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# **Chapter 5—List of Preparers and Technical Consultants**



Chapter 5 discusses the list of preparers and technical consultants. The following is a list of contributors to this final EIS. Numerous other people have also contributed in many ways to this document. Their help is greatly appreciated.

## Interdisciplinary Team

### Air Quality

#### Ricardo Cisneros – Air Quality Specialist

Education: Ph.D. Environmental Systems/Air Quality; M.S. Public Health/Environmental Health; B.S. Environmental Health.

Experience: Ecologist, Sierra National Forest for 2 years. Ricardo has been with Forest Service as the Sierra Nevada Zone air quality specialist for 7 years.

#### Trent Procter – Air Resource Specialist

Education: B.S. in Natural Resource Management, California Polytechnic State University, San Luis Obispo.

Experience: Trent is currently a province air quality specialist for the Forest Service. Trent provides air program management and technical assistance to six national forests in the central and southern Sierra Nevada. He has 30 years of experience with the Forest Service and has served in his present position since 1988. He has authored numerous technical papers and publications on regulatory compliance and the effects of air pollution on forest ecosystems and physical resources.

### Archaeology

#### Linn Gassaway – Cultural Resources, Tribal and Native American Interests

Education: M.A. Anthropology, San Francisco State University; B.A. Anthropology University of California, Berkeley.

Experience: Linn is currently the Giant Sequoia National Monument archaeologist and North Zone

Archaeologist for Sequoia National Forest covering Hume Lake and Western Divide Ranger Districts. She has 8 years working for the Forest Service on four forests in 4 regions. She has 7 years with the National Park Service, 1 year as an archaeologist with the Texas National Guard, and 2 years as an archaeologist for private cultural resources management companies.

### Biology

#### Jeff Cordes – Wildlife Biologist

Education: B.S. Wildlife Biology, Ohio University.

Experience: Hume Lake District wildlife biologist for the last 3 years. Jeff was a biologist for 14 years at Cape Lookout National Seashore for the National Park Service.

#### Emilie Lang – Forest Wildlife Biologist

Education: M.S. Natural Resources, Humboldt State University; B.S. Wildlife Management, Humboldt State University.

Experience: Emilie has been the Sequoia National Forest wildlife biologist for 1 year. She was a biologist with the naval base at Ventura County Point Mugu with the U.S. Navy for 6 years.

### Botany

#### Fletcher Linton – Botanical Resources and Invasive Plants<sup>(72)</sup>

Education: M.S. Soil Science emphasizing forest soil ecology, Washington State University, Pullman; B.S. Ecology and Systematic Biology, with a concentration in Plant Systematics, California Polytechnic State University, San Luis Obispo.

Experience: Fletcher is currently the forest botanist. He worked for Bryce Canyon National Park as botanist, soil scientist, and ecologist. He has worked for other national forests in Washington, Colorado, and California. He served as a natural resources volunteer with the Peace Corp in Bolivia.

72. Fletcher Linton is also responsible for the Soils and Invasive Nonnative Species specialist reports.

## Civil Rights

### Paula Stephens – Forest Civil Rights Officer

Education: Attended Porterville College, Porterville.

Experience: In January 1991, Paula transferred from Department of Health and Human Services to the Sequoia National Forest into the Forest Civil Rights Officer. She was reassigned to Human Resource Specialist position in 1997. Since 2008, she has been the Forest Civil Rights Officer for the Sequoia National Forest.

## Engineering

### Marcos Rios – Civil Engineer Trainee

Education: B.S. Civil Engineering, University of California, Irvine. Experience: Civil Engineer Trainee for 1 year on the Sequoia National Forest.

### Steven Ray – Forest Engineer

Education: B.S. General Engineering, Harvey Mudd College.

Experience: Steve has been the forest engineer for the last 2 years. Steve has 20 years of experience with the Forest Service. He has worked on three national forests in three regions.

## Economics

### Mindy Hackett – Economist

Education: B.S. Economics, B.S. Geography, Portland State University; A.S. Forest Technology, Umpqua Community College.

Experience: Mindy has been at the Pacific Southwest Regional Office as a planning specialist for 9 years. Mindy has worked for the Forest Service since 1981 and has held several positions as assistant forest planner, economic geographer, resource assistant, and statistical assistant on three national forests in Regions 5 and 6.

## Ecosystems

### James Whitfield – Ecosystem Manager

Education: B.S. Forest Management, University of Montana.

Experience: Jim has 33 years of experience with the Forest Service as a district silviculturist, recreation planner, and assistant forest recreation officer.

## Fuels

### Judy Forbes – Fuels Specialist

Education: Judy is a graduate of the University of Colorado's Technical Fire Management Program.

Experience: Judy is currently a fuels management specialist working as a subcontractor for the Sequoia National Forest. During her 32-year Forest Service career, she worked on six national forests and served in various fire management positions, including engine captain, district fire and fuels battalion chief, district fire management officer, and forest fuels specialist.

## Fire Management

### Brent Skaggs – Forest Fire Chief

Education: Brent is a graduate of the University of Colorado's Technical Fire Management Program and earned an Associate of Science Degree in Forestry.

Experience: Brent is currently the forest fire chief; previously he was the forest deputy fire management officer for the Sequoia National Forest. He was the forest fuels specialist overseeing the implementation of the prescribed fire program for the forest and the Monument. He has 26 years of experience with the Forest Service, working on suppression engines, working on and supervising suppression and fuel reduction hand crews, and serving as district fire/fuels battalion chief and forest fuels specialist.

## Geographic Information Systems

### Heidi Hosler – Forest GIS Specialist

Education: B.S. Forest Management, Humboldt State University; A.S. Natural Resources, Reedley City College.

Experience: Heidi is currently a GIS specialist on the Sequoia National Forest. She has 32 years of experience with the Forest Service, 17 years as a GIS specialist. She has worked in six national forests in Regions 5 and 6. She has been on the Sequoia National Forest for 22 years. She held seasonal positions with the California Department of Forestry, Fresno-Kings Ranger Unit and the National Park Service, Yosemite National Park, Yosemite Valley District.

### Cherie Klein – District GIS Coordinator

Education: 195 hours of ESRI-certified training, including completion of their Certificate in Data Production and Editing; 272 hours of Forest Service Regional/Forest sponsored GIS training.

Experience: Cherie is currently the GIS coordinator on the Hume Lake Ranger District of the Sequoia National Forest. She has worked for the Forest Service for 20 years in the Pacific Southwest Region, where she has done GIS work for 15 years (all with Sequoia National Forest). She has held jobs in silviculture and database management, and is now the district's GIS and GPS coordinator, and computer systems support.

## Geology

### Alan J. Gallegos – Southern Sierra Province Geologist

Education: B.S. Geology, University of Southern Colorado.

Experience: Alan is currently the geologist for the southern Sierra province (Sierra, Sequoia, and Stanislaus National Forests). Alan has worked for the Forest Service since 1980 with prior experience in central Utah and northern California. His area

of expertise is watershed analysis, with special emphasis on fluvial and mass wasting processes. He is a member of the Geologic Society of America and the Association of Engineering Geologists. He has worked on several multidisciplinary teams, including the President's Ecosystem Management Assessment Team, as well as disaster or emergency assessment teams for fire and floods.

## Hydrology

### Joshua Coulter – District Hydrologist

Education: B.S. Geology, California State University, Bakersfield; Research and Educational Center for River Studies; Wildland Hydrology, Inc.

Experience: Joshua has been the district hydrologist for 4 years on the Sequoia National Forest and SCEP hydrologist for 5 years.

### Terry Kaplan-Henry – Forest Hydrologist

Education: M.S. Geology, California State University, San Jose; B.A. Geology, Humboldt State University.

Experience: Terry is currently the forest hydrologist for the Sequoia National Forest. She has 31 years of experience with the Forest Service. Previously, she worked for the U.S. Geological Survey and taught earth science at Humboldt State University; California State University, Chico; Butte Community College; and Porterville Community College.

## Planning

### Marianne Emmendorfer – Planner, Hume Lake Ranger District

Education: M.S. Recreation Management, University of Idaho; B.S. Forest Management, Michigan Technological University.

Experience: Marianne is currently the district planner and interpreter on the Hume Lake Ranger District of the Sequoia National Forest. She has 21 years of experience with the Forest Service.

### **Annette Fredette – Team Leader, Planner**

Education: B.S. Forest Management, Northern Arizona University, Flagstaff.

Experience: Annette is currently the assistant planner for the Sequoia National Forest and the team leader for the Monument interdisciplinary team. She has 20 years of experience with the Forest Service in planning and GIS positions in Regions 5, 9, and 3; 9 years of experience with the Kern County Parks and Recreation Department; and 4 years of experience with New Mexico State Forestry.

### **Barbara Johnston – Supervisory Resource Specialist**

Education: A.A. Home Economics, College of the Sequoias.

Experience: Barbara has 39 years of experience with the Sequoia National Forest in timber sale contracts, appeals, environmental litigation, FOIA requests, special use permits, and database management.

### **Anne Thomas – Planner, Western Divide Ranger District**

Education: M.S. Human Dimensions of Ecosystem Science and Management, Utah State University; B.S. Environmental Science, Concordia University at Austin.

Experience: Anne is currently the district planner for the Western Divide Ranger District. She was the previous team leader for the Monument interdisciplinary team and worked for the Forest Service for 4 years as a seasonal employee in recreation and silviculture. She also worked as an independent contractor for Independent Resources, a Forest Service Enterprise Unit.

### **Maria T. Ulloa – Project Leader, Planner**

Education: B.S. Agronomy and Soils, Washington State University, Pullman; Botany credentials, California State University, Chico.

Experience: Maria is currently the forest planner for the Sequoia National Forest and provides management oversight for the team. She has 23

years of experience with the Forest Service and 5 years of experience with the Bureau of Land Management, Utah State Office, as Botanist for the Colorado Plateau of southeastern Utah. She has worked on the Clearwater National Forest in Idaho, Shasta-Trinity and Mendocino National Forests in northern California and Siskiyou National Forest in Oregon. She has worked on several interdisciplinary teams, including the Port-Orford-Cedar Management Plan.

## **Range**

### **Mark Stieler – Forest Range Program Manager**

Education: B.S. Natural Resources Management, California Polytechnic State University, San Luis Obispo.

Experience: Mark has been in Region 5 for 36 years and has worked the last 18 years in rangeland management. He worked in fire management for 8 years, and 10 years in Timber Management as a Sale Preparation Officer and Sale Administrator.

## **Recreation, Lands, and Minerals**

### **Mary V. Cole – Forest Landscape Architect**

Education: M.A. Landscape Architecture, California State University, Pomona; B.A. Environmental Studies, California State University, San Bernardino.

Experience: Mary has 22 years of experience with the Forest Service on three National Forests in Regions 8 and 5.

### **Nancy Ruthenbeck – Forest Recreation, Lands, and Minerals Officer**

Education: B.L.A. University of Illinois.

Experience: Nancy Ruthenbeck is currently a staff officer for the Sequoia National Forest, providing leadership for recreation, wilderness, heritage resources, land and real estate management, and minerals. She has been a staff officer on this forest for 21 years and has 23 years of experience with the Forest Service in two regions. For the

previous 12 years, she worked for the Indiana Department of Natural Resources, Division of Outdoor Recreation. For most of that time, she was an outdoor recreation planner, responsible for preparing the Statewide Comprehensive Outdoor Recreation Plan and special studies, as requested by the department or state legislature.

## Social Scientist

### Deb Whitall – Regional Social Scientist

Education: Senior Executive Fellow, Harvard Kennedy School of Government, 2009; Ph.D. Public Administration and Policy, Portland State University, 2007; B.S. Resource Planning and Interpretation, Humboldt State University 1984.

Experience: Deb is responsible for social and economic resources analyses for this Monument Plan and EIS. She has been a social scientist with the Forest Service, Pacific Southwest Region since 2008. She was a policy analyst in the Forest Service Washington Office from 2004 to 2008; a forest hydrologist on the Rogue River National Forest from 1999 to 2004; a forest monitoring and appeals coordinator on the Rogue River National Forest from 1997 to 1999; a flora and fauna planner for the Department of Natural Resources and Environment, Victoria, Australia from 1996 to 1997; forest hydrologist on the Rogue River National Forest from 1989 to 1996; a hydrologist on the Lake Tahoe Basin Management Unit from 1984 to 1989 and on the Cleveland National Forest from 1981 to 1984.

## Vegetation

### Steve Hanna – Vegetation Management specialist and Giant Sequoia Ecology

Education: Ph.D. Forest Science, Ecology, Soils and Botany, Auburn University; M.S. Forest Science, Ecology, Soils and Botany, University of Illinois; B.S. Forest Science, Soils, and Botany, University of Illinois.

Experience: Steve has been with the Forest Service for 21 years as forester, silviculturist, soil scientist, botanist, ecologist, fire ecologist, and assistant district ranger in Regions 1, 4, 5, 6, 8, and 9. He

was at the Forest Products Laboratory for 2 years. He worked with the State of Tennessee as a staff forester and nursery manager for 1 year. Steve was a forest ecosystem ecology researcher in carbon, nitrogen, and phosphorus cycling, vegetation completion, moisture stress, microbial responses, and tree growth at Mead Coated Board and Auburn University for 4 years.

## Consultants

### Klaus Barber

Education: M.B.A. University of Southern California; B.S. Forest Management, University of California, Berkeley.

Experience: Klaus Barber was the regional operational research and management science specialist until he retired in 2010. He has 42 years with the Forest Service, with time as district timber management officer, timber planner, forest land use planner, and regional biometrician. He has worked on special projects such as the Redwood Park Expansion, Gang-of-Four Spotted-Fisheries Analysis, FEMAT, Cal Owl, and the Sierra Nevada Forest Plan Amendment. He is the co-developer of the CIA, ELMO, and RELM computer models.

### Nicole R. Hill

Education: B.S. Landscape Design, South Dakota State University; B.S. Environmental Management, South Dakota State University.

Experience: Nicole has been with the Forest Service since 2003 as a professional landscape architect. Started her career on the Lolo National Forest in Montana providing landscape architecture assistance to six forests in Region 1. Nicole has experience working on scenery management system inventories, recreation opportunity spectrum inventories, recreation planning and analysis for NEPA projects, photo simulations, GIS mapping, and recreation site planning and design. She joined TEAMS in 2005.

### Hugh Safford

Education: Ph.D. Ecology, University of California, Davis; M.S. Secondary Education, San Francisco State University; B.S. Geology, Montana State University.

Experience: Hugh is a senior vegetation ecologist for the U.S. Forest Service, Pacific Southwest Region, and a research faculty associate with the Department of Environmental Science and Policy at the University of California, Davis. He manages a staff of ecologists that provide vegetation and fire ecology expertise to land management on the 18 national forests in California. His areas of professional expertise are community and landscape ecology, conservation biology, biogeography, and fire ecology. He has worked for the last 15 years studying past and future climate change, ranging from Quaternary vegetation dynamics in Brazilian rainforests, to climate-fire interactions in the Sierra Nevada of California, to assessments of the likely impacts of future climate on invasive plant species and native meso-carnivores.

of Forestry and Resource Management at the University of California, Berkeley, and 9 years as an Ecologist and Botanist with Redwood National Park.

### **Jan Spencer**

Education: Bachelor of Landscape Architecture, Utah State University; A.S., Northwest Community College.

Experience: Jan has 20 years of experience in environmental analysis, with an emphasis on scenery management in Forest Service Regions 2, 3, 4, 5, 6, 8, and 10.

### **Neil Sugihara**

Education: PhD. Wildland Resource Science, University of California, Berkeley; M.S. Biology, Humboldt State University; B.A. Botany, Humboldt State University.

Experience: Neil has been the Regional Fire Ecologist for USDA Forest Service in the Pacific Southwest Regional Office since 1995. He was the founding president of the Association of Fire Ecology (AFE) from 2000-2002, and founded the California Association for Fire Ecology. Neil is also an adjunct professor at Humboldt State University (HSU), teach a course “Fire Ecology” each year at University of California, Davis (UCD) and have developed fire ecology seminar series at HSU, UCD, and California Polytechnic University, San Luis Obispo. Previous positions include five years as an ecologist with the Forest Service covering the Sierra Sequoia, and Stanislaus National Forests, 3 years as a Research Specialist in the Department