

11 LIST OF PREPARERS

Since publication of the Draft Environmental Impact Report/Environmental Impact Statement, the following substantive changes have been made to this chapter.

- The years of experience were updated, as applicable, for all prepares included in this chapter.
- Project roles have been updated to reflect staffing changes.
- New entries have been added to reflect additional preparers.

11.1 California High-Speed Rail Authority

Project Role	Name, Credential	Qualifications
Chief Executive Officer	Brian P. Kelly	25 years of experience BA, Government-Journalism, California State University, Sacramento
Northern California Regional Director	Boris Lipkin	13 years of experience MCP, City Planning, University of Pennsylvania BA, Business Economics and Geography, University of California, Los Angeles
Former Northern California Regional Director	Ben Tripousis	32 years of experience MPA, Public Administration, San Jose State University BS, Political Science, University of California, Berkeley
Director of Environmental Services	Serge Stanich	25 years of experience BA, Environmental Studies, California State University at Sacramento
Former Director of Environmental Services	Mark McLoughlin	35 years of experience BS, Ornamental Horticulture and Landscape Construction, California Polytechnic State University, San Luis Obispo
Northern California Regional Delivery Manager	Joy Pine	28 years of experience BS, Civil Engineering, California State University, Chico
Contract Manager	Lijia Zhang, PE, PMP	25 years of experience MS, Civil Engineering, State University of New York, Buffalo
Former Northern California Regional Delivery Manager	Shahin Pourvahidi, PE	38 years of experience BS, Civil Engineering, University of Wisconsin, Platteville
Former Northern California Regional Delivery Manager	Guy Preston, PE	30 years of experience BS, Civil Engineering, University of California, Berkeley
Director of Planning and Sustainability	Margaret Cederth, AICP, ENV SP	22 years of experience MURP, Urban and Regional Planning, University of Illinois, Urbana-Champaign

Project Role	Name, Credential	Qualifications
		BA, Middle Eastern History, University of Illinois, Urbana-Champaign
Former Director of Planning and Integration	Melissa Elefante DuMond, AICP	16 years of experience MPA, Public Administration, North Carolina State University, Raleigh BS, Environmental Studies, University of North Carolina, Wilmington
NEPA Assignment Manager	Scott Rothenberg	16 years of experience B.A., Environmental Policy, Bowling Green State University
Former Authority NEPA Assignment Manager	Dan McKell	20 years of experience
Supervising Environmental Planner, Cultural Resources Program Manager/Tribal Liaison	Brett Rushing	30 years of experience MA, Anthropology, California State University, San Francisco BA, Anthropology, Louisiana State University
Senior Environmental Planner, Cultural Resources Program Manager/Tribal Liaison	Amy MacKinnon	12 years of experience MA, Anthropology, California State University, Chico BA, English, University of California, Davis
Former Supervising Environmental Planner, Cultural Resources Program Manager/Tribal Liaison	Sarah Allred	26 years of experience BA, Anthropology, California State University, Sacramento
Former Supervising Transportation Engineer	Joyce Brenner, PE	31 years of experience BS, Civil Engineering, California State University, Chico

AICP = American Institute of Certified Planners

BA = Bachelor of Arts

BS = Bachelor of Science (United States)

JD = Juris Doctor

MA = Master of Arts

MCP = Master of City Planning

MPA = Master of Public Administration

MURP = Master of Urban and Regional Planning

PE = Professional Engineer

11.2 Federal Railroad Administration (prior to the July 23, 2019, NEPA Assignment MOU)

Project Role	Name, Credential	Qualifications
Environmental Protection Specialist	Stephanie B. Perez-Arrieta, PG	27 years of experience BS, Geology, Virginia Polytechnic Institute and State University

BS = Bachelor of Science

PG = Professional Geologist

11.3 Rail Delivery Partners

Project Role	Name, Credential	Qualifications
Deputy Director of Environmental Services	Bryan K. Porter, AICP	39 years of experience MPA, Public Administration, California State University, Sacramento BA, Political Science, University of California, Berkeley
Former Deputy Director of Environmental Services	Lisa G. Nungesser, PhD	39 years of experience PhD, Community and Regional Planning and Geography, University of Texas, San Antonio MS, Environmental Management, University of Texas, San Antonio BA, Plan II, University of Texas, San Antonio
Northern California Director of Projects	Gary John Kennerley, PE	30 years of experience BS, Civil Engineering, University of Bristol
Former Northern California Director of Projects	Rebecca Kohlstrand, AICP	35+ years of experience MS, Transportation Engineering, University of California, Berkeley MCP, City and Regional Planning, University of California, Berkeley BS, Resource Recreation Management, Oregon State University
Project Manager, San Jose to Merced	Audrey Van, AICP	14 years of experience MS, Biology, Georgia Institute of Technology BS, Biology, Sonoma State University
Former Project Manager, San Jose to Merced	Dave Shpak, AICP	33 years of experience BS, Environmental Planning, University of California, Davis
Assistant Project Manager, San Jose to Merced Environmental	Chris Diwa, AICP	17 years of experience BA, Sociology, Urban Studies, University of California, Irvine
Assistant Project Manager, San Francisco to San Jose Environmental	Phyllis Potter, AICP	37 years of experience MA, Environmental Planning, California State University, Long Beach BA, Fine Arts, Portland State University
Assistant Project Manager, San Jose to Merced Environmental	James Tung, PE	19 years of experience MS, Civil Infrastructure, Virginia Polytechnic Institute and State University, Blacksburg BS, Civil Engineering, McGill University, Montreal
Assistant Project Manager, San Jose to Merced Engineering	Julian Bratina, EIT	11 years of experience BS, Civil Engineering, University of New Hampshire, Durham

Project Role	Name, Credential	Qualifications
Former Assistant Project Manager, San Jose to Merced Engineering	Michael Stanwick, PE	11 years of experience BS, Civil Engineering, University of the Pacific, Stockton
Civil Engineer, San Jose to Merced	Tony Gura, PE	14 years of experience BS, Civil Engineering, University of Illinois at Chicago, Chicago
Deputy Director Operations & Maintenance	Simon Whitehorn	37 years of experience
Permitting Manager	Mike Aviña, JD	24 years of experience JD, University of California, Davis BA, Anthropology, University of California, Davis
Northern California Communications Manager	Morgan Galli	19 years of experience MUP, Urban Planning, San Jose State University MA, Political Science, Whittier College
Transportation, Socioeconomics and Communities, Environmental Justice, Station Planning, Land Use, and Development	Bruce Fukuji	25+ years of experience MCP, City Planning, University of California, Berkeley BA, Architecture, University of California, Berkeley
Northern California NEPA Assignment Coordinator	Manisha Patel	25 years of experience JD, Georgetown University Law Center, Washington, DC BA, Political Science, Northwestern University, Chicago
Former Northern California NEPA Assignment Coordinator	David Carlson	32 years of experience BS, Natural Resource Management, University of Massachusetts, Amherst
Northern California NEPA Assignment Coordinator	Allie Reilly	5 years of experience MSc, Geography, University of Oxford School of Geography and the Environment, Oxford BA, Environmental Studies & Policy, Brown University, Providence
Transportation	Donald E. Hubbard, TE, AICP	39 years of experience MCRP, City and Regional Planning, Harvard University BS, Engineering Science, Northwestern University
Air Quality and Greenhouse Gases, Energy	Alice Lovegrove	31 years of experience MS, Environmental and Waste Management, State University of New York, Stony Brook BS, Engineering Science/Environmental Biomedical, State University of New York, Stony Brook

Project Role	Name, Credential	Qualifications
Air Quality and Greenhouse Gases, Energy	Edward Tadross	20 years of experience BA, Environmental Studies, Tulane University BA, Earth Sciences, Tulane University
Noise and Vibration	Rob Greene, INCE, BdCert	32 years of experience BS, Environmental Science, Pacific Western University
Electromagnetic Fields and Electromagnetic Interference	Eric Scotson	42 years of experience BS, Electrical Engineering, University of Salford
Electromagnetic Fields and Electromagnetic Interference	Andy Pattantys	15 years of experience MBA, Business Administration, Case Western Reserve University MS, Mechanical Engineering, Virginia Polytechnic Institute and State University, Blacksburg BS, Mechanical Engineering, Virginia Polytechnic Institute and State University, Blacksburg
Public Utilities	Zack Isnasious, PE	37 years of experience BS, Civil Engineering, Alexandria University
Biological and Aquatic Resources, Hydrology and Water Resources	Mike Aviña, JD	24 years of experience JD, University of California, Davis BA, Anthropology, University of California, Davis
Hydrology and Water Resources	Veronica Seyde	32 years of experience MS, Environmental Studies, California State University, Fullerton BA, Biology, University of San Diego
Biological and Aquatic Resources	John Hunter, PhD	32 years of experience PhD, Plant Biology, University of California, Davis MA, Ecological and Systematic Biology, San Francisco State University BA, Environmental Studies, University of California, Santa Cruz
Biological and Aquatic Resources	Linda Leeman	20 years of experience MS, Natural Resources, Humboldt State University BS, Wildlife and Fisheries Biology, University of California, Davis
Geology, Soils, and Seismicity	Kelley Kelso	19 years of experience MS, Geology, University of California, Davis BS, Geology, University of California, Los Angeles
Geology and Tunnel Geotechnical Engineering	Stephen Klein	42 years of experience MS, Geotechnical Engineering, University of California, Berkeley BS, Civil Engineering, University of Illinois, Champaign-Urbana

Project Role	Name, Credential	Qualifications
Geology, Soils, and Seismicity	Julia Bosma	28 years of experience MS, Geological Sciences, Mackay School of Mines MS, Environmental Policy and Management, University of Denver BS, Geological Sciences, University of Washington
Paleontology	Tom Deméré, PhD	42 years of experience PhD, Evolutionary Biology, University of California, Los Angeles MS, Geological Sciences, University of Southern California BS, Geological Sciences, San Diego State University
Hazardous Materials and Waste	David Van Goethem, PE	25 years of experience MBA, Walsh College BS, Civil and Environmental Engineering, Michigan State University
Safety and Security, Project Costs and Operations	Bryan K. Porter, AICP	39 years of experience MPA, Public Administration, California State University, Sacramento BA, Political Science, University of California, Berkeley
Safety and Security	Lurae Stuart	32 years of experience BS, Sociology/Psychology, George Fox University
Socioeconomics and Communities, Regional Growth, Draft Relocation Impact Report	Betsy J. Minden, AICP	32 years of experience MUP, Urban and Regional Planning, University of Washington BA, Biology, Smith College
Station Planning, Land Use, and Development, Cumulative Impacts, Section 4(f) and Section 6(f) Evaluations	Jennifer Rabby, AICP	17 years of experience MCRP, Community and Regional Planning, University of Oregon BA, Biology and Environmental Studies, Lewis and Clark College
Parks, Recreation, and Open Space	Scott Polzin	23 years of experience MCRP, Community and Regional Planning, University of Nebraska, Lincoln BS, Finance, University of Nebraska, Lincoln
Aesthetics and Visual Quality	Larissa King Rawlins, AICP	19 years of experience BA, Environmental Planning, Western Washington University

Project Role	Name, Credential	Qualifications
Cultural Resources, Archaeology	Alisa Reynolds, MA, RPA	23 years of experience MA, Anthropology, San Francisco State University BA, Anthropology, University of California, Berkeley
Cultural Resources, Built Environment	Meg Scantlebury	19 years of experience MA, Historic Preservation, Goucher College BS, Environmental Design, University of California, Davis
Cultural Resources, Built Environment	Monte Kim, PhD	17 years of experience PhD, History, University of California, Santa Barbara MA, Public History, California State University, Sacramento BA, History, University of California, Santa Cruz
Socioeconomics and Communities, Community Impact Assessment, Environmental Justice	Stephanie J. Sprague, AICP	18 years of experience MS, Natural Resource Policy, University of Michigan MS, Marine Science, University of New South Wales BS, Environmental Microbiology, Michigan State University

AICP = American Institute of Certified Planners
 BA = Bachelor of Arts
 BdCert = Board Certified
 BS = Bachelor of Science
 INCE = Institute of Noise Control Engineering
 JD = Juris Doctor
 MA = Master of Arts
 MBA = Master of Business Administration
 MCP = Master of City Planning
 MCRP = Master of City and Regional Planning
 MPA = Master of Public Administration
 MS = Master of Science (United States)
 MUP = Master of Urban Planning
 MURP = Master of Urban and Regional Planning
 PE = Professional Engineer
 PhD = Doctor of Philosophy
 RPA = Register of Professional Archaeologists
 TE = Traffic Engineer

11.4 Regional Consultant Environmental Team

Project Role	Name, Credential	Qualifications
Project Manager	John Litzinger, PE	35 years of experience BS, Civil Engineering, Texas A&M, College Station
Former Project Manager	Dominic Spaethling	25 years of experience MCP, City Planning, University of Pennsylvania BA, International Relations, Brown University

Project Role	Name, Credential	Qualifications
Design Manager	Conrad Kim Franchi, PE	41 years of experience BS, Civil Engineering, University of Leeds, Leeds
Engineer, Roadways Lead	Lillie Lam, PE	17 years of experience BS, Civil Engineering, University of California, Davis
Environmental Planner	Rosanna McGuire	12 years of experience MS, Environmental Studies, York University BS, Ecology, University of Toronto
Former Engineer, Track Lead	Myat Ohn, PE	11 years of experience BS, Civil Engineering, University of California, Berkeley
Former Design Section Lead	Jimmy Thompson, Chartered Engineer, UK	32 years of experience BS, Engineering, Civil and Structural Engineering, University of Sheffield
Environmental Project Manager, Technical Reviewer	Rich Walter	27 years of experience MA, International Relations/Energy, Environment, Science, and Technology, School for Advanced International Relations, Johns Hopkins University BA, History, Stanford University
Environmental Lead, Technical Reviewer, Ch. 2 Alternatives	Kim Avila, AICP	27 years of experience MA, International and Public Affairs, Columbia University BA, Government, Harvard University ND, Demographics, University of Edinburgh
Former Co-Environmental Lead, Technical Reviewer	Lisa Sakata	20 years of experience BA, Peace Studies, Colgate University
Environmental Lead, Technical Reviewer, Cumulative Impacts	Debra Rogers	27 years of experience MBA, International Business/Marketing, University of North Carolina, Chapel Hill BS, Business Administration/Marketing, Villanova University
Deputy Environmental Lead	Anne Winslow	8 years of experience MS, Environmental Sciences, Stanford University BS, Environmental Sciences, Stanford University
Project Coordinator, Technical Reviewer, Draft Relocation Impact Report, Ch. 1 Purpose and Need, Executive Summary, Introduction	Sarah Glasgow	7 years of experience BS, Integrated Science and Technology, James Madison University

Project Role	Name, Credential	Qualifications
Former Project Coordinator, Cumulative Impacts	Jamie Genevie, AICP	10 years of experience MURP, Urban and Regional Planning, Virginia Polytechnic Institute and State University BA, Global Change and Sociology, University of Michigan
Senior Technical Review	Aaron Carter	15 years of experience BA, Geography, California State University, Fullerton
Former Technical Review	Randall Coleman	10 years of experience MURP, Urban and Regional Planning, University of Colorado BA, History and Spanish, Trinity University
Senior Technical Review	Vicki Heron	19 years of experience MSc, Soils & Environmental Pollution, University of Reading BSc, Geography, Liverpool John Moores University
Former Senior Technical Review	Donna McCormick	31 years of experience BS, Landscape Architecture, California State Polytechnic University, Pomona
Former Technical Review	Laura Klewicki	7 years of experience MS, Environmental Science, Yale University School of Forestry and Environmental Studies BS, Environmental Technology and Management, North Carolina State University
NEPA Review, Cumulative Impacts	Hova Woods	18 years of experience MPA, Environmental Policy & Science, Indiana University BS, Finance, Indiana University ND, Economics, U.S. Naval Academy
Document Control and Coordinator, Ch. 9 Public and Agency Involvement, Ch. 5 Environmental Justice	Tiffany Mendoza	16 years of experience BA, Political Science, Wright State University
Transportation	Bill Burton, PE, TE	27 years of experience MS, Civil Engineering, University of California, Berkeley BS, Civil Engineering, University of California, Berkeley
Transportation	Bob Grandy, TE	38 years of experience BS, Civil Engineering, University of California, Berkeley
Transportation	Delia Votsch, EIT	4 years of experience BS, Civil Engineering, Drexel University

Project Role	Name, Credential	Qualifications
Transportation	Daniel Jacobsen	10 years of experience BA, Urban Studies, Stanford University
Transportation	Mike Hawkins, PE	9 years of experience BS, Civil Engineering, California Polytechnic State University, San Luis Obispo
Transportation	Ian Barnes, PE	10 years of experience MS, Civil Engineering, University of California, Berkeley BS, Civil Engineering, California Polytechnic State University, San Luis Obispo
Transportation	Anna Luo	18 years of experience MS, Transportation and Highway Engineering, Michigan State University BS, Transportation/Mobility Management, Beijing Jiaotong University
Transportation	David Stanek	25 years of experience MS, Transportation Engineering, University of California, Davis BS, Civil and Environmental Engineering, University of California, Davis
Transportation	Sai Sirandas, PE	8 years of experience MS, Civil Engineering (Transportation), Pennsylvania State University BT, Civil Engineering, Indian Institute of Technology, Kharagpur
Former Transportation	Neil Smolen	4 years of experience MS, Civil Engineering, University of California, Irvine MURP, Urban & Regional Planning, University of California, Irvine BS, Environmental Studies, University of California, Santa Barbara
Former Transportation	Jesse Cohn	4 years of experience MCRP, City and Regional Planning, University of North Carolina, Chapel Hill BA, Visual Arts and Urban Studies, Brown University
Former Transportation	Huma Husain	6 years of experience MUP, Urban Planning, University of California, Los Angeles BS, Systems Engineering, University of Virginia

Project Role	Name, Credential	Qualifications
Transportation	Ron Ramos	6 years of experience MS, Transportation and Highway Engineering, University of California, Berkeley BS, Civil and Environmental Engineering, University of California, Berkeley
Former Transportation	Loan Pham, EIT	2 years of experience BS, Civil Engineering, University of California, Berkeley
Former Transportation	Rebecca Shafer, EIT	3 years of experience MS, Transportation Engineering/City and Regional Planning, University of California, Berkeley BS, Civil Engineering, University of California, Irvine
Transportation	Natalie Chyba	4 years of experience BS, Civil Engineering, University of California, Berkeley
Former Transportation	Ben Fuller	6 years of experience MS, Transportation Engineering, University of California, Berkeley BS, Civil Engineering, University of California, Berkeley
Transportation	Allen Wang, PE	7 years of experience MS, Transportation Engineering, University of California, Berkeley BS, Civil Engineering, University of Washington
Former Transportation	Sebastian Arias, PE	4 years of experience MS, Civil Engineering, University of Illinois, Urbana BS, Civil Engineering, North Carolina State University
Former Transportation	Elliot Huang, TE	4 years of experience BS, Civil Engineering, University of California, Irvine
Transportation	Jessica Sandoval	7 years of experience BA, Geography, California State University, Sacramento AS, Computer Applications, Sierra Community College
Transportation	Eleanor Leshner	6 years of experience MA, City Planning (Transportation Planning and Policy), University of California, Berkeley BA, Environmental Economics, Middlebury College

Project Role	Name, Credential	Qualifications
Former Transportation	Dennis Lee	7 years of experience MS, Civil Engineering, University of California, Berkeley MA, Urban and Regional Planning, University of California, Berkeley BA, Computer Science, Brown University
Air Quality and Greenhouse Gases, Former Technical Reviewer	Shannon Hatcher	18 years of experience BS, Environmental Science, Oregon State University BS, Environmental Health and Safety, Oregon State University
Air Quality and Greenhouse Gases, Dispersion Modeling and Health Risks Senior Analyst	Ed Carr	39 years of experience MS, Atmospheric Science, University of Washington BS, Meteorology, San Jose State University
Air Quality and Greenhouse Gases, Section Lead	Laura Yoon	12 years of experience MA, Environmental Management, University of San Francisco BA, Environmental Studies, University of Washington
Air Quality and Greenhouse Gases, Dispersion Modeling and Health Risks Analyst	Darrin Trageser	6 years of experience MS, Atmospheric Sciences, University of California, Davis
Air Quality and Greenhouse Gases, Analyst	Elliott Wezerek	5 years of experience BS, Environmental Studies, University of Southern California
Air Quality and Greenhouse Gases, Analyst	Sandy Lin	8 years of experience MCRP, City and Regional Planning, University of Pennsylvania BA, Urban Studies and Planning, University of California, San Diego BA, Economics, University of California, San Diego
Air Quality and Greenhouse Gases, Former Dispersion Modeling and Health Risks Analyst	Yi Hua Wei	32 years of experience MS, Physics, Indiana State University MS, Atmospheric Science, State University of New York, Albany BS, Physics, Nanjing University
Air Quality and Greenhouse Gases, Dispersion Modeling and Health Risks Analyst	Belle Hudischewskyj	41 years of experience BS, Meteorology, San Jose State University AS, Mathematics, Sierra Community College

Project Role	Name, Credential	Qualifications
Air Quality and Greenhouse Gases, Technical Reviewer	Matt McFalls	13 years of experience MS, Geography, San Diego State University BA, Public Administration, San Diego State University
Noise and Vibration	Silas Bensing	11 years of experience BA, Audio Arts and Acoustics, Columbia College
Former Noise and Vibration	Richard Carman, PhD, PE	40 years of experience PhD, Mechanical Engineering, University of California, Berkeley MS, Mechanical Engineering, University of California, Berkeley BS, Mechanical Engineering, University of California, Berkeley
Former Noise and Vibration	Timothy Johnson	17 years of experience BS, Mechanical Engineering with Acoustics Concentration, University of Hartford
Noise and Vibration	Deborah Jue	31 years of experience MS, Mechanical Engineering, University of California, Berkeley BS, Engineering: Acoustics, Stanford University
Noise and Vibration	Patrick Faner	14 years of experience BS, Mechanical Engineering, University of California, Berkeley
Noise and Vibration	Luke Watry	5 years of experience BS, Mechanical Engineering, University of Colorado, Boulder
Noise and Vibration	Ani Toncheva	10 years of experience BS. Physics, Bard College, New York
Noise and Vibration	Sarah Kaddatz	8 years of experience BS, Acoustics, Columbia College
Noise and Vibration	Taylor Hays	10 years of experience BS, Meteorology, Rutgers University
Former Noise and Vibration	Jason Volk	19 years of experience BS, Mechanical Engineering, North Carolina State University
Electromagnetic Fields and Electromagnetic Interference	David Fugate	28 years of experience PhD, Electrical Engineering, Carnegie Mellon University MS, Electrical Engineering, Carnegie Mellon University BS, Electrical Engineering, Carnegie Mellon University

Project Role	Name, Credential	Qualifications
Former Electromagnetic Fields and Electromagnetic Interference	Sergio Pena	2 years of experience BS, Engineering Sciences, Acoustic Civil Engineering, Universidad Technologica Vicente Perez Rosales
Electromagnetic Fields and Electromagnetic Interference	Matthew Sneddon	37 years of experience BS, Physics, University of California, Santa Barbara
Public Utilities and Energy, Safety and Security	Robert Lanza, PE	37 years of experience ME, Chemical Engineering, Cornell University BS, Chemical Engineering, Cornell University
Biological and Aquatic Resources	Angela Alcala	20 years of experience BS, Wildlife, Fisheries, Conservation Biology, University of California, Davis
Biological and Aquatic Resources (land cover and aquatic resources)	Joel Butterworth, PWS, QSD, CPESC	33 years of experience MS, Geography (minor in Soil Science), Oregon State University BA, Geography, University of California, Santa Barbara
Biological and Aquatic Resources (land cover and aquatic resources)	Kate Carpenter	18 years of experience BA, Plant Biology, University of California, Davis
Biological and Aquatic Resources (wildlife)	Eric Christensen	16 years of experience BS, Evolution and Ecology, University of California, Davis
Biological and Aquatic Resources (fish)	Jeff Kozlowski	34 years of experience MS, Ecology, University of California, Davis BS, Natural Resources Management, California Polytechnic State University
Biological and Aquatic Resources	Matt Ricketts	21 years of experience MS, Biology/Applied Ecology, Eastern Kentucky University BS, Natural Resource and Environmental Sciences, University of Illinois, Urbana-Champaign
Biological and Aquatic Resources (plants, wildlife movement, technical lead)	Brad Schafer	22 years of experience BS, Biology, Western Illinois University
Biological and Aquatic Resources (fish, wildlife, wildlife movement)	Rebecca Sloan	16 years of experience MS, Environmental Studies, San Jose State University BS, Marine Science, Eckerd Collage
Biological and Aquatic Resources (plants)	Margaret Widdowson	24 years of experience PhD, Forest Ecology, University of Stirling BS, Botany, University of Aberdeen

Project Role	Name, Credential	Qualifications
Biological and Aquatic Resources (wildlife)	Ross Wilming	16 years of experience BS, Biology, University of Iowa
Biological and Aquatic Resources (fish and waterfowl)	Chris Earle	27 years of experience PhD, Forest Ecology, University of Washington MS, Geosciences, University of Arizona BA, Biology and Geology, Whitman College
Hydrology and Water Resources	Ashley Chan	6 years of experience BS, Ecology and Evolutionary Biology, University of California, Irvine
Former Hydrology and Water Resources	Nicole Belle Isle, EIT	5 years of experience MS, Environmental Engineering, University of California, Berkeley BA, Linguistics and French, Harvard University
Former Hydrology and Water Resources	Tony Jones, JD, QSD/P, QISP, ToR, CPESC, CESSWI	23 years of experience JD, University of California, Davis BS, Environmental Chemistry, University of California, Davis
Hydrology and Water Resources	Analette Ochoa, PE, QSD/P, ToR	26 years of experience BS, Civil Engineering, University of California, Davis
Former Hydrology and Water Resources	Phil Petermann	10 years of experience BA, Journalism, California State University, Chico
Hydrology and Water Resources	Laura Rocha, CPSWQ, QSD/P	16 years of experience MS, Environmental Studies, California State University, Fullerton BA, Environmental Studies and Psychology, University of California, Santa Barbara
Hydrology and Water Resources	Kazuya Tsurushita, PE	12 years of experience BS, Civil and Environmental Engineering, University of California, Davis
Former Hydrology and Water Resources	Cuyler Stapelmann	10 years of experience BS, Conservation and Resource Studies, University of California, Berkeley
Hydrology and Water Resources	Jennifer Willis	3 years of experience M.A., English, Sonoma State University B.A. with Distinction, English Literature and Critical Theory, Sonoma State University
Hydrology and Water Resources	Emmy Tsang Raney	4 years of experience M.S., Environmental Management, University of San Francisco B.S., Environmental Science, Northeastern University

Project Role	Name, Credential	Qualifications
Geology, Soils, and Seismicity, Paleontology, Hazardous Materials and Wastes	Alex Bartlett	13 years of experience BGS, Environmental Studies, University of Kansas
Geology, Soils, and Seismicity, Hazardous Materials and Wastes	Paul Cottingham, CEG	18 years of experience BS, Geology, Humboldt State University
Former Geology, Soils, and Seismicity	Matt Clark, EIT	5 years of experience MS, Civil and Environmental Engineering with Geotechnical concentration, California Polytechnic State University, San Luis Obispo BS, Civil and Environmental Engineering, California Polytechnic State University, San Luis Obispo
Geology, Soils, and Seismicity	Mark Gilbert, GE	36 years of experience MS, Geotechnical Engineering, Arizona State University, Tempe BS, Civil Engineering, Arizona State University, Tempe
Geology, Soils, and Seismicity, Hazardous Materials and Wastes	Abram Magel, PE	8 years of experience MS, Geotechnical Engineering, University of California, Berkeley BS, Civil and Environmental Engineering, University of California, Berkeley BA, Environmental Studies, University of California, Santa Cruz
Former Geology, Soils, and Seismicity	Phil Stuecheli, CEG	30 years of experience MS, Geology, Ohio State University BS, Geology, Ohio State University
Former Hazardous Materials and Wastes	Richard Gandolfo, QSD	10 years of experience BS, Environmental Science, California State University, East Bay
Former Hazardous Materials and Wastes	Jenna Lohmann, PE	3 years of experience MS, Civil Engineering, University of California, Berkeley BS, Environmental Engineering, Tufts University
Hazardous Materials and Wastes	Brooke Spruit	5 years of experience BS, Civil Engineering, University of Michigan BS, Environmental Engineering, University of Michigan
Hazardous Materials and Wastes	Shawn Munger, PG, CHG	36 years of experience BS, Geological Sciences, University of California, Davis

Project Role	Name, Credential	Qualifications
Paleontology	Geraldine Aron	21 years of experience MS, Geological Sciences, California State University, Long Beach BA, Geological Sciences, California State University, Long Beach
Paleontology	Courtney Richards	17 years of experience MS, Biological Sciences, Marshall University BS, Earth and Space Sciences, University of Washington
Former Alternatives, Socioeconomics and Communities, Station Planning, Land Use, and Development, Cumulative Impacts	Alison Rondone	17 years of experience MA, Environmental Studies, University of Southern California BA, Interdisciplinary Studies, California State University, Dominguez Hills
Socioeconomics and Communities, Parks, Recreation, and Open Space, Section 4(f) and Section 6(f) Evaluations, Environmental Justice	Shilpa Trisal	17 years of experience MCP, Community Planning, University of Cincinnati BP, School of Planning and Architecture, New Delhi
Station Planning, Land Use, and Development, Cumulative Impacts	Susan Swift	28 years of experience MA, Planning and Development Studies, University of Southern California BA, Psychology, University of California, Berkeley
Agricultural Farmland	Antero Rivasplata, AICP	40 years of experience BS, Environmental Planning and Management, University of California, Davis
Agricultural Farmland	Diana Roberts	21 years of experience MS, Environmental Studies coursework, San Jose State University MA, Linguistics, Cornell University BS, Applied Psychology, Georgia Institute of Technology
Parks, Recreation, and Open Space, Environmental Justice	Greta Brownlow, PhD	21 years of experience PhD, Education, University of California, Berkeley MA, Education, University of California, Berkeley MUP, Urban Planning, University of California, Los Angeles BA, Social Sciences, University of California, Berkeley
Former Parks, Recreation, and Open Space, Section 4(f) and Section 6(f) Evaluations	Peter Feldman	9 years of experience BA, Political Science (American Politics), University of California, Irvine

Project Role	Name, Credential	Qualifications
Former Parks, Recreation, and Open Space, Safety and Security	Lawrence Truong	4 years of experience MP, City and Urban Planning, University of Southern California BS, Community and Regional Development, University of California, Davis
Parks, Recreation, and Open Space, Section 4(f) and Section 6(f) Evaluations	Jennifer Andersen	9 years of experience BA, International Relations, University of Southern California
Former Parks, Recreation, and Open Space	Caroline Vurlumis	2 years of experience BA, Environmental Analysis, Scripps College
Aesthetics and Visual Quality	Jennifer Ban, PLA	22 years of experience BLA, Landscape Architecture, Pennsylvania State University, University Park
Aesthetics and Visual Quality	Michael Kiesling	10 years of experience BA, Architecture, University of California, Berkeley
Aesthetics and Visual Quality	Angela Lin	23 years of experience BA, Art, Wesleyan University
Cultural Resources	Lily Arias	11 years of experience MA, Cultural Resources Management, Sonoma State University BA, History, minor in Anthropology, University of California, Los Angeles
Cultural Resources	Kerry Boutte, RPA	17 years of experience MA, Anthropology, University of Texas BA, Anthropology, University of New Orleans
Cultural Resources; Geographic Information Systems	Melissa Cascella, RPA	14 years of experience MA, Cultural Resource Management, Sonoma State University BA, History, University of California, Riverside BS, Anthropology, University of California, Riverside GIS Certificate, Pennsylvania State University, State College
Cultural Resources, Technical Reviewer	Tait Elder, RPA	16 years of experience MA, Anthropology, Portland State University BA, Anthropology, minor in Geology, Western Washington University

Project Role	Name, Credential	Qualifications
Cultural Resources	Stacy Farr	12 years of experience MS, Architectural History, University of California, Berkeley BA, History of Art and Architecture, University of California, Santa Barbara
Cultural Resources	Aisha Fike	11 years of experience MA, Public History, California State University, Sacramento BA, Philosophy/History, Saint Mary's College of California
Cultural Resources	Gretchen Hilyard Boyce	13 years of experience MA, Historic Preservation Planning, University of Pennsylvania BA, Architectural History, University of Virginia
Former Cultural Resources	Kathryn Haley	17 years of experience MA, History, California State University, Sacramento BA, History, California State University, Sacramento
Cultural Resources, Senior Technical Reviewer	Susan Lassell	27 years of experience MA, Historic Preservation Planning, Cornell University BS, Environmental Design, University of California, Davis
Cultural Resources	David Lemon	18 years of experience MA, Public History, California State University, Sacramento BA, History, University of California, Santa Barbara
Cultural Resources	Daniel Paul	16 years of experience MA, Art History, California State University, Northridge BA, Art History, California State University, Fullerton Historic Preservation Short Course Certificate, University of Southern California
Cultural Resources	Amanda Reese	7 years of experience MA, Public History, California State University, Sacramento BA, European History, Mills College
Former Cultural Resources	Mark Robinson, RPA	31 years of experience MS, Anthropology, University of Oregon MA, English, University of Oregon BA, History and Geology, University of Montana

Project Role	Name, Credential	Qualifications
Cultural Resources	Jenifer Rogers	26 years of experience MA, Historic Preservation, Savannah College of Art and Design BA, Anthropology, California State University, Sacramento
Cultural Resources	Jonathon Rusch	7 years of experience MA, Historic Preservation Planning, Cornell University BA, Geography and Scandinavian Studies, University of Minnesota
Cultural Resources	Shane Sparks	15 years of experience MA, Anthropology, Western Washington University BA, Religious-Historical Studies, Hardin Simmons University GIS Certificate Program, University of Washington
Cultural Resources	January Tavel, MHP	11 years of experience MHP, Historic Preservation, University of Maryland, College Park BA, Journalism, University of Maryland, College Park
Cultural Resources	Timothy Yates, PhD	13 years of experience PhD, U.S. History with an emphasis in Cultural, Social, and Urban History, University of California, Davis MA, American Studies, California State University, Fullerton BA, American Studies, University of California, Santa Cruz
Cultural Resources	Meta Bunse	31 years of experience MA, Public History, California State University, Sacramento BA, Women's Studies and Italian Language, University of California, Davis
Cultural Resources	Toni Webb	22 years of experience BFA, Historic Preservation, Savannah College of Art and Design
Cultural Resources	Heather Norby	13 years of experience MA, History, University of California, Berkeley BA, History, University of California, Davis

Project Role	Name, Credential	Qualifications
Cultural Resources	Robin Fies	8 years of experience MA, Anthropology, San Francisco State University BS, Anthropology and Geology, University of California, Davis
Regional Growth	Heidi Mekkelson	17 years of experience BS, Environmental Studies (Biology emphasis), University of Southern California
Regional Growth	Erin Pace	13 years of experience BA, Environmental Policy, San Diego State University
Regional Growth	Darin Smith	22 years of experience MCP, City Planning, University of Pennsylvania BA, Psychology, University of Pennsylvania
Regional Growth	Ed Sullivan	34 years of experience MCP, City Planning, University of Pennsylvania BS, Biology, Metropolitan State University
Former Environmental Justice	Josh Channell	27 years of experience MA, Urban and Environmental Planning and Policy, Tufts University BA, History, University of Southern Maine, Portland
Ch. 5 Environmental Justice	Tanya Copeland	20 years of experience MS, Ecology and Evolution, University of Illinois at Chicago BS, Chemistry, University of Illinois at Chicago
Environmental Justice; Outreach and Documentation	Rafael Silberblatt	10 years of experience MLA, Landscape Architecture Environmental Planning, University of California, Berkeley BA, Comparative Literature, University of California, Berkeley
Project Costs and Operations	Michael Brown	5 years of experience BA, Political Science, University of California, Los Angeles
Public and Agency Involvement	Kimberly Stevens	15 years of experience BS, Geography, University of Utah
Former Geographic Information Systems Manager	William C. Parker	9 years of experience MA, Geography, San Francisco State University, (in progress) BA, Anthropology, University of California, Berkeley GIS Certification of Completion, Diablo Valley College

Project Role	Name, Credential	Qualifications
Geographic Information Systems Manager	Jason Thoene	20 years of experience MS, Geographic Information Science, University of Denver BA, Geology, University of Montana
Geographic Information Systems	Lissa Johnson	16 years of experience BA, Anthropology, University of Idaho BA, Digital Media Studies, University of Denver Graduate Certificate, GIS, University of Denver
Former Geographic Information Systems	Cristina Lopez-Barrios	7 years of experience MA, Geographic Information Science, Saint Mary's University of Minnesota BA, Forestry Engineering, Extremadura University GIS Certification of Completion, San Francisco City College
Geographic Information Systems	Greg Nichols	25 years of experience MA (candidate), Geography, San Diego State University BA, Environmental Studies, California State University, San Bernardino
Geographic Information Systems	Brent Read	18 years of experience MS, Watershed Science, Colorado State University BS, Forestry, Colorado State University
Geographic Information Systems Cultural Resources	Mathew Sisneros	6 years of experience BS, Anthropology, Portland State University GIS Certificate, Portland Community College
Geographic Information Systems	Matt Wood	9 years of experience MS, Geography, Portland State University BS, Environmental Biology/Zoology, Michigan State University, East Lansing
Former Lead Editor	Lawrence B. Goral	25 years of experience
Former Editor	Brent Bouldin	42 years of experience MA, Communications, Louisiana State University BA, Communications, University of Texas, Austin
Former Editor	Laura Cooper	27 years of experience BA, Psychology, Reed College
Lead Editor	Heather Hammermeister	18 years of experience MS, Data Science, Northwestern University MA, Linguistics, University of Colorado Boulder BA, Journalism, University of Nevada Reno

Project Role	Name, Credential	Qualifications
Editor	Christine McCrory	18 years of experience PhD Candidate, Germanic Languages and Literatures, Washington University, St. Louis M. Phil., European Literature, Oxford University, Lincoln College BA, Anthropology and German, University of California, Berkeley
Editor	Sara Wilson	23 years of experience BA, Classical Languages (Ancient Greek, Latin), University of California, Berkeley
Publications Specialist	Anthony Ha	15 years of experience BA, English, Saint Mary's College of California
Publications Specialist	Corrine Ortega	31 years of experience AA, Communications, Cosumnes River College
References	Patrick Maley	12 years of experience MPA, Master of Public Administration, San Francisco State University BA, Humanities, San Francisco State University
References	Kristin Salamack	12 years of experience MS, Biology, University of Denver BS, Wildlife Management, University of New Hampshire, Durham
References	Merin Swenson	12 years of experience BS, Environmental Science, University of Utah

AS = Associate of Science
 BA = Bachelor of Arts
 BFA = Bachelor of Fine Arts
 BGS = Bachelor of General Studies
 BLA = Bachelor of Landscape Architecture
 BLA = Bachelor of Landscape Architecture
 BP = Bachelor of Planning
 BS = Bachelor of Science (United States)
 BSc = Bachelor of Science (England)
 BT = Bachelor of Technology
 CESSWI = Certified Erosion, Sediment and Stormwater Inspector
 CHG = Certified Hydrogeologist
 CPESC = Certified Professional in Erosion and Sediment Control
 CPSWQ = Certified Professional in Stormwater Quality
 EIT = Engineer in Training
 GE = Geotechnical Engineer
 GIS = Geographic Information Systems
 JD = Juris Doctor
 M. Phil. = Master of Philosophy
 MA = Master of Arts
 MBA = Master of Business Administration
 MCP = Master of City Planning
 MCRP = Master of Community and Regional Planning
 ME = Master of Engineering
 MHP = Master of Historic Preservation
 MPA = Master of Public Administration
 MS = Master of Science (United States)
 MSc = Master of Science (England, Netherlands)
 MUP = Master of Urban Planning

MURP = Master of Urban and Regional Planning
ND = No Degree
PG = Professional Geologist
PhD = Doctor of Philosophy
PLA = Professional Landscape Architect
QISP = Qualified Industrial Stormwater Practitioner
QSD = Qualified SWPPP Developer
QSP = Qualified SWPPP Practitioner
RPA = Register of Professional Architects
ToR = Trainer of Record