

GRAND CANYON TRUST

Grand Canyon Trust Science Advisory Council

Dr. H. Ronald Pulliam: University of Georgia, Athens, Georgia

Regents Professor, Institute of Ecology. Former Director, National Biological Service, DOI. Past President, Ecological Society of America. Dr. Pulliam's primary research area is maintenance of biological diversity. He also is interested in how human behavior is molded by environmental circumstances and how human behavior controls environmental change. He has been the author or co-author of more than 70 articles and papers on these and other subjects.

Dr. Jayne Belnap: US Geological Survey, Biological Resources Division, Moab, Utah

Soil scientist and ecologist. Dr. Belnap's current research is focused on biological soil crusts, invasive annual grasses, effects of grazing on sediment and runoff production, methods for predicting the species composition of biological soil crusts in different areas of the Mojave desert and the effect of off-road vehicles on dust production from different soil types. She is also assisting the National Park Service in developing protocols for indicators of ecosystem health. These indicators include soil stability, soil fertility, vegetation cover and composition, and soil trailing. Over the past 20 years, she has published 105 peer-reviewed articles and books on soil crusts. She is recognized by scientists around the globe as one of world's authorities on soil crusts.

Dr. Mark Miller: US Geological Survey, Biological Resources Division, Moab, Utah

Research ecologist. Dr. Miller was an ecologist for the Bureau of Land Management at Grand Staircase-Escalante National Monument, Utah, where he initiated a broad-scale effort to assess the condition of rangeland ecosystems across the 2-million acre Monument. In 2002 he accepted a position as program ecologist with the National Park Service's Northern Colorado Plateau Inventory & Monitoring Network, where he led the process by which 16 NPS units of the Colorado Plateau region identified "vital signs" for monitoring the condition of park ecosystems. In addition to his work with the NPS, he works closely with the BLM, The Nature Conservancy, and the U.S.D.A. Natural Resources Conservation Service (NRCS) in issues pertaining to the assessment, monitoring, and management of rangeland ecosystems on the Colorado Plateau.

Dr. Tom Stohlgren: Colorado State University & USGS, Fort Collins, Colorado

USGS Invasive Species Branch Chief; Natural Resources Ecology Laboratory, CSU; Science Director, National Institute of Invasive Species Science. Dr. Stohlgren is a leading plant ecologist who focuses on community ecology, restoration, grazing, and exotic species. He has worked extensively in the Grand Staircase Escalante National Monument, nationally and has been involved in the Valles Grande National Preserve.

Dr. Tom Sisk: Northern Arizona University, Flagstaff, Arizona

Associate Professor, Center for Environmental Sciences and Education. Dr. Sisk is a conservation biologist and landscape ecologist. His work focuses on three interrelated objectives: to better understand how nature works; to interest and engage others in the challenges and societal relevance of the environmental sciences; and to help provide viable solutions to real-world problems facing land and resource managers. Public affairs committee, Ecological Society of America; Aldo Leopold Leadership Fellow; Past President, Colorado Plateau Chapter of the Society for Conservation Biology.

Dr. Thomas Whitham: Northern Arizona University, Flagstaff, Arizona

Regents Professor of Biology at NAU; Director of Merriam-Powell Center for Environmental Research. Dr. Whitham's research is focused on cottonwood riparian communities and pinyon-juniper woodlands. These studies emphasize plant-herbivore interactions and a community-level understanding of the consequences of plant genetics and environmental stress on keystone species. His teaching is focused on field ecology, which emphasizes the discovery of original problems, devising appropriate sampling methods, data collection, statistical analyses, oral presentations in national meeting format and written presentation in journal format.

Matthew Loeser: Northern Arizona University, Flagstaff, Arizona

PhD candidate. Department of Biology at NAU. Mr. Loeser has studied rangeland ecology in northern Arizona for several years, and is a well-respected voice in ongoing collaborative planning efforts in the region.