PRESIDENT’S MESSAGE

Dear Western Chapter Members,

My thanks go out to all Western Chapter Members that took the time to vote in the election of Chapter Directors held in mid-summer. Directors are the volunteers that run the “administrative side” of the Chapter, and having the input from members in the election of Directors is critical to the health of the organization.

I am pleased to announce that incumbents Jeanne Duarte and Danny Reynaga have been elected to serve another term. Jeanne and Danny bring with them a deep bench of experience in Chapter operations and procedures, meaning they will hit the ground running.

I’m also pleased to announce that Melanie Sotelo has been newly elected to serve as a Chapter Director. Melanie is a Co-Chair of the California Stormwater Quality Association’s Construction Subcommittee, meaning she will bring new insights and ideas on where the Chapter should focus its workshops and training programs.

The Chapter Directors elected Chapter Officers during the August 28, 2018 Board Meeting. Your Chapter Officers for 2018-19 are as follows:

- Jeff Endicott, President
- Jeanne Duarte, Administrative Vice President and Treasurer
- Richard Dunbar, Technical Vice President
- Danny Reynaga, Secretary

Chapter Events for the coming year were the primary point of discussion during the August Board Meeting. Due to staffing changes at IECA Region 1 that will likely change the timing for joint Western Chapter and Region 1 events, the Western Chapter Board is going to revisit the subject of Chapter Events at our next Board Meeting. This pause is essential to make sure the Chapter only commits to events for which it has the resources and volunteer pool sufficient for planning and implementing a quality event.

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TIME TO GET INVOLVED...

We invite you to join the team!

Click here for more information on the committees that need your help to function, grow, and succeed.

An organization is only as strong and active as its members—will you become an active member?

Email the chairperson of a committee today!

CALL FOR ARTICLES

Do you have a technical article, regulatory update, or event announcement you'd like to share with your fellow members?

Please forward articles to Cyndi at westernchapter@gmail.com and we'll publish them in the next issue of Western Chapter News!

Thank you!

PRESIDENT’S MESSAGE CONTINUED

The IECA Annual Conference is in Denver Colorado this year, February 19-22, 2019. Registration is already open, and you can find just about everything you will likely want to know about the Annual Conference here: https://www.eventscribe.com/2019/IECA/. The Western Chapter will hold its Chapter Annual Meeting during the conference, so if you are going to Denver, please consider attending the Western Chapter’s Annual Meeting.

The IECA Mountain States Chapter invites you to join them at the IECA Welcome Reception held at Wynkoop Brewery on Tuesday, February 19th from 6:45-10:00 PM. Pull up a stool at the large wrap-around bar; test your skills at the pool tables, dart board or shuffle board tables. Wynkoop is Colorado’s first Brewpub, home to tastemakers and rulebreakers, bushwhackers and envelope pushers. For almost three decades Wynkoop has been brewing handcrafted beer in a modest basement brewery underneath Denver’s largest pool hall. Over the years the neighborhood has transformed and Colorado’s craft beer industry has exploded. And Wynkoop is still there, serving cold beer to warm friends. Kick off the 2019 IECA Annual Conference with a true Colorado welcome. Throughout the event you will have the opportunity to go on a 25-minute brewery tour with the Brewmaster. Tickets will include dinner and a craft brew (or house wine). Prices are $20 for members and $25 for non-members. Please be sure to add them to your registration! I’m definitely planning to attend this Welcome Reception and recommend you do too. Welcome Reception details can be found here: https://www.eventscribe.com/2019/IECA/...

Fires, storms, hurricanes, and a return to more “normal” rainfall patterns have been prominently in the news, and are keeping many Western Chapter members very busy in responding to these events. It’s good to know that engaged professionals are available to help protect property, restore the land, move communities back towards normalcy, and expand the understanding of the relationship between humankind and the environment. Through these challenges and endeavors, we learn. Your Western Chapter of IECA looks forward to opportunities to compile what’s been learned and to translate that knowledge into learning events for our members.

Sincerely,

Jeff Endicott, PE, BCEE, CPESC
President, Western Chapter
International Erosion Control Association
POST-INCIDENT PREPAREDNESS

Focus of the Workshop:

The purpose of this workshop is to provide guidance for cities, communities, homeowner associations, water districts, utilities and other stakeholders in the development of a post-incident preparedness plan (PIP) to address erosion, sediment and stormwater issues following the incidence of wildfire. The intent of a PIP is to identify the resources available to characterize – and thus prioritize for remediation – watersheds within the boundary of a burned area that have the potential to experience accelerated erosion, sedimentation, flooding and debris flows post-fire that may impact human health and safety and infrastructure. The PIP can also identify upfront sources of labor, materials and equipment to address immediate action items as well as to plan the more long-term sustainable management practices (SMPs). Subjects that will be discussed include:

Organizational Concerns: In-house resources and responsibilities; Contractor/Consultant roles; Communication; Documentation and accountability; Health & Safety program.

Funding and Permitting Issues: USDA/NRCS Emergency Watershed Protection Program (EWPP); Exigency work; Sources of funding and time frames; Permits and approvals; Documentation.

Available Resources: Burned Area Emergency Response (BAER) reports; Aerial imagery (satellite, aircraft, drone); geology, soils, topography, vegetation; drainage features and infrastructure;

Immediate Action Plans (IAP): Inspection and maintenance of existing drainage facilities;

Hazard Assessment and Mitigation Plans (HAMPS): Field hazard assessments; Prioritization of remediation sites; Selection of sustainable remediation practices (SMPs); Cost estimates and preparation of documents for bids.

Deployment of Sustainable Management Practices (SMPs): Education and training; Supervise application/installation of SMPs; Monitor and maintain installations throughout first rainy season; Documentation of as-buils.

For Information and to Register for Workshop, Please Contact: Mike Harding, Haley & Aldrich, Inc. mharding@haleyaldrich.com - 619.285.7119 - 5333 Mission Gorge Rd, Ste 300, San Diego, CA 92108

THANK YOU

√ 53 or 14% of our members who voted.

√ Outgoing director, Dwight Blackburn for your service.

TELL US WHAT YOU THINK

We want to know, your opinions matter - please take the short survey. Go to SURVEY.

WHEN THE SPEC ONLY READS "INSTALL STRAW WATTLEs."
WILDFIRES AND TOXIC ASH

With the increasing regularity of wildfires encroaching on residential, industrial, and commercial areas, regulators and residents have become increasingly concerned with the second disaster...toxic ash becoming airborne or being carried into nearby waterways through stormwater runoff. Since 2016, global agencies have been calling on contractors to install Posi-Shell on burned areas to prevent ash from becoming airborne or entering waterways. Check out the video at https://youtu.be/lCx9HZVQ0Bs.
Meet your new board member

Melanie Sotelo
CPESC, CPSWQ, CPMSM, QSD/P, QISP, ToR
msotelo@cascinc.com
(909) 835-0313

My name is Melanie Sotelo and I am currently employed as an Environmental Program Manager by CASC Engineering and Consulting, and am fortunate enough to have an employer that supports volunteering with industry-leading organizations such as the California Storm Water Quality Association (CASQA) and WCIECA. My background is in environmental science and my water quality experience began in the late 1990s. I am a CPESC, CPSWQ and CPMSM certified through Envirocert International, and am also an approved QSD/P, QISP and a Trainer of Record for the Construction General Permit.

When the economy collapsed and we were short-staffed in every department, I made a name for myself by stepping up and volunteering to take on a dramatically increased workload, eventually working my way up from Design Technician to Environmental Program Manager. My experience in that capacity includes leading the development of SWPPPs for over 200 linear utility and traditional projects, providing training for field crews, conducting water quality monitoring and reporting, and consulting for Southern California Edison on erosion control BMP measures for implementation in post-fire burn areas. In 2014, my position, combined with CASC’s pro-volunteer mentality, afforded me the opportunity to take on a leadership role as the Co-Chair of the Construction Subcommittee for CASQA, a position I have held ever since and which requires skills in organization, communication and planning. Further, as an approved Trainer-of-Record, my erosion and sediment leadership skills are utilized to coordinate, update training, scheduling, record-keeping and responding to participants questions when providing training to municipal staff, water district staff, public utility staff, consultants, contractors, and other interested parties.

Outside of work, I often enjoy taking time out to recreationally swim and read crime novels, but my single most driving passion is my children. Every day, they impress me beyond what I thought was possible, and my hope for their future compels me to renew my focus on the environment. I’m their single biggest fan, and I want to ensure that the world they inherit will be as safe and clean as I can make it.
UPCOMING TRAININGS, DATES & MEETINGS

October 30, 2018 Post-fire Preparedness Workshop, San Diego, CA. For more information and to register contact Mike Harding - 619.285.7119.

October 31, 2018 Environmental Excellence Awards Nominations.

TENTATIVELY December 12 & 13, 2018 (Orange County Great Park, CA) Soil Erosion and Sediment Control Class. Save the date - more details will be made available to you soon!

February 21(Thurs.), 2019, 4:00 p.m. - 5:00 p.m. Western Chapter General Meeting, Mile High Ballroom 4E, Denver at Annual Conference.

WEBINARS & SHORT COURSES

October 17, 2018 Connecting with Stakeholders for Stormwater Success

November 7, 2018 *FREE TO IECA MEMBERS* Soil Health for Construction and Revegetation Projects - Sponsored by Profile Products

November 14, 2018 Stormwater Management Pond Muck - Costly Waste or Valuable Resource?

December 5, 2018 *Free for IECA Members* 2018 IECA State of the Industry!

December 12, 2018 Designing Effective Sediment Basins using Spreadsheets

Training

IECA’s New eLearning Experience

Online industry education at your fingertips.

IECA’s new and enhanced eLearning platform offers over 100 courses taught by industry experts for industry professionals. All IECA eLearning is self-paced and available to you anytime, anywhere. Browse Courses

EnviroCert International provides oversight and direction for the CPESC, CESSWI, CPSWQ, CMS4S certification programs. Phone: (828) 655-1600 david@envirocertintl.org www.envirocertintl.org.

California Construction General Permit QSD and QSP Training Courses provided by CASQA-qualified CGP Trainers of Record (CGP-ToR). Professionals developing SWPPPs (QSDs) or professionals implementing SWPPPs (QSPs) under the CA construction general permit must complete this training. For training classes, go here.

Training-Offered by CISEC - For one and one-half day construction site inspector training modules on sediment and erosion control. Visit www.cisecinc.org for various dates and locations coming up in California.
**Situation**

Toll Brothers Inc, a top ranked luxury home developer, needed a solution to revitalize deficient soils for the master planned community of Robertson Ranch.

The steep, coastal slopes of the property had been depleted from years of farming practices on the site. The construction site overlooked the threatened wetlands of the Agua Hedionda Lagoon and was flanked by the historic El Camino Real highway. The implementation of a precise erosion control and landscape plan was necessary to elevate and protect the value of the development. By understanding the soil, the survival of the ornamental landscape and the restoration of native vegetation could be ensured.

**Challenge**

The completion of several soil tests for the site provided a better understanding of the soil’s physical and chemical composition. The results revealed:

- A striking deficit in Soil Organic matter, in the .8% range, well below the 5% optimum
- An Elevated sodium absorption ratio (SAR) of 7.48
- Elevated pH levels of 8.4
- Low Nitrogen, low Phosphorous, and levels of Chlorine prohibitive for vegetation to establish

The landscape slopes would need to be treated with a holistic approach to address the nutrient deficiencies and toxicities in the soil.

**Solution & Application**

Phil Armstrong of The Lightfoot Planning Group in Carlsbad, CA, led a soil conditioning and leaching plan. Together, the project contributors administered the prescription to lower elevated salts, stabilize pH, and facilitate better chemistry and fertility in the soil.

**Soil Leaching & Soil Amendments:**

- Gypsum and Humates were applied and heavily watered-in to facilitate leaching prior to planting.
- ProGenics Biotic Soil Media was hydraulically applied to boost Organic Matter, improve soil chemistry and biology, and start the nutrient cycling process in the soil.
- Prescriptive Agronomic Formulations (PAF’s)
  - JumStart (liquid) – Growth Stimulant
  - BioPrime – Bio stimulant with slow release 18-0-0 nitrogen and mycorrhizae.

**Erosion Control**

- Coir blanket
- Straw blanket – biodegradable netting
- HEC’s

**Results**

- The soil amendments and erosion control protection provided the ideal growing environment for the seed and container stock to thrive.
- The use of a hydraulically applied biotic soil media and PAF’s decreased installation times and minimized traffic congestion along El Camino Real highway. Significant savings on the project were accomplished due to this speedy installation. Additional benefits included the reduction in construction equipment overhead that is typically required to convey and incorporate compost.

**Project Contributors**

The Lightfoot Planning Group, Brightview Landscape, HydroSprout Inc, Stover Seed, Profile Products LLC

Denny Reynolds, CPSC, OSID
dreynolds@profileproducts.com
PROFESSIONAL LISTINGS

Pacific Coast Seed is Northern California’s premier supplier of CA native grasses and wildflowers, turf grass seed, and other erosion control materials such as fertilizers, mulches, and soil amendments. We provide seed and other materials for diverse applications including restoration, reclamation, revegetation, ornamental landscaping, and erosion control. We offer specialty seed collection from site-specific sources. For more information check out our website www.pcseed.com or contact us at 925-373-4417 or info@pcseed.com.

Marvin E. Davis & Associates, Inc. focuses on the challenging issues of the Tahoe Basin and Northern Nevada/California terrain. Our professionals provide a diverse and solid background in geotechnical engineering; specialized engineering design; erosion control services; construction and forensic inspection services and materials testing; and, regulatory and compliance issues to enable project approval. Phone 775-753-9100 or visit us at www.mdageotechnical.com.

Linwood Supply, Inc. distributes the tools you need for Erosion Control and Storm Water Management including Erosion Control Blankets, TRM and HP-TRM, HydroFiber™, Coir products, organic fertilizers, native and grass seed, plus, for oil spill remediation, Rubberizer booms, mats and filters. Other services include written pesticide recommendations and soil testing. We will always provide you with the level of service and professionalism you deserve. Linwood Supply, Inc. is a certified small business based in California. If Your Storm Water is as Clear as Mud™ - Please call us at 707 678-5087 or visit us at www.linwoodsupply.com.

LSC Environmental Products exists to solve some of the industry’s most persistent environmental challenges... such as erosion, revegetation, odor, dust, and waste cover through the application of our spray-applied coatings. You probably know LSC as the “ADC guys”, which we have been for the past 26 years, but we are more than that. With the acquisition of Terra Novo, Inc., who are best known for their EarthGuard® products; and have served the erosion and sediment control industry for almost 20 years. We are excited to offer new solutions, including soil amendment, site winterization, intermediate cover, and special waste that we believe can benefit virtually any site.

CBI Systems, Ltd. is the developer of MS4web v2.0, a compilation of more than 16 years of industry experience and customer feedback fueling a GIS application that will assist in maintaining data, inspections and compliance activities, but is versatile enough to keep up with the ever-changing regulatory landscape. Sign up for a free 30-day trial at www.ms4web.com. CBI Systems, Ltd. also offers inspection only based applications. For more information please call us at 409.835.3095 or email us at info@ms4web.com.

Kelley Erosion Control, Inc. established in 1983 is recognized throughout Nevada and California as a leader in the industry. KEC has an excellent reputation known for quality, competency, solutions, innovative ideas, cutting edge technology, excellence and client satisfaction. Services include: Hydroseeding, site preparation, dust control applications, BMP’s, revegetation and project maintenance, site winterization, wetland mitigation, stream channel stabilization, planting and irrigation, mining reclamation, soil stabilizer applications, biotechnical applications, and fire restoration/rehabilitation. Phone (775) 322-7755 Fax (775) 322-6606 Contact – Claudia Chambers CPESC, CISEC, QSP Claudia@kelleyerosioncontrol.com. Visit us at www.kelleyerosioncontrol.com.

EarthSavers Erosion Control Products is the home of the “Original Rice Straw Wattle”. Our certified weed free wattles have been tested for sediment retention at San Diego State University and proven in field studies by Caltrans and numerous other agencies. EarthSavers wattles are available in 3 diameters, photodegradable netting or 100% biodegradable burlap. Additionally, EarthSavers is a master distributor for a full line of erosion & sediment control products, geosynthetics and more. Our network of distributors provide local access to premium BMPs and EarthSavers’ experienced staff can provide superior technical support to our distributors and their customers and specifiers.

Suståne Natural Fertilizer — For over 30 years of continuous operation, Suståne Natural Fertilizer, Inc. has produced the highest quality natural based and organic fertilizers and soil amendments distributed in the U.S. and exported to 50 countries worldwide. Suståne Natural Fertilizer maintains and operates its U.S.E.P.A. permitted compost site, manufacturing facility and corporate offices from Cannon Falls, M.N. Suståne fertilizers and soil amendments provide readily available, balanced nutrition with beneficial microbiology to provide the basic soil components for exceptional plant establishment and long term sustainability. Call 800-352-9245 to speak with a Suståne Regional Specialist or with our International Team Leader.

Nedia Enterprises manufactures a complete line of erosion control, sediment control, and bioengineering products made primarily from natural fibers. Committed to the conservation of the environment, we are constantly striving to develop products that contribute to its enhancement and protection. Our products are subject to stringent quality control measures that meet or exceed industry standards. Nedia offers sound technical advice on product selection and installation with a thorough understanding of the benefits and limitations of the products. A large inventory of products in several distribution centers across the country facilitates cost-effective and timely delivery of our products. Contact 888-725-6999 or email info@nedia.com.