









NAPA COUNTY WATERSHED SYMPOSIUM

Thursday May 19, 2011 Yountville Community Center Yountville, CA























2011 NAPA COUNTY WATERSHED SYMPOSIUM

Watersheds at a crossroads: recognizing progress and preparing for the future

Thursday, May 19, 2011 Yountville, CA

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Slides and posters presented during symposium will soon be available at: www.napawatersheds.org

The organizers of the Napa County Watershed Symposium wish to thank all sponsors, speakers, and members of the audience for supporting the event.

Sponsors

Napa County Resource Conservation District Watershed Information Center and Conservancy of Napa County California Department of Conservation Town of Yountville Napa Green Certified Winery and Napa Green Certified Land Napa County Flood Control and Water Conservation District City of Napa Water Division

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Napa County Stormwater Pollution Prevention Program **Stillwater Sciences** West Coast Watershed Winzler and Kelly

Wine donations

Cain Vineyard and Winery Napa Sustainable Winegrowing Group Rutherford Ranch Winery Trefethen Family Vineyards

Acknowledgements

The following individuals deserve special recognition for their assistance with coordination and planning:

> Frances Knapczyk Patrick Lowe Jeff Sharp Leigh Sharp John Woodbury

Symposium Goals

- 1. Articulate common watershed goals
- 2. Survey completed and ongoing watershed projects to recognize progress towards watershed goals
- 3. Identify our watersheds' needs so that we can strategically plan future projects
- 4. Highlight need to continue collaborative efforts to reach our goals
- 5. Evaluate sources for funding in the future, and how best to obtain funding for local projects

Agenda

8:30 Registration, poster and exhibit viewing

9:00 **Welcome**

Kate Dargan, Master of Ceremonies, State Fire Marshall, Retired

David Graves, Master of Ceremonies, Saintsbury Vineyards and Winery

Honorable Diane Dillon, Supervisor, Napa County

Honorable John Dunbar, Mayor, Town of Yountville

9:20 A journey through Napa County's watersheds

Patrick Lowe, Watershed Information Center and Conservancy of Napa County

Robin Grossinger, San Francisco Estuary Institute

10:00 Morning Session: Recognizing progress

Setting goals and tracking progress

Fraser Shilling, Department of Environmental Science and Policy, UC Davis

10:20 On-the-ground approaches to meeting our goals

Jeremy Sarrow, Napa County Flood Control and Water Conservation District

Laura Lewis and Karen Fleming, Harvest Middle School

Jonathan Koehler, Napa County Resource Conservation District

- 11:20 15 minute break & exhibit viewing
- 11:35 Susan Boswell, Chateau Boswell Winery and Jeri Gill, Sustainable Napa County John Woodbury, Napa County Regional Park and Open Space District
- 12:15 Reflecting on progress and identifying needs

12:20 Poster Session: Tour of watershed projects

Lunch served in Heritage Room

2:00 Afternoon Session: Preparing for the future

Panel discussion: Finding the funding to move forward

Dennis Bowker, Private Consultant

Robert E. Doyle, East Bay Regional Park District

Steve Kokotas, MIG, Inc.

Rick Thomasser, Napa County Flood Control & Water Conservation District

Sam Ziegler, US Environmental Protection Agency, Region 9

- 3:25 Moving forward together
- 3:30 Reception, poster and exhibit viewing

Speaker Biographies (in order of appearance)

Kate Dargan

Kate Dargan has been a firefighter, fire chief and State Fire Marshal for California. Educated at Cal Poly – San Luis Obispo in Natural Resource Management, she has extensive fire and disaster response experience and worked on various boards, committees, councils, and task forces to advance wildland-urban interface fire safety. She chaired the State Board of Fire Services, chaired the Tahoe Fire Commission, served on the Napa County Watershed Board, and is a Board Member of the CA Firesafe Council. She has worked at the community, public agency, industry, and policy levels of the California fire service and is widely recognized for her consensus-building style and innovative approaches to old problems. She currently co-owns a software company that specializes in making geo-information technology useful for everyone.

David Graves

David Graves has lived in the Napa Valley for 30 years. He and his business partner Richard Ward, founded Saintsbury, a winery specializing in Pinot noir and Chardonnay, in 1981. Graves grew up in the Bay Area, and was educated at the University of California, Santa Cruz, the University of Chicago, and the University of California, Davis. He served on the Napa County Planning Commission for seven years. He and his wife live in Old Town Napa. He serves on the board of Friends of the Napa River and the Land Trust of Napa County. He is a Scorpio.

John Dunbar

John F. Dunbar was elected Mayor of Yountville in 2010. Prior to being elected Mayor, he was elected as a Council Member in November 2006 and was appointed by Council as Vice Mayor in December 2006 and again in December 2008. Dunbar was first appointed to an open seat on the Town Council in October 2004. He previously served on the Town's Zoning & Design Review Board. In addition to serving on the Town Council, Dunbar represents the Town of Yountville on regional and county wide boards and commissions, including the Napa County Flood Control & Water Conservation District and Napa County Transportation & Planning Agency (NCTPA).

A graduate of U.C. Davis, Dunbar and his wife, Robin, have lived in Yountville since 1998. He is chair of a citizen advisory group for the Pathway Home veterans care program in Yountville and enjoys golf and supporting sports at U.C. Berkeley, where he's worked in the Athletic Department for 21 years. Dunbar is a member of the Yountville Chamber of Commerce and is active in local non-profits and community service organizations. He also helped establish the town's first Wellness Fair in September 2010. He is a proponent of the Napa Valley Vine Trail and an active bike rider who enjoys riding on Yount Mill Road, the Yountville Mile and Solano Avenue between Yountville and Napa.

Diane Dillon

Supervisor Dillon represents District 3 on the Napa County Board of Supervisors. She was born and raised in Napa. She is the fifth generation of her family to live in Napa County, being descended from Connelly Conn, who came here in 1852 to join his uncle John Conn, who had arrived in the mid-1840s and helped Dr. Edward Bale build his mill. Today, Diane lives in St.

Helena with her husband, Bill Moseley, a Napa County real estate broker. In her leisure time, Diane enjoys tennis, golf, the great outdoors, genealogical and local history study, and reading.

A Napa High School graduate, Diane earned a B.A. degree with honors from UC Santa Barbara; a masters degree in library and information science from UCLA, with a specialization in law librarianship; and a J.D. from UC Davis, where she was a member of both moot court and law review. Diane has practiced law in Napa County since 1981. She was a certified specialist in estate planning, probate, and trust administration until her duties as Supervisor precluded her from maintaining the hourly requirements for this certification. Part of her legal career also included being deputy city attorney for the City of Calistoga. During college, Diane worked as a post office clerk for three years.

Patrick Lowe

Patrick Lowe has a Masters Degree from the University of North Carolina, Chapel Hill in Land Use & Environmental Planning (major) and Public Administration (minor); and Bachelors (BA) degrees in Environmental Studies and Anthropology from the University of California, Santa Barbara. Experience: More than 25 years experience in environmental and development planning, public policy analysis, and municipal and county administration in California (Napa County, Santa Barbara and San Diego); Austin, Texas; and North Carolina. As the Deputy Planning Director and head of the Conservation Division programs for Napa County, he is responsible for the Watershed Information Center & Conservancy (WICC), Wildlife Conservation Commission, and support for the Regional Park & Open Space District, as well as agricultural preserve contracts, vineyard development review, and GIS/graphics services.

Other coastal/watershed programs that he has managed include the City of San Diego's Local Coastal Program implementation, and Coastal Management Plan Updates for Wilmington & New Hanover County, North Carolina where he also developed the county's Tidal Creeks Watershed Program, and co-authored articles on development impacts on water quality in coastal watersheds with scientists from the Center for Marine Science Research/University of North Carolina-Wilmington. Mr. Lowe currently resides in Napa.

Robin Grossinger

Robin Grossinger is a scientist at the San Francisco Estuary Institute, where he directs the Historical Ecology Program. For the past 15 years, he has studied how landscapes of the Bay Area and California coast have changed since European contact. Most recently he has contributed to a special issue on historical ecology for the journal Landscape Ecology and a segment on these topics for the KQED TV science program QUEST. He has studied the Napa Valley landscape since 1999. Mr. Grossinger received his M.S. in Marine Sciences at the University of California at Santa Cruz in 1995, with research on the accuracy of early maps of the Bay and their use to determine the natural structure and function of tidal marsh systems. He is author or co-author of numerous technical publications and directs or advises regional historical ecology studies throughout the Bay Area and coastal California. This research has guided the conception and design of environmental restoration projects and inspired the exploration of the early landscape for insights into future land management scenarios. Robin has also developed popular presentations of ecological history for museum exhibits and public art, including BayBoards, an art/science campaign using billboards to reveal the hidden history and persistence of local landscapes. Most

recently he has contributed to a special issue on historical ecology for the journal *Landscape Ecology* and a segment on these topics for the KQED TV science program QUEST.

Fraser Shilling

Fraser does most of his research and teaching at the intersection of policy and science. He is the co-director of the UC Davis Road Ecology Center and a senior scientist in the Information Center for the Environment. He received his PhD from the University of Southern California almost exactly 20 years ago and since then has published several dozen scientific studies in the technical and peer-reviewed scientific literature. He is currently the lead science-guy for the development of "Sustainability Indicators" for the California Water Plan."

Jeremy Sarrow

Jeremy is a watershed and flood control resources specialist within the operation and maintenance division of the Napa County Flood Control and Water Conservation District where he works to assist and direct the implementation of several large scale monitoring and maintenance projects throughout the Napa River watershed. He has over 13 years experience conducting a broad range of natural resource assessments from species specific protocol level field surveys to watershed wide assessments utilizing Geographic Information Systems (GIS) and other modeling tools. Jeremy received his bachelor's degree from San Francisco State University where he majored in Geography and Environmental Studies and is a research associate at the California Academy of Sciences. Prior to working for the Napa County Flood Control District, he worked as both an environmental scientist and project manager for the California Academy of Sciences, San Francisco Public Utilities Commission and the California Department of Fish and Game.

Karen Fleming

Karen has been in education since 1994. She has taught both life and physical science, math, health and garden elective classes. Karen has noticed over the years that students may know the vernacular when it comes to current issues pertaining to the environment, but haven't necessarily known how to participate in making a difference. Karen and Laura Lewis team teach, and have used their Napa watershed unit to give their students the opportunity to be involved in making a difference in our community.

Laura Lewis

Laura Lewis graduated from UC Davis with a degree in Zoology in 1988, and received her California teaching credential in Life Science from UC Berkeley in 1992. From 1988-1992, she was the assistant director for "Project Circe" dolphin research project under a grant from the National Science Foundation and Marine World Foundation. During the past 19 years, Laura has taught middle school in Pittsburg, Vallejo, and Napa, where she currently teaches at Harvest Middle School. She has participated in and is a member of the Exploratorium teacher institute alumni, and current recipient of a watershed grant through Friends of the Napa River.

Through teaching life science, she enjoys helping to open up the world to young people, and helping them learn about and appreciate the amazing beauty that surrounds them. Teaching kids about wildlife, what they can do to help the environment, and seeing the wonder in their eyes when they see a bald eagle perched high on a tree-top at the eco reserve, are just a few of the things that keep her excited about coming to work each day.

Laura and her husband, who is also a middle school teacher, also own SurferMath, an afterschool tutoring center designed to support both students and families and help prepare students academically for college. They have resided in Napa for the past 13 years, and have three children who attend local schools.

Jonathan Koehler

Jonathan has been with the Napa County Resource Conservation District since 2001. During that time, he has monitored native fish populations, conducted stream habitat assessments, conducted bird monitoring efforts, and assessed amphibian habitat. For the past two years, he has coordinated the rotary screw trap monitoring effort on the Napa River, which has provided new insights on the status of steelhead, salmon, and other native fishes in the watershed.

Jonathan holds a Master of Science degree in biology with an emphasis in aquatic ecology from California State University Hayward. Prior to coming to the District, he worked as a permitted biologist studying redlegged frog populations in San Mateo County for several years.

Susan Boswell

As owner of Chateau Boswell Winery, Susan Boswell participated in the Napa Green pilot winery program achieving, in November of 2007, the first Napa Green Winery Certification. In 2010 Chateau Boswell Winery was the first to be recertified exhibiting a reduction in energy and water use as well as an increase in recycling. Napa Green Land certification was also completed in 2010.

Susan was past Chair of the Napa Green Advisory Committee and served as a member of the Napa Valley Vintners Climate Change Task Force. Currently Susan is the Chair of the Community and Industry Issues Committee for the Napa Valley Vintners and serves as a board member of the Napa County Watershed Information Center and Conservancy, and as a member of the Sustainable Napa County Board.

Jeri Gill

Jeri Gill is CEO of Sustainable Napa County, a nonprofit organization working with public and private partners on a comprehensive, collaborative campaign for long term environmental, economic, and social sustainability. Before taking the reins of Sustainable Napa County, she was Public Affairs Manager for the Napa Valley Vintners. Her other professional and management experience includes serving as founding Executive Director of the Lodi Conference and Visitors Bureau – a public private partnership between the City of Lodi and the Lodi-Woodbridge Winegrape Commission, and Program Director for the San Joaquin Farm Bureau.

Jeri is Past Chair of the Board of the Napa Chamber of Commerce and serves on the Chamber's Legislative Action Committee. She is a member of the Napa County Workforce Investment Board; the City of Napa's High Performance Building Ordinance Task Force and its Sustainability Plan Advisory Committee. She is a graduate of Leadership Napa Valley (LNV) Class 15 and is a member of the Napa Kiwanis Club. She also co-hosts a monthly radio program on KVON 1440 AM on local issues and topics related to sustainability. In 2007 she was awarded the Common Threads Award recognizing women in agriculture who are also active in philanthropic and community service, and was named one of North Bay Business Journal's Forty Under 40 in 2008. Jeri and her husband Jim live in Napa and are partners in Wooden Nickel Wine Company.

John Woodbury

John Woodbury, like many of his generation, was a professional student in the 1960's through the early 1980's, earning a BA in Comparative Culture from UC Irvine, a MA in Asian Studies from UC Santa Barbara and a Masters in City and Regional Planning from UC Berkeley. He has worked for various cities in the Bay Area on affordable housing, community development, historic preservation, design review, and general land use planning. John was an elected Director for the Alameda-Contra Transit District for ten years, and Executive Director of the Bay Area Open Space Council from its inception in 1993 until 2005. He was hired by Napa County in 2005 to help the County establish a park and open space district. After the voters approved formation of the Napa County Regional Park and Open Space District in 2006, John became the District's General Manager.

Dennis Bowker

Dennis specializes in designing consensus-based processes in a watershed context. He has 30 years of experience working directly with local communities throughout the United States, as well as in Mexico and in New Zealand. He has also worked with the U. S. Congress and several state legislatures, and with federal and state agencies to develop and implement new programs that enhance natural resource stewardship. He has delivered training in collaborative resource stewardship to over 3,000 participants across the country.

Robert E. Doyle

Bob Doyle became General Manager of the East Bay Regional Park District in 2011 after a 35-year history with the District. He began his career as a park ranger working in seven Regional Parks. He moved to the Planning & Design Department as a resource analyst and then to the Land Acquisition Department as the trail specialist. Later, Mr. Doyle became Chief of Land and Trail Planning before becoming an assistant general manager in 1990. Mr. Doyle's achievements at the Park District include co-authoring expenditure plans for both the \$500 million Measure WW Regional Open Space, Wildlife, Shoreline and Parks Bond Extension approved by voters in 2008, and the earlier Measure AA approved in 1988. He developed the master plan for the Park District's nationally recognized multi-use urban trail system, which received a \$10.2 million U.S. Department of Transportation Grant in 2010. Mr. Doyle was also the lead negotiator for a partnership with the East Contra Costa County Habitat Conservancy that has resulted in thousands of acres of preserved open space in East Contra Costa County

Doyle is a founding member of Save Mount Diablo, a nonprofit land trust and conservation organization; as Board president, he led the growth of the organization from 1,000 to 5,000 members. He also was a board member of the Bay Area Open Space Council, a founding board member of the Bay Area Ridge Trail Council, and was appointed to the first Board of Directors of the Agricultural-Natural Resources Trust of Contra Costa County. He has received industry recognition including a Mountain Star Award from Save Mount Diablo (2002) and a Lifetime Achievement Award from California Trails and Greenways (2010).

Steve Kokotas

At MIG, Steve is a Senior Project Manager and Director of Technology. Steve has a broad background that includes economic and community development, public involvement, land use and transportation, watershed, technology and regional planning experience. Steve has also overseen the development of web-based information management and decision support systems

for major public health, environmental, and regional planning initiatives. For over five years, Steve has been a member of MIG's core management team, which sets the overall vision and priorities for this 110 employee planning, design, communications, and technology firm. As the Technology Director, Steve's role also includes providing the strategic direction for the development and deployment of innovative technology tools that improve planning processes and outcomes.

Rick Thomasser

Rick Thomasser, P.G., is the Operations Manager for the Napa County Flood Control and Water Conservation District. He is also the Project Director for Napa County for Measure A funded restoration projects along the Napa River including the Rutherford and Oakville reach projects. Rick also oversees operations, maintenance and monitoring activities for the Napa River Flood Control project. Rick is a hydrogeologist and attended the University of Minnesota in Minneapolis. He spent the first 20 years of his career working in environmental consulting and has been with Napa County for the last 5 years.

Sam Ziegler

Sam is the manager of the Watersheds Office, within the EPA Region 9's Water Division. He is responsible for several programs aimed at improving water quality and aquatic ecosystems, with a special emphasis on the restoration of impaired waters through the implementation of watershed plans and Total Maximum Daily Loads (TMDLs). Programmatic responsibilities include nonpoint source, national estuaries (Morro Bay, Santa Monica and San Francisco Bay-Delta), and coastal and ocean programs, including participation on the West Coast Governors' Agreement on Ocean Health. He currently serves as a commissioner on the San Francisco Bay Conservation and Development Commission. His previous EPA assignments included overseeing the California Nonpoint Source Program, working on wetlands and land use issues for the San Francisco Estuary Project, and as a Community Relations Coordinator for Superfund sites. Previous to joining EPA in 1985, Sam worked for a few years as a community organizer for an environmental/consumer advocacy organization in New York State. He has received a Master of City Planning from the University of California at Berkeley (1985), and a BA in Geology and Environmental Studies from the State University of New York at Binghamton (1979).

Contributed Posters

A regional perspective on the ecology and management of steelhead in San Francisco Bay Area streams F.K. Ligon, M.R. Sloat, A.J. Keith, B.C. Harvey and B.K. Orr Stillwater Sciences

Addressing the Sediment Problem in Sonoma Creek Watershed

Rebecca Lawton¹, Deanne DiPietro¹, Laurel Collins², Arthur Dawson¹

¹Sonoma Ecology Center, ²Watershed Sciences

Applying the Watershed Assessment Framework (WAF) to the Napa River Watershed

Napa County Conservation, Development and Planning Department, UC Davis, Napa County Resource Conservation District, Sonoma Ecology Center, and Oregon State University

Bay-Friendly Landscaping Program

City of Napa, Napa County, Napa County Resource Conservation District, Napa County Stormwater Pollution Prevention Program

Butts Creek Watershed Trash Clean up: Sponsored by the Pope Valley Watershed Council

Tosha Comendant and Darlene Marler

Pope Valley Watershed Council

CLSI Habitat Restoration Projects in the Napa River Watershed

Nelia White

California Land Stewardship Institute

Community Stewardship in the Scott Creek Watershed

Frances Knapczyk¹ and Margret Smetana²

¹Napa County Resource Conservation District, ²Napa Valley Can Do

Demonstrating Road Improvements in the Napa River Basin

Shannon Butler¹, Bill Birmingham¹, Tara Zuroweste¹, Danny Hagans¹, Frances Knapczyk², Leigh Sharp²

¹Pacific Watershed Associates, ²Napa County Resource Conservation District

Dry Creek – Removal of a Fish Barrier & A Restoration

Carolyn M. Jones¹ and Leigh Sharp²

¹USDA Natural Resources Conservation Service, ²Napa County Resource Conservation District

Evaluating Habitat Restoration Success at the River Reach Scale Rutherford Reach Restoration Monitoring, Napa River

Gretchen Hayes¹, Rick Thomasser², Jeremy Sarrow², Jonathon Koehler³

¹Tessera Sciences, ²Napa County Flood Control & Water Conservation District, ³Napa County Resource Conservation District

Fish Friendly Farming Environmental Certification Program

Laurel Marcus

California Land Stewardship Institute

Huichica Creek Sustainable Agriculture Demonstration Vineyard

Napa County Resource Conservation District

Lake Berryessa Volunteers Habitat Restoration

Carol Kunze

Berryessa Trails and Conservation

Mason's *Lilaeopsis*: Ten Years Monitoring a Meta-population on the Napa River

Megan Keever¹, Peggy L. Fiedler¹, Jeremy Sarrow²

¹Stillwater Sciences, ²Napa County Flood Control & Water Conservation District

Napa County-wide Stormwater Pollution Prevention Program

Napa County Flood Control and Water Conservation District and Napa County Resource Conservation District

Napa County Wildlife Conservation Commission

Napa Green Certified Land and Winery

Napa Valley Vintners

Napa River Steelhead and Salmon Monitoring Program

Jonathan Koehler

Napa County Resource Conservation District

Napa River Watershed Fish Barrier Inventory

Jonathan Koehler and Paul Blank

Napa County Resource Conservation District

NRCS in Napa County Watersheds

Rita K. Steiner, Carolyn M. Jones, Kelly A. Gin, Chip S. Bouril

USDA Natural Resources Conservation Service

Preserve, Restore and Enjoy the Moore Creek Watershed

Napa County Regional Park and Open Space District

Restoration on Suscol and Sheehy Creeks

Darcy Aston and Dave Martin

Napa Sanitation District

Restoring 1,200 feet of stream channel by removing several sediment sources from a tributary to Scotts Creek

Bill Birmingham¹, Tara Zuroweste¹, Eileen Weppner¹, Danny Hagans¹, Frances

Knapczyk², Leigh Sharp²

¹Pacific Watershed Associates, ²Napa County Resource Conservation District

Selby Creek Streambank Restoration and Riparian Enhancement Project

BioEngineering Associates, Inc.

Streamflow Monitoring Program

Paul Blank

Napa County Resource Conservation District

Student and Landowner Education and Watershed Stewardship (SLEWS) Program in Napa

Napa County Resource Conservation District and Center for Land-Based Learning

Suisun Creek Watershed Program

Darcie Luce

California Land Stewardship Institute

Suscol Creek Collaborative Partnership & Restoration Project

Institute for Conservation Advocacy Research & Education

The Land Trust of Napa County

Water for Fish and Farms

Paul Blank, Frances Knapczyk, Jonathan Koehler, Bob Zlomke Napa County Resource Conservation District

Watershed Scorecard for the Napa River and Sonoma Creek Watersheds

Caitlin Cornwall¹, Deanne DiPietro¹, Chris Farrar², Rainer Hoenicke³, Frances Knapczyk⁴, Rebecca Lawton¹, Lisa Micheli¹, Kat Ridolfi³, Peter Vorster⁵, Alex Young¹, Bob Zlomke⁴
¹Sonoma Ecology Center; ²United States Geological Survey; ³San Francisco Estuary Institute; ⁴Napa County Resource Conservation District; ⁵The Bay Institute

Directory of Participants

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