

Groundwater Sustainability Plan Advisory Committee

6/30/20

Staff and Consultant Biographies

Napa County Planning Building and Environmental Services Department

David Morrison

A planner for 30 years, David began his career at Fresno County, before moving on to work at Tulare and Yolo Counties. He has been at Napa County since 2014, where he serves as the Director of the Planning, Building, and Environmental Services (PBES) Department. His career has consistently focused on protecting farmland and open space, which was also the subject of this thesis.

His efforts have been recognized by the Governor's Economic and Environmental Leadership Awards, the American Planning Association, the California County Planning Commissioners' Association, and the Sacramento Area Council of Governments.

David has lectured at UC-Davis, Sonoma State, Napa Valley College, and Napa High School, and has presented before several state associations, including the California Climate Change Conference. He recently served as advisor on the Santa Clara Valley Agricultural Plan. Previously, he was on the Board of Directors for the Cache Creek Conservancy, and served on the Woodland Flood Control Task Force, as well as the Advisory Committee for the Putah and Cache Creek Ecotoxicity Study.

David did his undergraduate work in art, economics, and anthropology at CSU-Fresno, where he also obtained his master's degree in City and Regional Planning. He and his family live in Napa.

Jeff Sharp

Jeff is a Principal Planner with Napa County. He has worked in the Planning, Building and Environmental Services Department, as well as the Department of Public Works, and has over 19 years County service. Most of Jeff's work has been focused on long-range planning, natural resource protection and management, watershed planning and restoration, and community education. Jeff has assisted with the research, drafting and implementation of various County ordinances, policies and procedures, including updates to the County Conservation Regulations and the County General Plan. He has supported various County committees, such as the General Plan Steering Committee and Groundwater Resources Advisory Committee, and is currently the staff liaison for the Watershed Information and Conservation Council. Jeff is the primary staff for the Napa County Groundwater Sustainability Agency and assists with the management and implementation of the County's Groundwater Monitoring Program.

Jeff holds undergraduate degree in Economics, as well as Environmental Studies and Planning from Sonoma State University, where he studied third world development and sustainability. He also has a graduate degree in Agricultural and Resource Economics from Oregon State University, with a minor in Water Resources Management. Jeff and family have lived in Napa since 2001.

Lashun Fuller

Lashun Fuller is the Administrative Secretary II for Napa County Planning, Building, and Environmental Services Department. Lashun has worked for the County for 5 years now, and is the Supervisor for the Planning, Building, and Environmental Services Department Administrative team. Currently, Lashun is the Clerk for the Planning Commission, Airport Land Use Commission, Parks and Open Space District, Zoning Administrators Meetings, and now the newly formed Ground Water Sustainability Plan Action Committee.

Alexandria Quackenbush

Alexandria is an Office Assistant II with Napa County. She has worked for the Planning, Building & Environmental Services Department for a little over 2 years. She is one of the Acting Clerks for the Planning Commission, Airport Land Use Commission, Zoning Administrator, and the Regional Park & Open Space District.

Cesselea Thepkaisone

Cesselea is a Senior Office Assistant and has been with the County of Napa – Planning, Building and Environmental Services Department for over two years. She will be providing Acting Clerk assistance for the GSP Advisory Committee. She is one of the Acting Clerks for the Planning Commission, Airport Land Use Commission, Zoning Administrator, and the Regional Park & Open Space District.

Luhdorff and Scalmanini, Consulting Engineers https://lsce.com/

Vicki Kretsinger Grabert,

Vicki Kretsinger Grabert (LSCE President) is an established leader in statewide groundwater policy and invited by DWR to be a member of the Practitioner Advisory Panel since 2015, providing input on the development of the GSP Regulations and SGMA implementation. She is a member of DWR's Flood-MAR (Managed Aquifer Recharge) Groundwater Committee (specifically the Groundwater Quality Subcommittee). In 2017, Vicki provided input on the Berkeley Law/UC Water paper on Navigating Groundwater and Surface Water Interactions Under the Sustainable Groundwater Management Act. In 2018, she reviewed and contributed to the Berkeley Law/UC Water paper Recharge Net Metering to Enhance Groundwater Sustainability. In 2019, she reviewed and contributed to the Stanford Water in the West report, A Guide to Water Quality Requirements under the Sustainable Groundwater Management Act. In October 2019, Vicki received an Alumni Award of Distinction from the UC Davis College of Agricultural and Environmental Sciences. She was nominated by Dr. Graham Fogg, hydrogeology professor, with nomination support from Dr. Thomas Harter (groundwater hydrology professor), and Steve Phillips (USGS hydrologist). She was the founding President of the Groundwater Resources Association of California (1992), a Board member for 23 years, and is an Emeritus Director. She has been involved in Napa County groundwater resources studies, monitoring, management, and sustainability planning since 2009.

Nick Watterson

Nick Watterson has over 20 years of experience studying surface and groundwater hydrology. His experience includes quantification of groundwater supply and aquifer storage capacity; characterization of aquifer and well mechanics, well design, well rehabilitation program design and implementation; evaluation of groundwater-surface water interactions; and hydrologic modeling in varied hydrogeologic settings of California and Colorado. He has extensive experience with the acquisition, analysis, and display of geospatial data across variable spatial extents and data complexity. His recent work involves evaluation of groundwater conditions in agricultural areas and providing technical support for local entities during implementation of the Sustainable Groundwater Management Act (SGMA).

Nick has been an integral technical team member supporting the development of Groundwater Sustainability Plans (GSPs) in eight groundwater subbasins, including the completion of two GSPs for critically overdrafted subbasins. Nick's work on Napa Valley water resources includes an evaluation of historical groundwater conditions and update of the hydrogeologic conceptualization completed in 2013. Nick currently serves as Technical Project Manager supporting groundwater management in Napa County, including development of the Napa Valley Subbasin GSP. His responsibilities include coordinating the involvement of many of LSCE's 40 technical staff to meet project deadlines and objectives.

Nick Newcomb

Nick Newcomb has nine years of professional experience in hydrogeology and numerical modeling. He has a background in hydrogeologic conceptualization, water supply assessments and stream-aquifer interaction. He has diverse modeling experience throughout California that has included studies analyzing pumping induced impact on groundwater-surface water interaction, groundwater overdraft, local and regional scale solute transport and subsidence. He has extensive experience in developing and applying integrated hydrologic models to evaluate the impact of landscape and climate on surface and groundwater hydrology using MODFLOW One-Water.

Recently, Nick has led and supported numerical modeling used to provide technical support for Groundwater Sustainability Plans in several Central Valley groundwater subbasins. As part of these efforts, he worked closely with MODFLOW One-Water developers at the USGS to provide feedback on performance, real-world implementation and bug reporting. Nick has been working closely with Randy Hanson from One-Water Consulting on the development of the Napa Valley Integrated Hydrologic Model (NVIHM). This effort has included the synthesis and integration of diverse sources of data including subsurface geology, land use, water supply, and surface hydrology and climate derived from the USGS Basin Characterization Model (BCM) that was developed as a statewide watershed modeling platform.

Reid Bryson

Reid has fourteen years of professional experience in watershed and groundwater hydrology in Northern California. His experience includes analyses of groundwater and surface water interactions, groundwater supply evaluations, and supporting the development of local water resources policies. His past experience includes implementing cooperative projects to monitor water quality and streamflow in a North Coast watershed to identify site-specific thresholds for salmonid survival.

Reid has supported Napa County's groundwater program since 2012 through analyses of surface water-groundwater interconnections, hydrologic model development, and water budget analyses. He has assisted the County with the expansion and refinement of its groundwater monitoring network, including coordination of the new monitoring well installation in 2014. He used analytical modeling techniques to support revisions to the County's Water Availability Analysis procedure for permitting new uses of groundwater. His recent work has included updated mapping of groundwater dependent ecosystems (GDEs) in Napa Valley and remote sensing analyses of water use by GDEs, consistent with Best Management Practices published by the Department of Water Resources and state and federal natural resources agencies. Reid holds a MS in Hydrologic Sciences from UC Davis and a BS in Environmental Science and Geographic Information Systems from Samford University.

Gabby Obkirchner

Gabby Obkirchner is a recent water management and hydrological sciences graduate with a background in hydrogeology, water quality, and GIS applications. Her duties in support of the Napa County Groundwater Sustainability Agency include analyzing groundwater level data, collecting groundwater/surface water levels, preparing reports and technical memorandums, and assisting with the development of an integrated hydrologic flow model for Napa Valley Subbasin.

Ms. Obkirchner's professional assignments have included: assisted in calculating water use by groundwater dependent ecosystems using satellite-derived datasets for Napa Valley; analyzed groundwater level data in Napa Valley to determine yearly change in groundwater storage; analyzed runoff and groundwater recharge from the USGS Basin Characterization Model as part of a groundwater availability analysis in Lake County; and regularly collects field data in Napa Valley to support on-going monitoring of surface water-groundwater interactions.

Her broader experience includes groundwater/surface water sampling and monitoring, groundwater flow modeling, GIS analysis and mapping, and geologic mapping.

Randall Hanson (sub consultant), President/Hydrologist, One-Water Hydrologic, LLC, San Diego, CA

Randy Hanson is an alumnus of New Mexico Tech Alumni (BS in Math & BS in Geology, 1976) and the University of Arizona (MS in Hydrology, 1987). Randy Hanson was a lead USGS research hydrologist for over 38 years developing hydrologic methods, modeling methods development, and water-supply analysis of regional watersheds nationally and internationally. In 2018, he started One-Water Hydrologic to help scientists and engineers use the new version of the MODFLOW hydrologic model platform called One-Water. Randy helped lead and develop One-Water and is a co-author of One-Water Version 2

published in April 2020 by the USGS, One-Water Hydrologic Flow Model: A MODFLOW Based Conjunctive-Use Simulation Software Techniques and Methods 6-A60. This innovative code provides simulation and analysis of conjunctive use of water to help assess food and water-security in the context of modern water management programs including SGMA. He also has experience analyzing climate change/variability for sustainability and adaptation using One-Water with linkages to global climate models and the USGS HydroClimate Toolkit, which he also led development of. Both of these tools are being used to develop the integrated hydrologic model and Groundwater Sustainability Plan for the Napa Valley Subbasin.

CONCUR Inc., https://www.concurinc.com/

Scott McCreary, CONCUR Inc.

Dr. Scott McCreary, Managing Principal of the Bay Area-based firm CONCUR Inc., is an environmental policy analyst and facilitator. His particular expertise is in managing science-intensive resource planning issues. He has facilitated dozens of collaborative planning efforts in water resources, marine resources, biodiversity conservation, energy efficiency and helped parties reach and implement firm, lasting agreements.

Water resources projects include foundational work on Ecosystem Restoration, Water Use Efficiency and Water Measurement for the CALFED Bay-Delta Program, and projects with the Santa Clara Valley Water District, the San Diego County Water Authority, and water districts in the Sacramento-San Joaquin Valley. Before forming CONCUR, Scott held positions at NOAA, California's Coastal Commission and Coastal Conservancy. He has published extensively on collaborative planning, protected-area designation and joint fact-finding. He has taught graduate-level courses on environmental planning, negotiation, and climate-change mitigation and adaptation at UC Berkeley, UC San Diego and Vermont Law School.

Scott holds a Ph.D. from MIT in Urban and Regional Planning, an MS in Environmental Planning from UC Berkeley, and a B.A. in Biology and Environmental Planning from UC Santa Cruz. A graduate of Napa High School, Scott co-founded student scholarships at Napa High and UCSC.

Meredith Cowart, Associate, CONCUR Inc.

Meredith supports the full range of CONCUR's joint fact finding, strategic planning and conflict management projects. At CONCUR, she facilitates breakout groups, writes technical reports and journal articles, conducts stakeholder assessments, and develops meeting summaries. Meredith is a skilled research analyst and an experienced rapporteur, adept at developing concise meeting summaries with rapid turnaround to support ongoing collaborative planning efforts.

Meredith teamed with Scott McCreary and Robert Twiss on a major review of desalination technologies for the California Coastal Commission, and based on this work she co-authored a chapter on The California Coastal Commission/Poseidon Joint Fact- Finding Process in Joint Fact-Finding in Urban

Planning and Environmental Dispute Resolution. She and Scott McCreary co-facilitate meetings for the California Energy Efficiency Coordinating Council. Her other projects have covered forest and public land planning, air quality, and environmental justice and public health issues. Meredith co-develops and co-leads CONCUR's negotiation, facilitation and partnership building training courses for Universities, agencies, and other colleagues.

Meredith earned her Master's degree from the Yale School of Forestry and Environmental Studies (2011), focusing on soil science and carbon cycling. She holds a BA from Wesleyan University in Government (focus on Development and Climate Change Policy).

Robert Twiss, CONCUR Inc.

Bob is a consulting environmental planner and policy analyst integrating scientific information and stakeholder commentary in natural-resource plans and decisions.

He holds an MS and PhD from the University of Michigan's School of Natural Resources, and after research with the US Forest Service, became Professor of Environmental Planning at UC Berkeley's College of Environmental Design. He has served as a consultant to agencies at all levels of government in the US, foreign governments, and the United Nations.

He teamed with CONCUR in the Poseidon/CA Coastal Commission desalination plan permit review and the Headwaters Forest Independent Scientific Review Panel for the North Coast Regional Board.

Earlier work includes land-unit mapping and analysis for the UC Santa Cruz Campus, and geomorphicunit mapping and analysis for Nicasio Valley zoning. He developed land capability mapping and regulations for the Lake Tahoe Basin and still serves as a consultant and expert witness for the California AG at trial in Federal and State Court.

Bob has served as Chair of the CALFED Ecosystem Restoration Science Board, Chair of the California Mining and Geology Board, Chair of CA/Tahoe Regional Planning Agency, and as a member of the US EPA Science Advisory Board.



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Committee Member Biographies

Connor Bennett

I am a 5th generation Napa resident who was born, raised, educated, and now returned to work in this fantastic county we've all come to serve. I spent 4 years at the University of California Davis, studying Environmental Science and working environmental jobs with Caltrans, US Forests Service, and the California Department of Fish and Wildlife. As an undergrad, I also worked researching the differences in content and enforcement between state and federal environmental public policies. I am and always have been passionate about a wide variety of environmental issues, and am proud to have spent the past year assisting Trinchero Family Estates with their groundwater associated compliance and sustainability goals as an Environmental Specialist.

Michelle Benvenuto

Born in San Francisco and a graduate of UC Berkeley with a BA in Architecture, Michelle had a successful career as an architect (license granted 1994), including proficiency in LEED design (certified 2009). She excelled at managing complex projects from start to finish relocating to Hong Kong, Australia and Dallas before moving to Napa in 2002. In order to connect and give back to the community, she served as a Planning Commissioner for the City of Napa for 7 years. Her planning commission experience, community involvement, emphasis on communication, and ability to collaborate led to her current position at Winegrowers. In 2017, she enhanced her business knowledge by completing her wine executive MBA at Sonoma State.

As Winegrowers' Executive Director, she focuses on environmental, land use and regulatory issues that uphold Winegrowers vision to maintain and sustain the thriving wine growing community at the heart of Napa Valley, while protecting the land that is influenced by it. Winegrowers provides a collaborative and educational approach that unites Napa county in support and protection of our wine community and precious land.

Garrett Buckland

Garrett Buckland grew up raising cattle and growing grapes in the Napa Valley. While running a vineyard management company, working as a consulting viticulturist and winemaker; he has been involved in every aspect of farming ultra-premium winegrapes for decades. He received his B.S. in Viticulture and Enology from the University of California at Davis. Garrett is a Partner and viticultural consultant with Premiere Viticultural Services, which oversees technical operations of nearly 3,000 acres of the world's finest vineyards.

Past president and 9-year Board member of the Napa Valley Grapegrowers (NVG); Past President, Napa Valley Viticultural Technical Group; Past Conference chair of Napa Valley Vit Fair, Napa Wine and grape Expo, ROOTSTOCK, and Association of Applied IPM ecologists; Past member services chair of NVG; developed content for over 250 events focused on advancing sustainable vineyard practices; Developed a proprietary web-based ET based irrigation scheduler, and viticultural database for the viticulture industry; Developed and advanced the "big drink" irrigation strategy; reducing supplemental water use in vineyards; Numerous speaking engagements on topics such as: water use efficiency, decision making tools and irrigation technology, sustainable vineyard development, adaptation of vineyards to a diverse climate, and topics on sustainable best practices for high end viticulture; and Developed and authored the NVG "growing conditions report" an annual in-depth look at climatic conditions for each growing season and its effect on viticulture in Napa County.

Mike Dooley

I am honored to represent Environmental Users of Ground Water on Napa's GSPAC. As a concerned outdoorsman I highly value a sustainable ecosystem, where groundwater is a key component. Although my wife and I relocated to Napa from the South Bay four years ago, my in laws continue to farm a 20 acre parcel in Calistoga that has been in the family for 100+ years, originally in prunes but since 1974 in Cab. As a whitewater rafter, kayaker, backcountry ski patroller, hiker and longtime Sierra Club member, I value a sustainable environment to pass on to future generations. My educational and professional experience (BS Chemical Engineering, MBA, Solar Executive for 15+ years, UCD short course on Groundwater Management) will allow me to contribute to this Board. I look forward to working with other board members, consultants and staff to create a sustainable ground water plan for Napa County.

Harvest Duhig

Affiliation: Steering Committee member, Coalition Napa Valley.

Education: Bachelor's of Science Degree from the University of California at Davis. Where I majored in Viticulture and Enology, along with studies in soil and hydrology.

Experience: I reside within the County of Napa, am reliant on the aquifer system for well water, and have two decades experience developing water supplies within the AW. I have a keen understanding of our watersheds, the localized shallow bearing water zones within the County, and the historical use of impounded water systems.

I look forward to collaborating, and continuing Napa Valley's Ground-Water sustainability.

Joy Eldredge

Joy joined the City of Napa in 2006. She has responsible charge for the City's municipal potable water system which includes water resource planning as well as the protection, operation and maintenance of water supplies from Lake Hennessey and Milliken Watersheds and associated Reservoirs, Dams, treatment and distribution facilities.

Prior to working for a public entity she was a consultant with Levine Fricke/LFR, Inc., for over a decade drilling groundwater wells, monitoring and cleaning up contaminated groundwater and soils at sites that included military bases and private company manufacturing facilities.

Joy also worked at the Aberdeen Proving Ground, Maryland, America's original chemical warfare production facility as an environmental engineer designing and constructing specialized water treatment systems and in-situ cleanup techniques for the remediation of soils and groundwater at hazardous waste sites.

She served in the Peace Corps and built concrete roof catchment water tanks in Kenya, East Africa from 1995-1998 and holds a BS in Civil Engineering (1992) and a Master's in Business from Bucknell University

Geoff Ellsworth

Elected as a St. Helena City Council Member: November 2016 to 2018. Elected as Mayor: November 2018. Term Expires: November 2020.

Geoff Ellsworth was raised in St. Helena, attended local schools and worked with his parents here at The Complete Winemaker, a winery supply company. He has pursued a career as a freelance artist and musician for 30 years based in St. Helena and Los Angeles, traveling extensively through the United States before being elected to the St. Helena City Council in 2016 and as Mayor in 2018.

He serves on numerous City and County boards and committees and is strongly committed to community water security, quality of life and environmental issues, financial oversight and cross-jurisdictional dialogue.

In addition to serving on the City Council, Mayor Ellsworth represents the City of St. Helena on a number of regional and county-wide boards and commissions.

John Ferons

John Ferons is serving as the municipal agency representative for the Town of Yountville on the GSPAC. He is a Registered Civil Engineer with 30 years of practical experience in both the public and private sectors. His tenure includes working for three private consulting firms performing classic engineering, land development, and environmental restoration as well as eight years in St. Helena Public Works, three years in Napa Public Works, and now serving the Town of Yountville Public Works. In those roles in the public sector in the Napa Valley he has become very familiar with the water, groundwater, and recycled wastewater infrastructure and regulatory environment of the 6 public agencies delivering water and collecting wastewater here in the Valley. Additionally, John participated in the prior GRAC effort and is now an active representative in those same agency's Drought Contingency Planning effort.

Dave Ficeli

Dave Ficeli has lived in Napa for several years and worked in the wine industry for most of the last two decades. He has worked for several large and small wine companies, in both corporate roles and

entrepreneurial roles spanning marketing, strategy, sales to production, general management and leadership. Most recently, Dave ran Production for Jackson Family Wines' Napa County and Carneros facilities including a large Napa Green certified facility and the most water-efficient JFW winery. He currently runs his family's boutique wine company and vineyard. Additionally, Dave is working with the County, NSD, and his neighbors to bring greater access to Napa's recycled water program for better access to agricultural water for landscaping and farming to help preserve residential water in the water-challenged area. He is dedicated to working towards pragmatic, sustainable approaches to water conservation. Having moved to Napa from the Midwest, he grew up surrounded by an abundance of water. Not until moving West was he enlightened to the real challenges of drought and the importance of conservation and planning. Dave lives with his wife Christi and two children in the Coombsville area. Dave has a B.A. from University of Michigan and an MBA from Vanderbilt University.

Eric Fitz

At a young age I recognized the growing need in the world for people to solve environmental problems and decided to pursue a degree in Environmental Engineering at the University of New Hampshire. I spent the next several year working as an engineer for an environmental consulting firm with large industrial clients located all across the country. After obtaining my Professional Engineers license, a former colleague recruited me to the Napa Valley wine industry in 2015. From 2015-2019, I was the Environmental Engineer with Treasury Wine Estates and supported all of the company's California wineries with environmental compliance and projects related to well water treatment systems, water conservation, wastewater treatment and re-use, renewable energy, energy efficiency, waste diversion, and sustainability. Currently, I am the Engineering and Environmental Manager for Rombauer Vineyards. In addition to running the environmental compliance and sustainability programs, I am the operator for a large wastewater treatment system that discharges to Napa Sanitation. I live in Calistoga and on the weekends you will most likely find me cycling the back roads and trails throughout the upper valley.

Alan Galbraith

Education: Harvard College (1963); University of Michigan Law School (1966)

Legal Career: Associate-in-Law, UC Berkeley Law School (1966-67); Research Clerk, Justice Stanley Mosk, California Supreme Court (1967-68); Law practice, Williams & Connolly LLP (1968-2007).

In trial practice I worked with experts in many fields. One of my patent cases dealt with open flow channel water measurement. I spent much time with able reservoir engineers. (My experience here would serve me well with Napa water matters over the past ten years.)

City of St. Helena and County Government Positions: St. Helena: Saint Helena Planning Commission (2009-2013); General Plan Update Steering Committee (2009-10)*; Safe Yield Committee (2010-11)*; Mayor (2014-18)*

Napa County: Member, Groundwater Resources Advisory Committee (2011-14)*; Director, Napa Valley Transportation Authority (2014-18); Director, Flood Control and Conservation District (2014-18)*; Chair, Grand Jury (2013-14)

*Significant focus on water matters

Family Napa County Groundwater Wells: St. Helena home - Napa County Well No. 169 (a CASGEM well), Coombsville ranch - Napa County Well No. 92 (a CASGEM well).

Summary: My involvement in City and County water matters includes authorship of two significant water reports (which included groundwater discussion) for St. Helena.

David Graves

I was born and raised in the East Bay, and graduated from the University of California, Santa Cruz in 1975, with a degree in Biology. I attended graduate school at the University of Chicago to pursue an advanced degree in ecology and evolution but my budding interest in wine drew me to study enology and viticulture at UC Davis.

My late friend and colleague Richard Ward and I founded Saintsbury Winery in region in 1981, and moved it to the Carneros region in 1983. The winery is a customer of the Napa Sanitation District's recycled water service, and our well is part of the state's CASGEM monitoring network. I am recently retired from Saintsbury.

I served as a Napa County Planning Commissioner from 1999 to 2006, and was one of the original members of the Watershed Information and Conversation Center, and now serve as a public member of the body, just ending my term as chair. I have been a board member and board president of the Land Trust of Napa County. I was a member of the Groundwater Resource Advisory Committee.

I have lived in the city of Napa since 1981, and live with my wife in Old Town.

Mike Hackett

I have lived in Napa since 1978 with my wife of 50 years and raised two children who still reside here. I was an airline pilot for nearly 30 years and ran a choose and cut Christmas Tree farm on Partrick Rd for two decades. We moved to Angwin 20 years ago and I became interested in environmental activism through my association with Volker Eisele; we worked together on issues related to Save Rural Angwin.

Near the end of his life, Volker said, "Mike, we protected the Ag Preserve nearly 50 years ago, but now we need to save the Ag Watershed." Out of that came my realization that our hillside forests and woodlands are of maximum importance to the survival of our shared water supply. I remain Chairman of Save Rural Angwin where we successfully fought off the College's housing development plans and am on the Steering Committee of Napa Vision 2050 and co-authored the nearly-successful Measure C in 2018. This Initiative was sponsored by the Growers/Vintners for Responsible Agriculture, where I remain spokesman.

Lester Hardy

Lester Hardy was born and raised in San Francisco, where he graduated from Lowell High School. He received his B.A. in Politics from U.C. Santa Cruz.

Lester was elected to the St. Helena City Council in April 1990, entered Stanford Law School in 1992, continued to serve on the City Council until the end of his term in 1994, and began practicing law in December, 1995.

In 2018, with both children away at college, Lester returned to public service, and is currently Chair of the St. Helena Planning Commission.

A chance conversation with Stu Smith in the St. Helena Post Office in 2002 prompted Lester to seek information related to the interaction between surface flows and groundwater. A subsequent conversation with Michael Napolitano directed his attention to the Sax Report on the legal classification of groundwater in California, a subject he has studied ever since.

Other than spending time his wife, Janet, and their two children, Malcolm and Amelia, Lester's favorite activities involve sailing on San Francisco Bay, riding motorcycles, listening to music, and all things having to do with Iceland. He does not believe anyone has ever had too many books. It cannot be said that Janet agrees.

Jim Lincoln

Education: St Helena Schools; UC Davis BS. '86 Ag Science & Mgmt.

Occupation: Vineyard Mgr. Beckstoffer Vineyards, Carneros Ranches

Associations: Napa County Farm Bureau (NCFB) '90-'20 Director & past President, Chair of the Natural Resources Committee; Napa County Resource Conservation District (RCD) '15-present, Director & Current president: WICC Board of Directors '09-'13; Los Carneros Water District. Director, Project brought recycled water to Carneros.

My agricultural career and association with NCFB and now Napa RCD have brought many water issues to my attention; as water is the life blood of any rural county. Ground water, surface water, recycled water and also erosion control, I have been fortunate to participate at the county level for all of these discussions. I look forward to continuing the ongoing discussions of sustainability for our precious natural resources.

Amber ManFree

Dr. Amber Manfree is a Geographer who studies landscape change, with a focus on the San Francisco Estuary system. She is presently a private consultant whose cartographic work is featured in numerous publications. She formerly served as a researcher with the UC Davis Center for Watershed Sciences studying California water issues, environmental disaster response, and environmental policy and planning. Dr. Manfree is a co-author of books on Floodplain Ecology and Suisun Marsh. Additional interests include climate change, historical ecology, and aquatic ecology. Community participation in

Napa County includes service on the Protect Rural Napa Board from 2012 through 2019 and volunteering with Napa County Resource Conservation District as an environmental educator.

Beth Milliken

In 1987, Beth Novak Milliken joined her mother, Mary Novak, becoming the first second-generation family member to become involved in guiding Spottswoode. Since then, she has played a key role in establishing Spottswoode as one of Napa Valley's most iconic and respected vineyards and wineries. She has also quietly built a reputation as a leader in Napa Valley, advocating on behalf of the wine industry, and the social and environmental causes she deeply cares about.

Beth holds a degree in economics from UCLA, and prior to joining her mother at Spottswoode she worked at a San Francisco-based wine brokerage. During her now 33 years with Spottswoode, she has played an integral role in its evolution. On the environmental side, this includes overseeing the vineyard's CCOF organic certification in 1992; restoring Spring Creek, which defines the southern boundary of the estate vineyard, in 2000; and joining 1% for the Planet in 2007. In terms of the Napa Valley wine community, Beth has been deeply engaged – in 1998, she was elected the youngest president of the Napa Valley Vintners, becoming the first woman to hold the position, and after a 20-year hiatus to raise her two sons, she is again a member of its Board.

Peter Nissen

Grew up and attended public schools in Pomona, CA. Attended UC Santa Barbara 1968-1970, San Diego State University 1970-1973. Graduated with a BS in Business Administration from SDSU.

Married to Anne Nissen. Two daughters. Started own vineyard management business in February of 1978. Nissen Vineyard Services Inc. farms over 1100 acres in the North Coast, primarily in Napa County and supplies labor to other farming operations. Licensed Pest Control Operator, Farm Labor Contractor and General Engineering Contractor.

Affiliated with the following organizations: Current board member since 1997 and past president of the St. Helena High School's Athletic Association; Current board member since 2012 and past president of the California Farm Labor Contractors Association; Current board member representing Napa County Farm Bureau on the Napa Valley Vine Trail since 2011; Past elected Farm Services Agency committee member for Napa and Solano Counties from 1994-2004; Current board member since 1998 and past president of Napa County Farm Bureau. Involved with all NCFB committees during the past twenty-two years; and honored as Napa County Farm Bureau "Agriculturist of the Year" in 2019.

Live and own a vineyard in Calistoga that relies on groundwater for domestic and agricultural use. Has represented Napa County Farm Bureau on groundwater issues involving agriculture, The Carneros Inn and Napa Pipe. Farm multiple properties in the Napa Valley Subbasin with groundwater wells. Has represented agriculture employer and industry issues by testifying and lobbying at the state and county levels for the past fifteen years.

Derek Rayner

Derek has been with the City of Calistoga for almost ten years and is currently serving as the Public Works Director/City Engineer. He is a licensed professional civil engineer, and certified in both LEED Green Associate, and as a Qualified Storm Water Developer. Derek has more than twenty-three years of both public and private sector experience. Previously, Mr. Rayner was a principal in a private consulting engineering firm who provided design and surveying services. Derek has extensive background in water resources and particularly with the city's water and wastewater treatment plants, stormwater, and recycle systems that include pump stations, dam and reservoir operations. He currently oversees the capital improvement program, budgets, grant acquisition/administration, regulatory compliance, planning and development activities, and personnel issues. Derek's had significant success obtaining grant funding, more than \$26 million dollars for the City for a wide variety of both water/wastewater/recycle and transportation projects. He works closely with internal city departments (finance, planning/building, fire, police, and parks and recreation), and has excellent relationships with outside regulatory agencies.

Chris Sauer

I went to college in San Diego where I also taught high school for a year. Shortly after getting married, my wife and I joined the Peace Corps and spent 2 ½ years in Western Samoa where I taught science and English. Upon returning to California I was hired by the Calif. Conservation Corps and started one of the first native plant nurseries in the state. Located in a series of abandoned greenhouses at Napa State Hospital we raised and installed plants for restoration projects throughout the state. I was also in charge of 4 CCC crews which worked environmental projects throughout the North Bay.

After 30 yrs. I retired from the state and worked as an environmental contractor for 10 years with the Napa County Flood District. With the District I surveyed creeks and the river for bank stabilization issues, oversaw invasive plant problems as well as stabilization projects.

I served on the Napa City Tree Commission for 25 years and on the City Park/Tree Commission for 2 years. I've frequently volunteered with the local RCD on several plant installation and river cleanup projects. I currently help with the local Sierra Club.

Patrick Tokar

Patrick Tokar is currently the viticulturist for Rombauer Vineyards. He graduated from Cal Poly Pomona in 1995 with a degree in Agricultural Business Management. After receiving his Masters of Science in Plant Protection and Pest Management from UC Davis, he and his wife moved to Napa in 2002. Working for a vineyard management company for almost a decade gave him the appreciation for water conservation in the vineyards through better understanding of vine water needs, timing and soil holding capacity. He and his family are reliant on well water for their residence in the Millican-Sarco-Tulucay groundwater subarea, an area designated as water deficient. Patrick is currently on the Napa County Farm Bureau Board of Directors.

Susanne Von Rosenberg

Susanne von Rosenberg moved to Napa in 2005, and has been involved with environmental issues in Napa since 2007. She was the president of GULP (Groundwater Under Local Protection), served on the Groundwater Resources Advisory Committee, and is an active member of Stop Syar Expansion. Susanne has also been part of the Napa County Master Gardeners since 2006, where she teaches environmentally-friendly gardening methods to Napa County home gardeners. She is a graduate of MIT with a B.S. in chemical engineering and over 34 years of experience in environmental consulting and related fields. Her experience includes managing, reviewing, and preparing EIS/Rs for major infrastructure and habitat restoration projects, restoration plans, and environmental permits, as well as assisting with implementation and monitoring of restoration projects. She is also experienced with site investigation and remediation (investigation and management of contaminated soil and groundwater). Her projects in Napa County include the Napa Sonoma Marshes restoration project and the Napa Plant site restoration project, both with the California Department of Fish and Wildlife. Susanne is or has been involved with multiple other North Bay restoration projects, and coordinated the Napa Sonoma Marshes Restoration Group. She is a registered Chemical Engineer in the State of California.

Paul Warnock

Paul is a licensed Civil Engineer with 20 years of experience in the A&E design field, and holds a BS degree in Civil & Environmental Engineering from UC Davis. He currently works as a Project Manager for RSA+ in Napa, providing civil infrastructure development (water, sewer, stormwater, etc.) for local projects such as low-income housing, estate homes, wineries, resort hotels, warehouses, commercial office buildings, and public works projects.

As a long-time Napa resident and father of a native Napan, Paul recognizes that sustainability and environmental protections are critical components to any development project. He earned credentials as a LEED Accredited Professional in 2008, Certified Erosion Sediment and Stormwater Inspector in 2013, and Storm Water Pollution Prevention Plan Developer in 2014. He has worked throughout his career to ensure that his projects meet the needs of his clients, and incorporate Best Management Practices utilizing current green building technology and environmentally friendly systems.

Paul joined this committee with the stated goal to learn more about sustainable groundwater use within the Napa Valley Sub-Basin, carefully evaluate groundwater data, and to help develop a robust Groundwater Sustainability Plan that ensures long-term protection and availability of this natural resource for future generations.

Johnnie White

Johnnie White is a 6th generation Napa County farmer and direct descendant of John Wooden from whom Wooden Valley is named. He is President of the Napa County Farm Bureau representing over 1,000 members and is operations manager for Pina Vineyard Management, farming over 1,000 acres for 75 vineyards in Napa County. His focus of work has been planting and replanting vineyards for growers in Napa, Sonoma, Solano and Lake counties. Water resources are a first consideration when planting or

replanting a vineyard. Over the years Johnnie has developed many innovative solutions to properly manage this valuable resource while providing viable agriculture. Johnnie lives in St. Helena with his wife Kendall and 3 children.

Robert Zlomke

Bob Zlomke represents Friends of the Napa River on the GSPAC. He joined the Friends Board last year and has recently become President.

Mr. Zlomke was Senior Hydrologist and District Manager of Napa County Resource Conservation District, where he was employed from 1995 to 2009. He is a graduate of Rice University in Houston, Texas and holds an M.S. degree in civil and environmental engineering from the University of California at Davis, where his master's project concerned water quality modeling in the Sacramento-San Joaquin Delta. His technical work at Napa County RCD focused on an unsteady flow model of the Napa River and selected tributaries, rainfall/runoff modeling and the measurement of streamflows and sediment loads in Napa River tributaries.

After 2009 he practiced for some years as an independent hydrologic consultant, while also renewing his custom furniture business Zlomke Furniture, which he has carried on since 1980 and was a full-time occupation for 12 years before engineering school entered his life. He has lived in Napa with his wife Evelyn since 1987.