for the new website. The subcommittee worked side by side

with Project 6 in the overall feel of the website along with its content and layout. The experience for the user is much more up-to-date and should be much easier to navigate. Visually the website allows the user to follow the flow of the webpage more efficiently and is appealing to eye with its colors and photo selections. A few new areas have been added in response to user suggestions and the option to Donate to CASQA is now available as well.



In 2014, we anticipate new areas of development along with better communication through the forums and availability of hot topics at your fingertips.

The CASQA Store is also much more intuitive and should be simpler to select and pay for your choice of product. In 2014, we anticipate new areas of development along with better communication through the forums and availability of hot topics at your fingertips. New portals such as the Effectiveness Assessment are being developed to help our members meet their stormwater permit compliance and should be available in the spring.

The newly designed website provides enhanced navigation and functionality with an appealing, well-ordered layout

MEMBER SPOTLIGHT

CITY OF TRACY

A PROGRESSIVE PARTNERSHIP PROPONENT

The City of Tracy is located east of the San Francisco Bay Area and south of Sacramento, and is one of the southernmost cities in the Sacramento - San Joaquin Delta. The City has a population of over 85,000 and covers more than 21 square miles. Tracy has continued to grow over the past decade, even through a slow economy, and will be annexing two new residential communities in the next year with an anticipated population growth of over 5,000 new residents. The City drains into the Old River Watershed and has a fairly flat topography, running from south to north with an average rainfall of 9.9 inches annually.

City staff had little knowledge about Stormwater Management practices prior to the adoption of the NPDES Phase II MS4 permit in 2003. As a result, staff researched other local and regional agencies who were implementing stormwater pollution prevention practices to gain an understanding of the current state of the art. In early 2003, Tracy partnered with several local municipalities to form a stormwater collaborative, which consisted of stakeholders within San Joaquin County from Phase I MS4s, Phase II MS4s, consultants and volunteers; all in anticipation of the upcoming Phase II permit release. The City also began partnering with local agencies and environmental groups such as Targeted Opportunities to Prevent Pollution in Stockton (TOPPS) and the Peach and Justice Network (Earth Day

Festival) in an effort to promote outreach and public education. The strategy of learning from those who were already implementing strategies for permit compliance and attaining program effectiveness was very beneficial and cost-efficient.

The City of Tracy prides itself in implementing progressive approaches to problem solutions, and used this method for implementing the requirements of the NPDES Phase II MS4 permit. Tracy was very proactive during the first permit cycle, implementing sound stormwater management and discharge ordinances as well as developing, adopting and enforcing a post construction program through design standards. The City also began monitoring for constituents of concern in 2007. Tracy has a robust construction management program, and conducts annual joint inspections with State Water Board staff to ensure that practices are current, complete and protect receiving waters. The City of Tracy outreaches to the community through movie theatre advertisements, utility billing inserts and at local events. Utilizing good implementation and enforcement tools is one way the City is working towards its water quality goals.

The City of Tracy has been a member of CASQA since 2004 and is actively involved in helping to shape effective policy decisions through participation in the Phase II subcommittee and most recently having a representative elected as a CASQA Board Member. City staff has also served as the Website Subcommittee Chair on the EPC since 2005. The City has written and submitted several letters and engaged in dialogue with the State

and Central Valley Water Boards in regards to various Water Quality objectives. The City believes that in order to protect this regions' valuable resources, we must work in concert with other stakeholders to ensure that all beneficial uses are considered.

Tracy is surrounded by agriculture and its primary stormwater discharge conveyances are comingled with agriculture drainage. The water quality impacts from municipal sources include bacteria, nutrients, metals and dissolved minerals along with sediment from hydromodification and construction within and surrounding the City. Tracy is currently subject to a single TMDL for chlorpyrifos and diazanon; however, a methyl-mercury TMDL is under development. The City is working closely with, and serves as the Phase II MS4 representative in stakeholder discussions on both the Delta Regional Monitoring Plan Steering Committee and the Mercury Reduction Program. The City strives to protect and improve the Delta through collective processes with local state and federal agencies as well as other stakeholders.

The City of Tracy promotes partnerships wherever possible to meet the many regulatory stormwater mandates, that continually shift the way public entities operate and provide services to the community they serve. The small stormwater collaborative that began in 2003 united with other entities throughout San Joaquin, Stanislaus and Merced Counties. This larger group formed the San Joaquin Valley Stormwater



Members of the San Joaquin Valley Stormwater Quality Partnership attending a training session

Quality Partnership in December 2011, and now consists of agencies from Lodi to Merced. Each partner is working together to determine how best to implement municipal stormwater programs, improve stewardship and cooperation, and increase public support within their population base. The City of Tracy will continue to partner with stakeholders throughout California to improve Stormwater Program Management practices to make them cost-effective, and work towards attaining a balanced expenditure of public resources to ensure the protection of beneficial uses of our waterways through leadership, innovation, and informed decision-making.

For More Information

Contact Stephanie Reyna-Hiestand, Water Resources Analyst II
(209) 831-4333 www.tbinkinsidethetriangle.com

(continued on next page)

MEMBER SPOTLIGHT

CITY OF ROSEVILLE

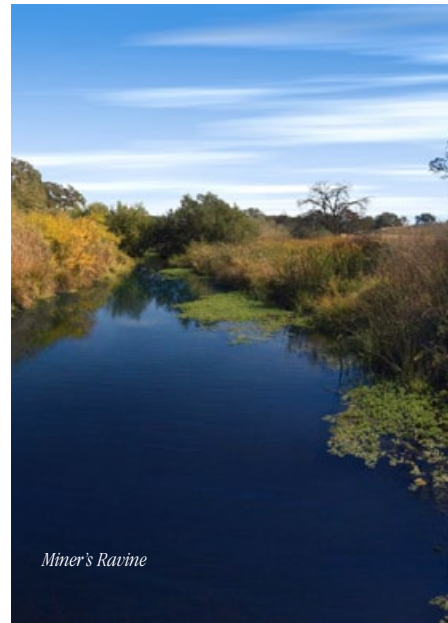
Roseville is a progressive city with an eye towards the future. All the while, the City retains its rich historical railroad heritage and sense of community. Located in Placer County along the eastern edge of the Sacramento Valley at the base of the Sierra Nevada foothills, Roseville is a mere 16 miles from Sacramento, the state capital. Typical of other California cities, Roseville's Mediterranean-climate is hot, with dry summers and mild winters. What started as a town established by disappointed miners from the famed Gold Rush has blossomed into a thoroughly modern, independent city expected to exceed the 200,000 population mark at build out. Currently Roseville boasts an estimated population of over 125,000. Although Roseville's population now exceeds the 100,000 mark, the City is a Phase II MS4 as the City's residential population was below that threshold prior to the issuance of the first Phase II permit.

The City lies within two watersheds, the Pleasant Grove Watershed and the Dry Creek Watershed. Within the city, these watersheds are home to nearly 40 miles of creeks and associated open space. Roseville's watersheds support resident native and introduced fish populations as well as annual runs of Chinook salmon and steelhead. Roseville's creeks are a valuable natural resource providing habitat for wildlife and enhancing the quality of life for city residents and businesses.

The City's stormwater management program was first created in 2003 in response to the first Phase II MS4 permit. Since that time it has grown into a locally

well respected program. While all six Minimum Control Measures set forth by USEPA in the Phase II Rule are addressed within the program, significant effort has been placed in public involvement and education of local adults and children via an Adopt-a-Creek Program, specialty programming and educational opportunities at the City's Utility Exploration Center, and participating in community outreach opportunities.

The Adopt-a-Creek program is a chance for local groups to participate in creek improvement projects throughout Roseville to help sustain the health and beauty of these natural resources. To date, more than a dozen organizations have adopted creek sections within both watersheds. These groups include environmental firms, non-profit corporations, neighborhood associations and high school



classes. Adopt-a-Creek groups participate in City-approved clean-up events, invasive removal and even restoration projects such as bank repair.

The stormwater program works closely with Roseville's Utility Exploration Center (RUEC). The RUEC is an award winning facility that educates students, residents and businesses of Roseville and surrounding communities about energy, water conservation, stormwater quality and waste reduction. The center provides a lively combination of hands-on exhibits with demonstrations, presentations and workshops. Future plans include an outdoor extension called the Ideascap, which will feature exhibits on eco-friendly landscaping, irrigation and construction innovations, solar energy, and watershed protection.

While stormwater program staff participates in a multitude of community events, one event stands out, the city's annual Celebrate the Earth Festival. This festival provides opportunity to interact and educate community residents and kids with a multitude of

messaging from integrated pest management with our "Green Bug" to only rain in the drain with a game for youngsters. It is very well attended with more than 3,000 local residents participating.

In addition, the stormwater program directs much of their public outreach efforts to educate residents about less toxic alternatives to synthetic pesticide use. The City implements a point-of-purchase educational program called Our Water Our World (OWOW) at four large home improvement stores in the City; two Home Depots, Green Acres Nursery, and Bushnell's Nursery. This is in response to the 303(d) listing of three tributaries in the Pleasant Grove watershed. These creeks are listed for pesticide toxicity caused by the family of compounds called the pyrethroids.

While Roseville has made great strides in education and improving our local creeks, the City's is also very active in engaging with other Phase I and Phase II MS4s to seek efficient and cost-effective stormwater permits. To that end the City staff have actively been involved in many CASQA's subcommittees and as well with the Placer Regional Stormwater Coordination Group (PRSCG). The PRSCG originally was established to allow for greater collaboration amongst the Phase II MS4s in Placer County. Today the group includes agencies from El Dorado County, Sutter County and even Solano County.

For More Information

To learn more about the city's stormwater program, please visit http://roseville.ca.us/eu/stormwater_management/default.asp

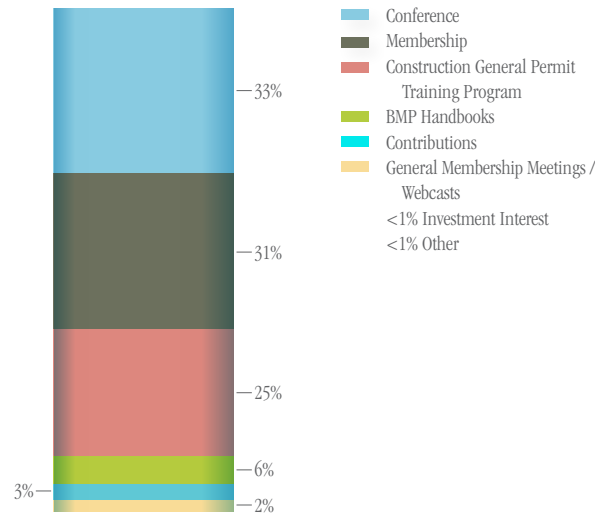
APPENDIX A | FINANCIAL SUMMARY

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.

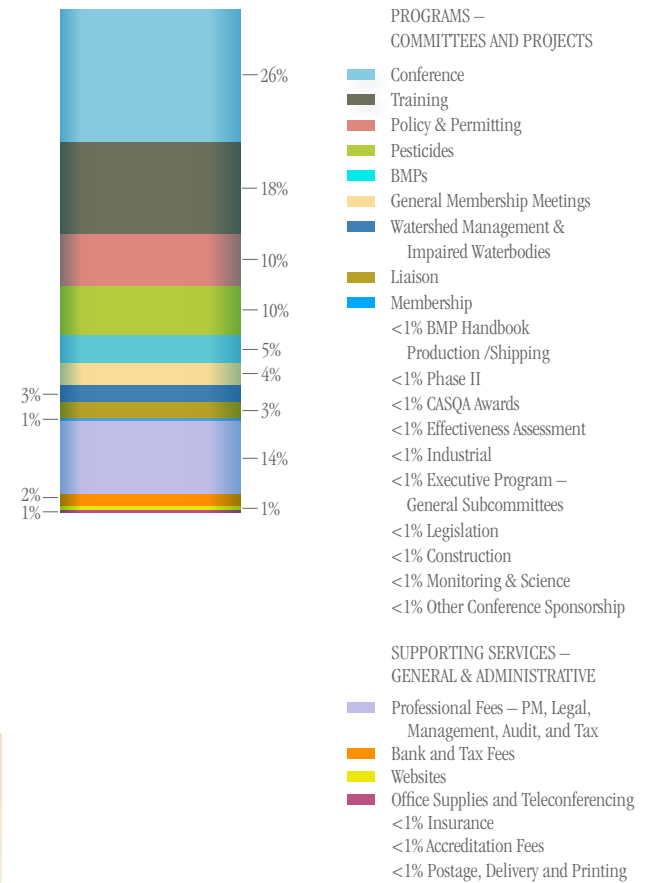
CASQA is organized and operated exclusively for charitable and educational purposes within the meaning of Section 501(c)(3) of the Internal Revenue Code. CASQA follows Financial Accounting Standards Board Statement (SEAS) No. 117, Financial Statements of Not-for-Profit Organizations, for presentation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

The financial summary for the year ended December 31, 2012 is drawn from the REPORT ON AUDIT OF FINANCIAL STATEMENTS for the year ended December 31, 2012 (Burr, Pilger & Mayer, LLP).

REVENUES \$1,222,611



EXPENSES \$952,801



STATEMENT OF ASSETS AND LIABILITIES

Revenues	\$	490,479
Liabilities	\$	69,342
Net Assets	\$	421,137

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Watershed Protection District

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Pesticides Co-Chair / Co-Chair and Representative

to DPR Pest Management Advisory Committee

Napa County Stormwater Pollution Prevention

Program / County of Sacramento

Jamison Crosby / Cathleen Garnand

Phase II Co-Chairs

Napa County Stormwater Pollution Prevention

Program / Santa Barbara County

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Alameda Countywide Clean Water Program

Daniel Apt †

Training Chair, *RBF*

Richard Watson * †

Watershed Management & Impaired Waters Chair, *RWA*

Stephanie Reyna-Hiestand

Website Chair, *City of Tracy*

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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Kevin McGillicuddy † *Roscoe-Moss*

Mark Grey † / **Kathryn Hubbard** †

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Mack Walker † *Larry Walker Associates*

Drew Kleis / Ruth Kolb *City of San Diego*

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Jill Bicknell

Santa Clara Valley Urban Runoff

Pollution Prevention Program

Daniel Rourke

Fresno Metropolitan Flood Control District

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Scott McGowen *

California Department of Transportation

For more information on CASQA Directors, Staff and Committees, please visit our [contacts page](#) on the CASQA website.

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)

Below is a list of the 22 comment letters and 5 instances where testimony was provided by CASQA during 2013. Comment letters and other materials are available on the CASQA website, or may be obtained by contacting us at info@CASQA.org.

2013 COMMENT LETTERS AND TESTIMONY

EXECUTIVE DIRECTOR

September 19 – Comments to State Water Board on Proposed Stormwater Permit Fee increase

September 24 – Testimony to State Water Board on Proposed Stormwater Permit Fee increase

INDUSTRIAL SUBCOMMITTEE

August 21 – Testimony to State Water Board on July 2013 Draft Industrial General Permit

September 19 – Comments to State Water Board on July 2013 Draft Industrial General Permit

PESTICIDES SUBCOMMITTEE

February 12 – Comments to USEPA on Improved Examination of Surface Water Quality Risks and Chlorinated Isocyanurates Registration Review

February 12 – Comments to USEPA on Hydramethylnon Registration Review

February 27 – Comments to Water Board on Coordinated Pesticides Monitoring in Urban Watersheds

March 28 – Comments to Central Coast Regional Water Board on Proposed TMDL for Toxicity and Pesticides in the Santa Maria Watershed

May 28 – Comments to USEPA on Triclosan Registration Review

July 6 – Comments to USEPA on Proposed Registration – Cyantraniliprole Urban Products

August 23 – Comments to USEPA on Metofluthrin Registration Review

August 26 – Comments to USEPA on Halohydantoin Registration Review

August 26 – Comments to USEPA on Indoxacarb Registration Review

November 25 – Comments to USEPA on Momfluorothrin Registration Application

PHASE II SUBCOMMITTEE

January 8 – Testimony to State Water Board on Phase II Small MS4 Permit

February 5 – Testimony to State Water Board on Phase II Small MS4 Permit

POLICY AND PERMITTING SUBCOMMITTEE

March 11 – Comments to Los Angeles County Board of Supervisors regarding Support for the Clean Water, Clean Beaches Water Quality Funding Initiative

April 2 – Comments to State Water Board Regarding Receiving Water Limitations (RWLs) Consideration Process

May 10 – Comments to Central Coast Water Board on Draft Resolution R3-2013-0032 Approving Post-Construction Stormwater Management Requirements for Development Projects in the Central Coast Region

August 14 – Comments to State Water Board on RWLs

September 4 – Comments to Regional Water Board 5 on Application of Enforcement Policy as Raised by Proposed ACL

October 8 – Testimony to State Water Board on RWLs

October 15 – Comments to State Water Board on Other Issues-Los Angeles MS4 Permit Petitions

December 3 – Comments to USEPA on Water Quality Standards (WQS) Regulatory Clarifications

December 12 – Comments to USEPA on Proposed Rule: Electronic Reporting

December 23 – Comments to California Supreme Court on *State Department of Finance v. Commission on State Mandates (County of Los Angeles)*; Second District Court of Appeals Case No. B237153; California Supreme Court Case No. S214855

WATERSHED MANAGEMENT AND IMPAIRED WATERS SUBCOMMITTEE

February 28 – Comments to the Department of Toxic Substances Control (DTSC) on Proposed Safer Consumer Products Regulations