



CARPE DIEM WEST

Our water – Finding solutions together

Healthy Headwaters Fifth Leadership Convening

Tempe, Arizona - April 27, 2012

Participant List 4-25-12



Mike Anderson

*Senior Resources Analyst, The Wilderness Society
Healthy Headwaters Working Group*

Michael Anderson is the Senior Resource Analyst for The Wilderness Society and is one of the nation's leading experts in national forest law and policy. He has an undergraduate degree from Yale University and a law degree from the University of Oregon. Mike has worked for The Wilderness Society since 1985 and has been stationed in The Society's Pacific Northwest regional office in Seattle since 1989. His responsibilities include conducting interdisciplinary research, analyzing

legislative and regulatory proposals, and coordinating The Wilderness Society's litigation activities.

Mike is also an enthusiastic participant in two award-winning collaborations – the Lakeview Stewardship Group in Oregon and the Skokomish Watershed Action Team in Washington. He is the co-author of *Land and Resource Planning in the National Forests* (Island Press 1987) and has written numerous articles, citizen's guides, and reports on national forest management and other public land issues.



Bob Berger

Program Officer, Nina Mason Pulliam Charitable Trust

Robert Berger joined the Trust in 2000. He has an extensive background in nonprofit management through his work with the American Cancer Society, the Nature Conservancy and the City of Scottsdale. Mr. Berger also worked in the private sector as the director of the Management Development Center at the University of Phoenix and through his partnership in the Center for Legal Education. Mr. Berger received a bachelor of science degree in journalism with a special emphasis in business marketing from Northern Arizona University. In his current

position, he is responsible for reviewing grant proposals, meeting with potential grantees, conducting site visits and monitoring and evaluating proposals. He also co-founded and oversees the Summer Youth Program Fund of Maricopa County. Mr. Berger is considered an "environmental" specialist, working closely with organizations on statewide issues. He also manages the Trust's web site and web-based communication on a daily basis.

**Bonnie Colby**

Professor, Department of Agriculture & Resource Economics, University of Arizona

Bonnie Colby is a professor at the University of Arizona, where she has been a faculty member since 1983 in the Departments of Resource Economics, Geography, and Hydrology and Water Resources. Her expertise includes evaluating economic tradeoffs in competing uses of water and energy, climate change adaptation, valuing unique water assets, incentive-based conservation strategies and water acquisition programs to improve supply reliability.

Dr. Colby has authored over one hundred journal articles and eight books, including *Risk And Resilience: The Economics Of Climate, Water and Energy In The Arid Southwest* (2011), *Water Markets in Theory and Practice*; *Arizona Water Policy: Management Innovations in an Urbanizing, Arid Region*; and *Negotiating Tribal Water Rights*. She has provided invited testimony on these matters to state legislatures, state and federal courts and the U.S. Congress.

Professor Colby has taught at Harvard's Kennedy School of Government, in continuing education programs for U.S. judges and in an intensive leadership training program for conservation professionals from over 30 countries. Over the past 20 years, she has developed dozens of water and habitat acquisition programs and climate change adaptation plans for cities, states, tribes, private firms and non-profit advocacy groups. In her free time, Bonnie can be found on the rivers, trails and beaches of favorite remote areas, worldwide.

**Wally Covington**

Director, Ecological Restoration Institute, Northern Arizona University

Internationally renowned for his work, Northern Arizona University Regents' Professor Wallace "Wally" Covington is leading research in worldwide forest restoration as director of the Ecological Restoration Institute (ERI). Covington's research in restoring forests has lead to decades of improved conservation techniques as well as driving a future resurgence of the timber industry. He's been studying the ecology of southwestern ponderosa pine forests since the mid-1970s when he came to NAU fresh out of Yale University's doctoral program. Currently, under Covington's leadership, the ERI is working on the Four Forest Restoration Initiative, a bold and collaborative project that seeks to restore 2.4 million acres of land in northern Arizona. Their innovative approach to forest restoration and land management has lead to new conservation and timber industry methods that will have implications for the rest of the mountain west and worldwide.

**Jad Daley**

*Climate Director, Trust for Public Land
Healthy Headwaters Working Group*

Jad Daley is the Director of TPL's Climate Conservation Program. Jad coordinates TPL's development of landscape-scale conservation initiatives targeted to climate change objectives. Jad also leads TPL's climate policy work, including as the founding co-chair of the Forest-Climate Working Group. Jad has a long history in landscape-scale land conservation. From 2000 to 2008, he led the 22-state Eastern Forest Partnership, a joint federal advocacy effort among groups from Mississippi to Maine. In parallel during that period, he helped to lead conservation efforts in the Northern Forest (2004-2008) and Highlands Region (2002-2004). In these roles he authored two pieces of enacted federal legislation, the Community Forest and Open Space Conservation Program and the Community Wood Energy Program, led lobbying efforts to enact the Highlands Conservation Act (H.R. 1964), and served as the founding Chair of the Friends of Silvio O. Conte National Fish and Wildlife Refuge. Jad is a graduate of Peddie School, Brown University, and Vermont Law School where he earned an M.S.E.L. degree summa cum laude.

**Rebecca Davidson**

Senior Water Rights Analyst, Salt River Project

Rebecca Davidson is a Senior Water Rights Analyst at Salt River Project (SRP). Rebecca works on issues associated with water policy and management, sustainable development and planning, strategic watershed initiatives, and assists on the development of partnerships and other projects that protect water resources for SRP shareholders while also promoting stream conservation activities. Prior to SRP, Rebecca worked for the Arizona Game and Fish Department for 11 years, and has experience in federal land planning, natural resource and wildlife management, environmental regulations, and endangered species biology and monitoring. Rebecca has a Bachelor of Science Degree in Environmental Science from Northern Arizona University.

**Charlie Ester**

Manager of Water Resource Operations, Salt River Project

Charlie, a 29-year veteran of SRP, is currently manager of Water Resource Operations. This group is responsible for watershed monitoring, runoff forecasting, reservoir operations planning, emergency reservoir operations, and drought preparedness. He has been in this position for 15 years. Previously, he was a hydrologist in the same division. Charlie is a 1983 Hydrology graduate of the University of Arizona.

**Don Falk**

*Associate Professor, School of Natural Resources and the Environment,
University of Arizona*

Don Falk is Associate Professor in the School of Natural Resources, University of Arizona, with joint appointments in the Laboratory of Tree-Ring Research and the Institute for the Study of Planet Earth. His research focuses on fire history, fire ecology, dendroecology, and restoration ecology, including multi-scale studies of fire as an ecological and physical phenomenon. Don is a Fellow of the AAAS, and is appointed by Governor Janet Napolitano to serve as a member of the Arizona Forest Health Council. Don was co-founder and Executive Director of the Center for Plant Conservation, originally at the Arnold Arboretum of Harvard University and now at the Missouri Botanical Garden. He served subsequently as first Executive Director of the Society for Ecological Restoration. His publications include numerous journal articles and book chapters, and three books on conservation genetics and restoration ecology, including *Foundations of Restoration Ecology*, published by Island Press in 2006. He currently serves as a member of the Editorial Board for the Island Press-SER series, *Science and Practice of Restoration Ecology*, which he helped to establish.

**John Fleck**

Science Reporter, Albuquerque Journal

John Fleck is a journalist based in Albuquerque specializing in water in the west. He's the author of *The Tree Rings' Tale*, a science book for young people about the science behind our understanding of weather, climate and water. He's currently working on a book examining the west's water problems, focused on the solution space. He's a contributing editor at Stanford's Bill Lane Center for the American West.

**Dee Frankfourth**

Associate Director of Conservation Finance, Trust for Public Land

Ms. Frankfourth joined TPL in June 2007 as the Associate National Director of Conservation Finance, working in the West. A veteran political strategist and campaign manager, Ms. Frankfourth has been involved in the development and implementation of public policy for more than 25 years at the local, state, and federal levels through the executive and legislative and political arenas. Originally from Alaska, she has designed and managed congressional and ballot measure campaigns throughout the Northwest. She has also served as communications director for the Mayor of Anchorage, Alaska Commissioner of Natural Resources, and a four-term US Senator from California.

**Gregg Garfin**

Director of Science Translation and Outreach, Institute of the Environment, University of Arizona

Gregg Garfin works to bridge the science-society interface in order to accelerate the transfer of University of Arizona environmental and climate science findings and techniques to resource managers, planners, policy makers, and other decision-makers in the region. This involves fostering dialogues between scientists and stakeholders, garnering stakeholder input to research agendas and activities, developing sustained interactions between University of Arizona environmental scientists, environmental professionals, decision-makers and the public, disseminating research results and products, and conducting workshops on topics of interest to Southwest decision-makers. He is a co-investigator, and former Project Manager, with the Climate Assessment for the Southwest (CLIMAS) project, a NOAA-funded integrated assessment designed to identify and evaluate climate impacts on human and natural systems in the Southwest. Dr. Garfin is trained as a climatologist, dendroclimatologist and geographer. His research interests include climate variability and change, drought, climate change adaptation, decision support, and the effective delivery of science to decision makers.

**Sterling Grogan**

Senior Consultant, Carpe Diem West

Sterling Grogan is an ecologist, water manager, and agriculturalist with over 40 years of experience in the U.S., Latin America, and Central Asia. His projects have included land reclamation, industrial ecology, and wildlife protection in Brazil, Chile, New Mexico and Venezuela, landscape ecology in Costa Rica, water management and agricultural extension in New Mexico and Tajikistan, and research and teaching in ecology and environmental policy in the U.S. As a teacher, consultant and lobbyist in the fields of energy, mining, agriculture and environmental policy, he has worked with universities, private industry, the World Conservation Union, regional water management agencies, and local, State, Tribal, Federal and foreign governments. He is a co-author of the New Mexico Watershed Protection Plan, managed the middle Rio Grande riparian forest, led the effort to develop New Mexico's first Alternative Energy Plan, chaired New Mexico's largest air quality agency, served on Federal recovery teams for endangered fish and birds, and is a Director of the Quivira Coalition. Sterling is a private pilot, a returned Peace Corps Volunteer (Brazil), and a veteran of combat in Viet Nam.

**Jennifer Harrison-Cox**

Managing Director, Earth Economics

Jennifer Harrison-Cox, Managing Director at Earth Economics, brings over 18 years of technical project and people management expertise to the applied field of ecological economics. Jennifer received her bachelor's degree in political economy and intercultural communications from The Evergreen State College and has completed many hours of graduate level leadership training with LIOS Institute at Saybrook University. In 2006, Jennifer co-founded Partnership for Rural King County, a dynamic grassroots organization focused on the long-term sustainability and viability of agriculture, forestry and biodiversity in rural eastern King County, Washington. After a successful 20-year career in software engineering and operations, Jennifer joined Earth Economics in 2009 as a volunteer to work on systemic sustainability challenges. Six months later, the Earth Economics Board of Directors offered Jennifer the role of Managing Director. Under the partnered leadership of Jennifer and Executive Director David Batker, Earth Economics tripled in staff and budget in just under 3 years and has realized some amazing accomplishments including inclusion of ecosystem service valuation in benefit-cost analysis and multi-criteria decision making at several local and federal agencies, conceptual development of a 21st century natural capital institution the "Watershed Investment District", the design and prototype of a web-based database of ecosystem service values (Project SERVES), the release of the book *What's the Economy for, Anyway?*, and witnessed many fully funded restoration and conservation projects in the US and abroad.

**Holly Hartmann**

*Director, Arid Lands Information Center, University of Arizona/CLIMAS
Healthy Headwaters Working Group*

Dr. Holly Hartmann is Director of the Arid Lands Information Center at the University of Arizona (UA). She is a co-investigator within the Climate Assessment for the Southwest (CLIMAS) and leads the scenario development team within the UA Science and Technology Center for the Sustainability of Semi-Arid Hydrology and Riparian Areas (SAHRA). Holly is a national leader in research related to the development of decision support tools for climate, water, and other resource management applications, especially linking research with the needs of decision makers and moving research into agency operations. Current research projects include quantitative verification of climate and hydrologic forecasts; improving communication of probabilistic forecasts and uncertainty; incorporating complex integrated models and climate change within a scenario planning framework; and decision support tool development. Holly has been a Carpe Diem West team member since 2008 and serves as Director of the Carpe Diem West Academy.

**Polly Hays**

*Water Program Manager, USFS Rocky Mountain Region
Healthy Headwaters Working Group*

As the regional Water Program Manager for the Rocky Mountain Region of the Forest Service, Polly has program oversight responsibility across a broad spectrum of wildland water resource management issues, including: water quality, water rights, and watershed protection. She is actively involved with current agency efforts to understand and formulate adaptation responses to climate change, and is a major contributor to the 2010 publication *Water, Climate Change, and Forests: Watershed Stewardship for a Changing Climate* (PNW-GTR-812). Polly holds a B.A. in Anthropology from Wesleyan University and a M.S. in Geosciences from the University of Arizona. She has over 2 decades of experience in resource management including 20 years with the Forest Service in Colorado and California, and 6 years with the National Park Service in Arizona, Utah, and Colorado.

**Scott Hendrick**

Senior Policy Specialist, National Conference of State Legislatures

Scott Hendrick is a Senior Policy Specialist with the Environment, Energy and Transportation program at the National Conference of State Legislatures in Denver, Colorado. His legislative research and analysis focuses on nuclear energy, environment and natural resources issues. Scott has authored a number of publications and presented testimony before state legislatures on energy and environmental policy. He also staffs NCSL's Environment Standing Committee. Before joining NCSL, Scott worked on federal food programs as a legislative associate for the Food Research and Action Center in Washington, D.C. Scott received his Juris Doctor from the University of Colorado School of Law in 2004 and his bachelor's degree from Middlebury College in Vermont in 1998.

**Brad Hill**

Utilities Director, City of Flagstaff

Brad has over 24 years of professional hydrological experience, 14 in municipal government. He is currently employed with the City of Flagstaff as the Utilities Director and was previously their Water Resources Manager. Prior experience includes managing the water resources program for the City of Peoria; managing a groundwater computer modeling group at the U.S. EPA's Kerr Research Laboratory in Oklahoma; hydrologist for the Arizona Department of Water Resources and with the national engineering firm CH2M Hill. His education includes a M.S. Hydrology - University of Idaho, B.S. Geology Northern Arizona University and a Registered Professional Geologist licensed in Arizona.

**Jim Holway**

Director, Joint Venture, Sonoran Institute & Lincoln Institute of Land Policy

Jim directs Western Lands and Communities, a joint venture of the Lincoln Institute of Land Policy and Sonoran Institute. This program supports research, tool development, demonstration projects, education, and publications focused on managing growth, sustaining regions, protecting resources, and empowering communities throughout the intermountain west. Additionally, Jim serves on the Board of the Central Arizona Water Conservation District to which he was elected in November 2010. Prior to joining the Sonoran Institute in 2009, Jim directed the

Sustainability Partnership in the Global Institute of Sustainability and taught as a Professor of Practice in the School of Sustainability and in the School of Sustainable Engineering and the Built Environment at Arizona State University. He also served as the ASU coordinator for the Arizona Water Institute. Previously, as Assistant Director of the Arizona Department of Water Resources, Jim's responsibilities included overseeing the state's Active Management Area, conservation, assured water supply, recharge, well permitting, and groundwater and surface water rights programs. Jim's principal areas of research, teaching, and practice include western water policy, linkages between water and growth, and land use management. Jim earned his bachelor's degree in political science from Cornell University and both a master's and Ph.D. in regional planning from the University of North Carolina.

**Cynthia Koehler**

California Water Legislative Director, Environmental Defense Fund

Cynthia Koehler is the California Water Legislative Director for the Environmental Defense Fund and has been a leader in California water policy for two decades. Koehler is the Board President of the Marin Municipal Water District, where she has been a director since 2004. In 2011, she received the Marin Conservation League's Ted Wellman Water Award for her advocacy on behalf of water conservation and ecosystem preservation. She also serves on the board of

POWER (Public Officials for Water and Environmental Reform), and has been an adjunct professor of water law at Golden Gate University School of Law and legal director for Save San Francisco Bay Association. Koehler is a graduate of the University of Oregon School of Law and a past president of the Tam Valley Elementary School PTA.

**Doug Kupel**

Natural Resources Historian, Law Department, City of Phoenix

Doug Kupel is a historian who has worked for the City of Phoenix since 1988, conducting research for environmental litigation. He is the author of *Fuel for Growth: Water and Arizona's Urban Environment*, a book about municipal water use in Arizona. He received a Ph.D. from Arizona State University and a Master's degree from the University of Arizona, both in history. Dr. Kupel is also a registered professional archaeologist.

**Aaron Lien**

Analyst, Conserve to Enhance, University of Arizona

Aaron is a Research Analyst at The University of Arizona Water Resources Research Center (WRRRC). His work focuses on the Conserve to Enhance program and other incentive-based approaches to link human water use with the environment. Prior to joining the WRRRC, Aaron managed the development of the Common Waters Fund, a payment for watershed services program designed to protect the forests of the Upper Delaware River Basin, and was a member of the team that developed the Bay Bank ecosystem marketplace for the Chesapeake

Bay region. He holds a Master of Science in Environmental Planning and Graduate Certificate in Water Policy from The University of Arizona and a Bachelor of Arts in Politics from Willamette University in Salem, OR.

**Joe Marlow**

Lead Economist, Sonoran Institute

Joe Marlow is the Sonoran Institute's land and resource economist. He serves as a spokesperson on conservation and land use economics in the West; conducts research and economic analyses; and prepares reports on research results and to explain economic trends and concepts. Joe was a faculty member at a tribal college for five years, teaching economics, mathematics, statistics and earth science. For 11 years, he was a principal in a resource economics consulting firm involved in quantitative mineral resource assessment, geographic information

system design and programming, and satellite image analysis. Other experience involved extensive project management and fieldwork in mineral, oil and gas exploration, as well as geotechnical and civil engineering. Joe holds a doctorate in mineral economics with a minor in remote sensing, a master's in mineral economics with a concentration in finance, and a bachelor's in earth science.

**Laura McCarthy**

Senior Policy Advisor, The Nature Conservancy

Laura McCarthy is Senior Policy Advisor for Fire and Forest Restoration for the Nature Conservancy. Since 2005 she has represented the Conservancy in national policy for wildland fire appropriations, fire management, forest restoration, and market-based strategies to finance restoration treatments. She provides policy support to the Conservancy's Restoring America's Forests program and assists state chapters to develop large landscape restoration projects. She is a lead organizer of the CFLR Coalition, an organization with 145 member groups who are engaged in the Collaborative Forest Landscape Restoration Program.

Laura's prior work includes more than a decade with the USDA Forest Service with assignments in Idaho, California and New England and work as a wildland firefighter, silviculturalist, ski area administrator, and forest planner. She also worked for the State Forester in New Hampshire, where she collaborated with New Hampshire Fish and Game Department to co-edit the first publication on New Hampshire's biodiversity, developed a statewide forest resources plan, and laid groundwork for the state's system of ecological reserves. After moving to the Southwest in 1996, Laura went to the Forest Trust where she worked as Development Director, Southwest Program Director and Associate Director, and facilitated the merger of the Forest Trust with the Forest Guild.

Laura's professional life was significantly altered by the Cerro Grande Fire in 2000, which burned across the valley from her home town of Santa Fe and fostered a decade long interest in fire management on public lands. Laura has earned several awards for her work, most notably the Society of American Forester's Young Forester Leadership Award in 1998 and the USDA Secretary's Honor Award in 1995. Laura's degrees are in Forestry (M.F. 1987 Yale University) and Government (B.A. 1983, Bowdoin College).

**Mike McHugh**

*Environmental Permitting Coordinator, Aurora Water
Healthy Headwaters Working Group*

Mr. McHugh is the Environmental Permitting Coordinator for Aurora Water. He currently manages permitting requirements for Aurora Water Resources Projects and watershed protection issues. He has more than 25 years of experience in environmental restoration and water resources. He is a professional geologist and holds a B.S. in geology from Fort Lewis College, an M.P.A in management from the University of Colorado Graduate School of Public Affairs, and an M.S. in Mineral Resources Ecology from the Colorado School of Mines.

He has served on the board of Directors for the Colorado Section of the American Water Resources Association as Past President and completed three terms on the City of Arvada's Planning Commission. He is a member of the Geologic Society of America, American Water Resources Association, Colorado Groundwater Association and Rotary International where he was the Centennial President of the Arvada Rotary Club.

Amy Mignella

Senior Assistant General Counsel, Office of General Counsel, Gila River Indian Community

Prior to becoming a lawyer Ms. Mignella obtained degrees in chemistry and environmental engineering. Applying that education, she performed research for the microprocessor and hazardous waste industries and also worked as an environmental consultant. Her legal work has emphasized environmental, natural resource management, water, energy, utility and a broad spectrum of tribal matters including many years as in-house and outside counsel to the White Mountain Apache Tribe and as a consultant to the Arizona Tribal Energy Association, an organization she helped form. Ms. Mignella has worked for the Arizona General Stream Adjudication, as an administrative law judge and, while employed with an Arizona non-profit law office, was responsible for convening and guiding working groups on environmental and health issues under NAFTA. Ms. Mignella is currently inside counsel to the Gila River Indian Community on water, power and environmental matters.

**Mary Mitsos**

*Vice President, National Forest Foundation
Healthy Headwaters Working Group*

Mary Mitsos joined the National Forest Foundation in 2001 and serves as Vice President, Conservation Programs. Prior to that, Mary was Director of Community-Based Forest Stewardship at the Pinchot Institute for Conservation where she provided leadership for the program in sustainable forestry and sustaining rural communities. She brings expertise in a range of topics relating to the protection and sustainable management of forest ecosystems and sustainable development. Her specialized interests are in collaborative stewardship, and contracting mechanisms on public forestlands, conservation-based development and strengthening the working relationship between local communities and forestland managers. She is currently a member of the Managing Partner team that provides assistance to non-profits that are participating in The Ford Foundation Community-Based Forestry Demonstration Program. With more than two decades of experience in the natural resources field, Mary holds a Bachelor of Arts in International Business from the University of Colorado-Denver. In addition, she earned a Master of Science in Natural Resources, and a Masters of Arts in Applied Economics, from the University of Michigan, where she complete her Masters project on Sustainable Management of Common Property Resources. She served on the steering committee of the Seventh American Forest Congress Communities Committee, as a Board member of the National Network of Forest Practitioners and serves on the advisory board for the College of Forestry and Conservation at the University of Montana.

**Karl Morgenstern**

*Drinking Water Source Protection Coordinator, Eugene Water & Electric Board
Healthy Headwaters Working Group*

Karl is the drinking water source protection coordinator for the Eugene Water & Electric Board (EWEB). He has spent the last eleven years at EWEB developing and implementing a drinking water source protection program to safeguard Eugene's sole source of drinking water - the McKenzie River. This program includes assessing and understanding the various threats to drinking water and working with numerous partners and watershed stakeholders to implement actions that mitigate for these threats. Some elements of the source protection program that Karl has implemented to date includes a nationally recognized watershed emergency response system, comprehensive monitoring program, high school outdoor basin classroom, nonpoint source of pollution assessment and mitigation program and watershed climate change impact research. Karl is currently working to implement a Voluntary Incentives Program that rewards good land stewardship in the riparian area with payments in return for long-term protection agreements.

Prior to EWEB, Karl spent 10 years at the Oregon Department of Environmental Quality (DEQ) and seven years as an environmental consultant managing high priority cleanups at abandoned hazardous waste sites and responding to hazardous material spills. While at DEQ he helped develop the time-critical removal program and abandoned mines program. He received a bachelors degree in geography from the University of Kansas.

Karl is on the Board of Directors of the East Lane Forest Protection Association; serves as Vice President on the Board of Directors for Cascade Pacific Resource Conservation & Development; and is President for the Oregon Association of Resource Conservation & Development Councils.

**Kiyomi Morino**

Senior Researcher, University of Arizona

Kiyomi Morino obtained her PhD degree from the University of Arizona, Department of Geography and Regional Development in 2008. Since graduating, she has primarily focused on research related to integrating science and policy, particularly with respect to western water issues. She works with colleagues in academia and the water resources management sector to develop and assess water supply scenarios using paleodata (tree-ring based streamflow reconstructions) and water planning models. In late 2010, Kiyomi joined the

Carpe Diem West Academy to help develop a web-based tool compendium designed to assist water resource managers in planning for climate change. She is also the Senior Researcher for the Carpe Diem West Academy.

**John Munderloh**

Water Resource Manager, Water Resource Manager

John Munderloh is the Water Resources Manager for the Town of Prescott Valley where he works to secure long-term water resources for the community and the region. John has 25 years of professional-level experience working on water-related issues including state and local governments, mining, municipal, irrigation, and power utilities in Arizona and other western states. In these various capacities, John has participated in numerous water rights analyses for Court proceedings, capital project design & development, and developed hydrologic analyses and water portfolios. John is an Agricultural Engineer, a native of Prescott, and grew up ranching near Skull Valley.

**Corbin Newman**

Regional Forester, Southwest Region, USFS

A native of Oklahoma—where his dad ranched on the side—Corbin Newman's roots are in rural America. He graduated with a Bachelor of Science degree in forest and range management from Colorado State University in 1977 and became a certified silviculturist. While a student, he held a work study position on the Poudre Ranger District of the Arapaho and Roosevelt National Forests.

Newman has held numerous positions at all levels of the Forest Service—in both the eastern and western parts of the country—during his 25-year career. In 1984 he was the assistant ranger for resources on the Clear Creek Ranger District, Arapaho and Roosevelt National Forests. In 1986 he became the assistant timber sales officer on the Black Hills National Forest and later the forest public affairs officer. Moving back east in 1989, he became the district ranger of the Allegheny National Forest in Pennsylvania. Then in 1992 he moved to the position of appeals and litigation coordinator for the Eastern Region in Milwaukee, Wisconsin, and later became special assistant to the regional forester.

The year 1997 brought Newman to the forest supervisor position on the Huron Manistee National Forest in Cadillac, Michigan. And from there, in 1999, he became the National Budget Coordinator for the National Forest System, Director of the National Fire Plan and then director of Forest Management for the Forest Service in Washington, DC.

**Steve Olson**

Senior Water Policy Advisor, The Nature Conservancy - Arizona

Steve Olson is the Senior Water Policy Advisor for the Arizona Chapter of The Nature Conservancy. From July 2005 through December 2011, Steve was Executive Director of the Arizona Municipal Water Users Association, a non-profit organization established to represent and assist municipalities in the Phoenix metropolitan area in areas of water resource management and development of urban water policy. Prior to working with AMWUA, Steve was the Government Relations Director of the City of Scottsdale from 1999 to 2005 and worked in various planning and legislative relations roles with the Arizona Department of Water Resources from 1985 to 1999. Steve has a Masters Degree in Political Science from Colorado State University and a Bachelors Degree with Majors in Botany and Political Science from DePauw University in Greencastle, Indiana.

Cheryl Pailzote

Director of Water Resources, White Mountain Apache Tribe



Penny Pew

District Director, Office of Congressman Gosar

A fifth generation Arizona native, Pew resides in St. Johns. With nearly twenty years experience as a manager, Pew worked as District Director for former Congressman Renzi and most recently as Constituent Services Representative for Congressman Gohmert. She is a graduate of the University of Arizona's Southwest Leadership for Public Policy Administration and has served as a Certified Election Officer for the

Arizona Secretary of State.

Brad Piehl

Partner/Hydrologist, JW Associates



Catherine Porter

Senior Consultant, Carpe Diem West

Catherine Porter has been involved with Carpe Diem West since 2000, serving as both an advisor and a program manger. For eight years Catherine was Executive Director of the Consultative Group on Biological Diversity, and, since 2002, has been chair of the board of Global Greengrants Fund. Catherine brings critical thinking to issues of collaboration, ecosystem protection and services, and the complicated world of NGOs finding their way among funders.



Luther Propst

*Executive Director, Sonoran Institute
Board Member, Carpe Diem West*

Luther Propst founded and directs the Sonoran Institute, with ten offices around the Intermountain West and Northwest Mexico. The Sonoran Institute's mission is to inspire and enable community decisions and public policies that respect the land and people of the West. The Institute focuses on conserving public lands, promoting "smart growth," better managing water, reforming local and state energy and climate change policies - the core issues that define how the West is

growing and changing.

Mr. Propst has co-authored three books, including *Balancing Nature and Commerce in Gateway Communities*, published by Island Press, and frequently speaks and writes on Western conservation, land use, economic development, and state trust lands. In addition, he serves on the boards of the National Conservation System Foundation, High Country News, Lincoln Center for Applied Ethics at Arizona State University, the Murie Center, and the Rincon Institute.

**Yvonne Reinink**

Senior Engineer, Salt River Project

Yvonne Reinink has worked in the Water Resource Operations department of the Salt River Project for 22 years. She is responsible for long-term reservoir operations planning studies and reservoir emergency operations preparedness. Yvonne earned her bachelor degree in Land & Water Management from the College of Forestry and Land & Water Management in the Netherlands in 1976. She worked for two years at the International Institute for Land Reclamation & Improvement (ILRI) in Wageningen, the Netherlands, before working as a (Dutch) Peace Corps volunteer in a drinking water supply project in West Africa. In 1983 she came to the United States on a research assistantship with ASU, paid for by the US Water Conservation Laboratory. She finished her master's degree in civil engineering at ASU in 1985. After 4.5 years of consulting, Yvonne accepted a position at SRP in Water Resource Operations. In 1993 she earned her MBA from the University of Phoenix. Yvonne is a registered Civil Engineer in the State of Arizona.

**Dave Richins**

Director, Sun Corridor Legacy Program, Sonoran Institute

Dave is the Sun Corridor Legacy Program Director based in Phoenix, Arizona and also coordinates Sonoran Institute's State Policy work. Prior to joining the Sonoran Institute, he was the Executive Director and Founder of the West Mesa Community Development Corporation in Mesa, Arizona where he worked with neighbors, community leaders, business leaders, and other stakeholders to revitalize his neighborhood. Dave attended American River College and Prescott College, and earned his B.A. in Sustainable Community Development. In addition to serving on the Mesa City Council representing District One, he is the current Secretary/Treasurer of the Arizona Municipal Water Users Association and a member of the National League of Cities Community and Economic Development Steering Committee. Recently, Dave was appointed to the Arizona Power Plant and Line Siting Committee and the Rural Development Advisory Council.

**Dave Roberts**

Senior Director, Water Resource Management, Salt River Project

David Roberts is the Manager of the Water Resource Management Department at the Salt River Project. The Department is responsible for several SRP functions including water supply protection (Water Rights & Contracts), water supply planning and reservoir operations (Water Resource Operations), water measurement (Water Measurement), groundwater resource management (Groundwater Resources and Geohydrology) and water supply development and acquisitions (Water Storage & Supply). David has been a member of a number of planning and advisory committees for rural watershed groups, the Bureau of Reclamation, and the Arizona Department of Water Resources. He is a member of the Arizona Municipal Utilities Leadership Institute and the Arizona Hydrological Society. Prior to SRP, David worked for the Arizona Department of Water Resources and the Bureau of Reclamation. David has a Bachelor of Science Degree in Wildlife Biology from Arizona State University.

**Bruce Roll***Director, Watershed Management, Clean Water Services*

Bruce Roll joined the Clean Water Institute in 2007 as the Watershed Management Department Director, responsible for overseeing water resources infrastructure, watershed ecology, and policy and marketplace development projects. Prior to joining Clean Water Services, Roll served as the assistant director of public works for Whatcom County Government in Bellingham, Washington where he oversaw surface and stormwater management, and water resources protection programs. Roll holds a Doctorate in Environmental Sciences and a double Master's degree in

Public Health and Microbiology. He has over 20 years' experience protecting public health and the environment.

**Marcus Selig***Arizona Forest Conservation Program Manager, Grand Canyon Trust*

Marcus is the Arizona Forest Conservation Program Manager for Grand Canyon Trust and current co-chair of the Four Forest Restoration Initiative. Prior to joining Grand Canyon Trust in 2010, Marcus practiced environmental law in Washington, DC, where he focused on climate change-related issues and the use of financial incentives for developing renewable energy and energy efficiency projects. Before attending law school, Marcus was a research scientist at Purdue University, where he studied natural forest regeneration, forest plantation

establishment, and the effects of forest management on carbon sequestration. Marcus earned a M.S. in Forest Biology and B.S. in Forest Resources Management from Virginia Tech, and a J.D. from Indiana University School of Law.

**John Shepard***Senior Advisor, Sonoran Institute
Healthy Headwaters Working Group*

John Shepard is a Senior Adviser at the Sonoran Institute, responsible for ensuring that the mission and vision of the organization are realized through long-range strategic planning and effective program development, implementation, and evaluation. John is currently leading the Institute's efforts to appropriately site utility-scale solar projects in Arizona and more effectively integrate local land-use policies and water management in the Colorado River basin. In prior years, he launched the Institute's training programs on community land-use planning for rural

western county commissioners and partnership building for public land managers and gateway communities. He also established Building from the Best of Tucson, a project that promotes development consistent with Tucson's building traditions and appropriate for a desert community. Before joining the Institute, John worked for seven years in resource development at The Wilderness Society. John has been a Carpe Diem West core team member since 2008.

Tim Skarupa*Senior Hydrologist, Salt River Project*

**Randi Spivak**

*Vice President, Geos Institute
Healthy Headwaters Working Group*

Randi leads the Geos Institute's efforts to educate lawmakers in Washington, D.C. office and directs all work related to governmental affairs for the organization. Prior to joining the Geos Institute, she served as Board President and then Executive Director of the American Lands Alliance. Randi comes to the Geos Institute with extensive experience in national campaigns, science-based public interest advocacy, and marketing. She has been a national leader in efforts to encourage appropriate management of natural resources and to protect National Forest roadless areas and protect old-growth forests. Randi serves as the Geos Institute's primary negotiator in the effort to work with the timber industry to develop collaborative legislation for Oregon forests east of the Cascades. Randi studied at the School of Communications at Boston University, and received a B.A. in Advertising and Marketing.

**Abe Springer**

Professor, Department of Geology, Northern Arizona University

Abe Springer is Professor of Hydrogeology and Past Director of the School of Earth Sciences and Environmental Sustainability at Northern Arizona. In the Fall of 2007, he was the Fulbright Visiting Chair of Water and Environment at the University of Lethbridge, Alberta, Canada studying the ecohydrology of springs of Western Canada. He grew up on a small grain and sheep farm in rural Central Ohio. He received his B.A. in Geology from the College of Wooster and his M.S. and Ph.D. in hydrogeology from The Ohio State University. Since arriving at NAU in 1994, he has become an avid trail runner and model railroader. Dr. Springer and his students have studied over 600 springs the past 10 years in the Western North America and beyond. With colleagues, he has developed a new, comprehensive spring classification system which is featured in the book *Aridland Springs in North America: Ecology and Conservation*.

**Wes Swaffar**

Graduate Student, M.S. Environmental Science and Policy, Northern Arizona University

Wes Swaffar began his academic career in conservation at the University of Montana, where he graduated with a B.S. in Resource Conservation. As a break from academia, Wes worked for the United States Forest Service in western Montana. After a few years in the field, Wes resumed his academic career as a Masters student at Northern Arizona University, where he has been exploring the feasibility of Payment for Watershed Services as a funding mechanism for forest restoration efforts in the western U.S. Following his upcoming graduation, Wes will be exploring potential career opportunities in natural resource conservation in the northern Rockies.

**Kristiana Teige**

Project Administrator, Carpe Diem West

Kristiana Teige facilitates the day-to-day functions of Carpe Diem West's programs and manages the organization's special events. Prior to Carpe Diem West, Kristiana was the District Clerk for the Montara Water and Sanitary District in Northern California. She holds a Master of Environmental Science and Management from the Bren School at the University of California, Santa Barbara and a B.A. in Economics from Wellesley College. At the Bren School, Kristiana specialized in Water Resources Management, and completed a group thesis project exploring watershed management strategies for the US BLM to reduce mercury pollution in a tributary of the Sacramento River.

**Ann Walker**

Forest & Rangeland Health Program Director, Western Governors Association

Ann joined WGA in 2008 and is the Program Director for Forest and Rangeland Health. In that capacity she works to encourage the use of small diameter wood to improve forest management and restoration. She has served on the Board of Directors for the International Association of Wildland Fire and represented the Oregon Governor's office on WGA's Forest Health Advisory Committee from 2005-2008. Ann has more than 30 years of experience in fire prevention and suppression, policy development, and coordination of community and forestry programs. Over her career, she worked for the Oregon Department of Forestry, Oregon Office of the Attorney General, the U.S. Department of Interior's Bureau of Land Management and the U.S. Forest Service..

**Buzz Walker**

Water Superintendent & Asst. Public Works Director, Town of Payson Water Department

Buzz Walker began his career with then-privately-owned Payson water system in 1972, and was named Water Superintendent in 1976. He founded Payson Water Department in 1980 after its purchase by the municipality and led design and construction of Payson's modern water system – 43 wells, 11 storage tanks, and 9 booster stations. Buzz has conducted groundwater exploration throughout Payson and on Tonto National Forest and served as Project Manager for the CAP allocation trade to Scottsdale for water trust fund, Green Valley Park wastewater reclamation project, Aero Drive groundwater contamination remediation WQARF site, and the CC Cragin Project. He is a member of AWWA, AzWater, NAMWUA, and the Governor's Statewide Water Advisory Group and has served as acting Town Manager, Public Works Director, and Special Projects Director for the Town of Payson.

**Gerry Walker**

Statewide Planning Section and Tribal Liaison, Arizona Department of Water Resources

Gerry Walker is employed as a Water Resources Manager for the Arizona Department of Water Resources (ADWR) in the Water Planning Division. Her primary area of responsibility is statewide strategic planning and she also serves as the agency's tribal liaison. Ms. Walker has been with ADWR for 19 years and in that time has served as the area director for the Prescott AMA and as technical administrator for the Arizona Water Banking Authority, in addition to working in the surface water and adjudications divisions. Ms. Walker holds degrees in Biology, Forestry and Environmental Design and Planning.

**Tony Willardson**

Executive Director, Western States Water Council

Tony Willardson was named as the Executive Director of the Western States Water Council in 2009. Affiliated with the Western Governors' Association, WSWC members are appointed by the governors of 18 states. Formerly the Deputy Director, he has been with the Council for over 30 years. He holds a BA in political science from Brigham Young University, and a MS in public administration from the University of Utah; and is a member of the National Honor Society for Public Affairs and Administration (Pi Alpha Alpha). He oversees publication of a weekly newsletter, Western States Water, and is the author of numerous articles and reports covering a wide range of water resource issues, including water project financing and cost sharing, ground water management and recharge, water conservation, drought, and interregional water transfers. He is also one of the principal author's of the WGA's 2006 Report, Water Needs and Strategies for a Sustainable Future and 2008 Next Steps Report and 2010 Update.

**Kimery Wiltshire**

CEO & Director, Carpe Diem West

Kimery Wiltshire is CEO & Director of Carpe Diem West, a non-profit that engages western water leaders to collaboratively develop innovative solutions for the American West's growing water challenges. For over twenty years, Kimery's work has focused on strategic, solution-oriented partnerships that address environmental, economic and social challenges.

She is the former Director of the Kenney Foundation and has led a number of innovative projects including the Diversity Network Project, Resources for Community Collaboration, the Sustainable Business Ratings System and the 100,000 girl-strong Girl Scouts Save the Bay program.

A bred, born and raised daughter of the American West, Kimery has to be reminded that occasionally important things happen east of the 100th meridian.

**Rebecca Wolfe**

*National Forest Committee, Washington State Chapter, Sierra Club
Healthy Headwaters Working Group*

Native of North Carolina. Educated at UNC, Duke, and Gonzaga University (Ph.D., 1997 in Leadership Studies). Currently working on collaborative teams to restore watersheds in Washington state. Volunteer for several organizations focused on protection of people and the planet: United Nations Association, Sierra Club, Alliance for Democracy, and the City of Edmonds, WA. Rebecca is a writer, consultant, and teacher who has led a number of successful efforts to protect and defend “the commons,” especially water. Successes include stopping four water bottling plants in Washington State, a Liquefied Natural Gas (LNG) facility on the Columbia River, and achieving “Voter Verified Paper Ballots” for Snohomish County, WA where she lives.

**Anne Zimmermann**

Director of Watershed, Fish, Wildlife, Air & Rare Plants, US Forest Service, USDA

Anne Zimmermann was appointed Director of Watershed, Fish, Wildlife, Air and Rare Plants for the Forest Service in 2005. Zimmermann began career with the Forest Service in 1979 as a wildlife biologist on the George Washington National Forest in Virginia. She held biologist positions as well as other natural resource positions on the Kisatchie National Forest in Louisiana and the National Forests in Alabama. On Montana’s Lolo National Forest, she served as a deputy district ranger and later as a district ranger. She then returned to the southeast as deputy forest supervisor and then forest supervisor of the Cherokee National Forest in Tennessee. Zimmermann also served for several years on a Type I incident command team out of the southern region--one of the agency’s top firefighting teams. A Virginia native, she holds a bachelor’s in forestry and wildlife from Virginia Tech and a master’s in wildlife ecology from Purdue University.