

List of Preparers and Reviewers

36.1 Preparers by Affiliation

The tables in this section include the preparer information provided by each agency or consultant for the purposes of this chapter.

36.1.1 ICF

Name	Education	Expertise	Experience	Project Role
Chris Elliott	BS, Landscape Architecture Professional	Landscape Architect	26 years	Program Director
Steve Centerwall	BS, Environmental Policy Analysis and Planning, 1986	NEPA/ CEQA compliance, regulatory compliance, water resource planning	36 years	Senior Advisor/Team Lead
Gregg Roy	BS, Political Economy of Natural Resources, 1982	NEPA/ CEQA compliance, economics (natural resource), water resource planning	31 years	Senior Advisor/Team Lead
Kathleen Cuschieri	MS, Environmental Management, 2019 BS, Ecology and Evolutionary Biology, 2017	CEQA compliance, permitting, wetland ecology, botany	7 years	Deputy Project Manager
Shay Humphrey	BA, Political Science and History, 2006	Communications, public involvement	14 years	Deputy Project Manager/Team Lead/ Public Involvement Consultation and Coordination
Lindsay Christensen	BS, Community and Regional Development, 2004	Planning and environmental impact analysis	18 years	Team Lead Public Services and Utilities
Ellen Unsworth	MS, Interdisciplinary Studies (geology, biology, and technical communication), 1997 BA, Geology, 1989	Geology and paleontology sections for NEPA/CEQA documents	22 years	Team Lead Paleontological Resources
Barbara Wolf	MA, Anthropology, 2003 BA, Geography and Anthropology, 1997	Environmental Justice, CEQA Tribal cultural resources, transportation and climate change, technical writing	25 years	Team Lead Environmental Justice

Name	Education	Expertise	Experience	Project Role
Nicole Williams	MS, Environmental Management, Water Resources, 2003 BA, Environmental Analysis and Design and Criminology Law and Society, 2000	NEPA/ CEQA compliance, regulatory compliance	18 years	Advisor
Jesika Allen	MS, Geographic Information Systems, Geography, 2018 BA, English; Minor, Anthropology, 2007	Geographic Information Systems (GIS)	11 years	GIS Support
Kasey Allen	BA, Economics, 2003	GIS, database design and management, spatial analysis	18 years	GIS Lead
Alex Angier	AA, Computer-Aided Drafting and Design, 2006	Computer-Aided Drafting (CAD), GIS	16 years	GIS Support
Jennifer Ban, LA	BLA, Landscape Architecture, 1999	Visual resources and shade/shadow analysis, habitat restoration projects	22 years	Aesthetics and Visual Resources
Lauren Bonner	MS, Environmental Policy and Management, 2020 BS, Biology, 2016	Technical writing, data analysis, community outreach	4 years	Project Support
Dave Buehler, PE	BS, Civil Engineering, 1980	Noise and vibration impact and mitigation assessment	39 years	Noise
Joel Butterworth	MS, Geography, 1987 BA, Geography, 1985	Geology and soils impact assessment, soil resources evaluation, erosion and sediment control	33 years	Geology and Seismicity Soils
Edward Carr	MS, Atmospheric Science	Air quality impact studies, conformity analysis, dispersion modeling	35 years	Air Quality and Greenhouse Gases
Jesse Benton Cherry	BA, Human Rights, 2018	Publications and ADA compliance	10 years	Lead Publication Specialist
Gary Clendenin, PG	MS, Geology, 1990 BS, Geology, 1984	Geology, hydrogeology, and hazardous waste management	36 years	Geology & Seismicity
Caitlyn Bishop	BS, Wildlife Conservation/Vertebrate Ecology	Wildlife biology, permitting specialist, ornithology, field surveys	9 years	Terrestrial
Katherine Carpenter	BA, Plant Biology	Wetland ecology, botany, certified arborist	19 years	Terrestrial
Shannon Crossen	MS, Environmental Science, 2016 BS, Biology, 2011	Transportation ecology, field surveys, habitat assessments	14 years	Terrestrial

Name	Education	Expertise	Experience	Project Role
Christine Cruieess	MS, Historic Preservation, 2001 BA, Classical Archaeology and Anthropology, 1998	Architectural history, conservation, regulatory compliance	22 years	Cultural Resources
Susan Davis	MA, English Literature, 1995 BA, English Literature, 1990	Project management, technical writing	31 years	Land Use, Ch. 33
Lesa Erecius	MS, Pharmacology and Toxicology BS, Physiology	Water resources, aquatic toxicology, environmental impact assessment, project management	15 years	Public Health Hazards, Hazardous Materials, and Wildfire
Rachel Gardiner	MS, Wildlife Ecology, 2012 BS, Biology, 2011	Avian biology, wetland and riparian restoration, field surveys	20 years	Terrestrial
Teresa Giffen	MS, Communications and Rhetoric, 2003 BA, English, 1999	Technical writing, editing, graphic design	23 years	Graphic Artist
Marin Greenwood	PhD, Fish Ecology, 2002 MS, Applied Fish Biology, 1997 BS, Aquatic Bioscience, 1996	Aquatic ecology, impact assessment, restoration benefit assessment	18 years	Fish and Aquatic Resources
Caroline Hall	BS, Fisheries Biology, 2020	Environmental planner	6 years	Figures QA/QC
Heather Hammermeister	MS, Data Science, 2018 MA, Linguistics, 2002 BA, Journalism, 1996	Editing	18 years	Technical Editor
Christiaan Havelaar	BA, Anthropology	Archaeology	26 years	Cultural Resources
Mike Hendrick	BS, Botany MS, Biological Resources	Fish Biology	21 years	Fish and Aquatic Resources
John Howe	MS, Environmental Biology, 2001 BS, Biology, 1993	Aquatic and wildlife ecology, wildlife surveys, habitat assessments	26 years	Terrestrial Biological Resources
Jody Job	-	Word processing and document coordination	43 years	Lead Publication Specialist
Dennis Johnson	JD, 2008 BA, English, 2003	Editing, publications	22 years	Figures Coordinator/ Technical Editor
Ingrid Kimball	MS, Forest Resources, 2006 BS, Biology, 2000	Environmental impact statements, environmental assessments	15 years	Growth Inducement
Susan Lassell	BS, Environmental Design MA, Historic Preservation Planning	Cultural resources compliance	27 years	Cultural Resources Team Lead
Joyce Lodewick	BA, Journalism (three years completed)	Technical editing, proposal management	35 years	Administrative Record

Name	Education	Expertise	Experience	Project Role
Christine McCrory	BA, Anthropology, German, 2002 MPhil, European Literature, 2006	Technical editing, publishing	19 years	Technical Editor
Alice McKee	BLA, Landscape Architecture, 1994 BA, English and Political Science, 1990	Habitat restoration planning and design	27 years	Aesthetics and Visual Resources
Maggie Messerschmidt	MPA, 2014 BA, Anthropology, 2005	Climate vulnerability and adaptation solutions	13 years	Climate Change
Chris Moelter	MEM, Environmental Tourism, 2003 BA, Zoology, 2001	Environmental assessments, environmental impact statements	17 years	Land Use
Stephanie Monzon	MA, English, 2000 BA, English, 1998	Editing and publishing	16 years	Technical Editor
David Nicholson	MC, Anthropology, 2004 BA, Political Science and Anthropology, 1995	Archaeology, GIS	28 years	Cultural Resources
Jennifer Neumann	BA, Communication Studies	Editing, administrative record	8 years	Technical Editor
Ingrid Norgaard	BA, Political Science, 1995	Communications, public outreach	24 years	Document Delivery
Jenna O'Neill	BA, English, 1996	Public outreach	26	Public Outreach, Administrative Record
Michelle Osborn	BA, Sociology	Communications, technology support	18 years	SharePoint Support
Erin Pace	BA, Geography, Environmental Policy, 2004	Environmental regulatory compliance, project coordination and management	15 years	Environmental Justice
Arin Phillips	BS, Environmental Science and Management, 2018	Wildlife biology	4 years	Terrestrial
Amy Poopatanapong	MS, Zoology, 2002 BS, Zoology, 1997	Wildlife biology, project management	19 years	Terrestrial
Robert Preston	PhD, Botany, 1990 MA, Botany, 1983 BA, Biological Sciences and Chemistry, 1981	Botanical surveys, wetlands delineations, wetlands permitting	30 years	Terrestrial Biological Resources
Beth Rodehorst	MS, Environmental Management	Climate resiliency	18 years	Climate Change
Jenifer Rogers	MA, Historic Preservation, 2018 BA, Anthropology, 2004	Architectural history and archaeology	21 years	Cultural Resources
Dan Schiff	BA, Geography, 2002	GIS, geospatial database design and management	17 years	GIS Support

Name	Education	Expertise	Experience	Project Role
Rebecca Sloan	MS, Environmental Studies, 2006 BS, Marine Science, 1995	Terrestrial and aquatic systems, conservation planning	17 years	Terrestrial
Tina Sorvari	BA, Anthropology, 2000	Project coordination, environmental document preparation, cultural resources	20 years	Hazards, Hazardous Materials and Wildfire
Tom Stewart	PhD, Geography, 1988 MS, Geography, 1981 BA, Geography, 1974	Energy and hydroelectric development, watershed analysis	45 years	Minerals
Darrin Trageser	MS, Atmospheric Sciences, 2014 BS, Atmospheric Sciences, 2009	Air quality, greenhouse gas analysis	7 years	Air Quality and Greenhouse Gases
Shilpa Trisal	MCP, Community Planning, 2002 BPlan, 2000	Land use and planning, demographics, community impact analysis	19 years	Environmental Justice
Danika Tsao	MS, Ecology, 2007 BS, Wildlife, Fish and Conservation Biology, 2000	Avian surveys, wildlife surveys, habitat assessments, special-status species surveys	22 years	Terrestrial
Sophie Unger	PhD, Aquatic Ecology and Fisheries	Fisheries biology	45 years	Fisheries and Aquatic Resources
Stephen Unyi	BA, History, 1999	Publications and ADA compliance	17 years	Production Support
Jason Volk	BS, Mechanical Engineering, 2000	Noise modeling and analysis, air quality modeling and analysis	20 years	Noise
Kristy Weber	MA, Geography, 2017 BS, Atmospheric Science, 2014 BS, Aerospace Engineering, 2014	Air quality and climate change	5 years	Air Quality and Greenhouse Gases
Rick Wilder	BS, Biology PhD, Biology	Fisheries biology	17 years	Fisheries and Aquatic Resources
Sara Wilson	BA, Classical Languages, 1994	Technical editing, publishing	25 years	Lead Editor
Laura Yoon	MS Candidate, Environmental Management BA, Environmental Studies, 2009	Air quality impact studies, conformity analysis, dispersion modeling	12 years	Air Quality and Greenhouse Gases

1 36.1.2 RBI Consulting, Inc.

Name	Education	Expertise	Experience	Project Role
Paul Bedore	MS, Environmental Earth Systems Science, 2009 MS, Natural Resources and Environmental Sciences, 2007 BS, Chemistry, 2005	Environmental fate and transport, water quality and water resources studies and impact assessments	15 years	Water Quality
Michelle Brown, PE	MS, Civil Engineering, 1996 BS, Civil Engineering, 1993	Water quality and water resources assessments related to CEQA compliance and NPDES permitting	25 years	Water Quality
Michael Bryan	PhD, Environmental Toxicology and Fisheries Biology, 1993 MS, Fisheries Biology, 1989 BS, Fisheries	Water quality, fisheries biology, aquatic toxicology research and CEQA/NEPA assessments	34 years	Water Quality
Ben Giudice	PhD, Environmental and Water Resources Engineering, 2012 MS, Environmental Engineering, 2007 BS, Civil Engineering, 2005	Water quality, environmental fate and transport, risk assessment, ecotoxicology	15 years	Water Quality
Cameron Irvine	MS, Ecotoxicology, 2003 BS, Biology, 1993	Water quality, ecotoxicology, pesticides and metals, fate and transport, ecological risk assessment	22 years	Water Quality
Dustin Lee	MS, Civil and Environmental Engineering, 2013 BS, Environmental Engineering, 2017	Water quality and water resources assessments related to CEQA compliance and NPDES permitting	3 years	Water Quality
Cyle Moon	MS, Engineering Science, Civil concentration, 2013 BS, Environmental Engineering, 2012	Water quality and water resources assessments related to CEQA compliance and NPDES permitting	8 years	Water Quality
Ellen Preece	PhD, Environmental and Natural Resource Sciences, 2015 MS, Natural Resource Science, 2010 BS, Environmental and Resource Economics, 2002	Water quality, harmful algal blooms, human health risk assessment, CEQA/NEPA assessments	15 years	Water Quality

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1 36.1.3 ESA

Name	Education	Expertise	Experience	Project Role
Brad Allen	BA, Geography, 1997	Geospatial analysis and cartography	25 years	Geospatial Analysis and Cartography, Compensatory Mitigation Plan
Ann Borgonovo	BS, Civil Engineering	Engineering design	30 years	Compensatory Mitigation Plan
Dave D. Davis, AICP	MS, Geography, 1998 BS, Geography, 1986	Visual impact assessment	33 years	Visual Impact Assessment
Melissa Denena	MS, Wildlife Ecology, 2002 BA, Biology, 1999	Mitigation planning/implementation	20 years	Compensatory Mitigation Plan
Emily Dorrance	BS, Environmental Policy Analysis and Planning, 2017	Environmental planning and wildlife ecology	4 years	Compensatory Mitigation Plan
Erich Fischer	BA, Biological Sciences, 1998	Regulatory permitting, compliance, mitigation	31 years	Principal in Charge
Chris Fitzer	MS, Environmental Planning, 2002	Fisheries & aquatic ecology	26 years	North Delta Diversion Fisheries Field Studies and Adaptive Management Plan
Daniel Huang	BS, Aquatic Biology, 2007 MESM, Environmental Science and Management, 2011	Natural resources management, aquatic, and terrestrial wildlife biology	10 years	Agricultural Resources Analysis
Isaac Swanson	MLA, University of California, Berkeley BS, City and Regional Planning, Urban Design Specialization	Landscape architecture, wetland design	8 years	Compensatory Mitigation Plan
Ramona Swenson	PhD, Integrative Biology, 1995 BA, Biology, 1986	Fish biology, ecological restoration, wetlands	26 years	Compensatory Mitigation Plan
Greg Weissman	MS, Engineering Science, 2012 BS, Civil Engineering, 2012	Engineering design	8 years	Compensatory Mitigation Plan

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3 36.1.4 Fehr & Peers

Name	Education	Expertise	Experience	Project Role
Fred Choa	MS, Civil Engineering, 1995 BS, Civil Engineering, 1992	Caltrans, CEQA, Transportation planning	20 years	Transportation

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1 **36.1.5 Stantec**

Name	Education	Expertise	Experience	Project Role
Andy Draper	PhD, Water Resources Engineering, 2001	System operation and modeling	37 years	System modeling and modeling appendix, consistency review
Gail Eaton	MS, Geochemistry, 1993	Combined technical and management expertise	21 years	Project Management
Heather Waldrop	BS, Environmental Studies, 1997	Water storage, conveyance, and permitting	21 years	Water supply and energy analysis
Kirby Gilbert	MS, Water and Natural Resources Geography, Recreation Resources Minor, 1982	Recreation	32 years	Recreation chapter and analysis
Puneet Khataavkar	PhD, Civil, Environmental and Sustainable Engineering, 2019	System operation, water resources modeling	4 years	Surface water, flood protection and water supply modeling, project management
Sarah Hamilton	MS, Civil Engineering, 2016	River temperature modeling	4 years	River temperature and egg mortality models
Stephen Pang	MS, Marine Science, 2018	Fisheries ecology, resource management, water resources	4 years	Surface water and flood protection analysis
Thomas Fitzhugh	MS, GIS and Remote Sensing, 1999	System operation and modeling	25 years	System modeling and modeling appendix, consistency review for surface water and water supply chapters
William Smith	BS, Forest Engineering, 1976	System operation, water quality, system power operation	42 years	System modeling post-processing, surface water, water supply, temperature, egg mortality, energy modeling and analysis
Yung-Hsin Sun	PhD, Civil and Environmental Engineering, 1994	System operation, water resource modeling, hydraulic modeling, flood management, water resources and water rights	34 years	Subconsultant contract manager, surface water, water supply, flood, energy, system modeling, hydraulic studies review

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3 **36.1.6 ERA Economics, LLC**

Name	Education	Expertise	Experience	Project Role
Stephen Hatchett	PhD, Agricultural Economics, 1984 MA, Administration, 1980 BS, Forestry, 1977	Regulatory compliance, economics, water projects & transfers	35 years	Project manager, author
Harry Ferdon	MS, Agribusiness, 2016 BA, Economics-Mathematics, 2011	Regulatory compliance, economics, water projects & transfers	4 years	Analyst, author

Name	Education	Expertise	Experience	Project Role
Brooks Ronspies	MS, Agricultural Economics, 2019 BS, Natural Resource and Environmental Economics, 2017	Regulatory compliance, economics, water projects & transfers	3 years	Analyst

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2 36.1.7 Woodard & Curran

Name	Education	Expertise	Experience	Project Role
Saqib Najmus	PhD, Civil Engineering, 1990	Integrated surface water- groundwater modeling	31 years	Groundwater modeling and impact analysis
Leslie Dumas	MS, Civil & Environmental Engineering, 1986	Hydrogeology, water resources planning, environmental permitting	30 years	Groundwater impacts
Reza Namvar	PhD, Civil & Environmental Engineering, 1993	Integrated surface water- groundwater modeling	29 years	Groundwater modeling and impact analysis
Josh Uecker	MS, Environmental Science, Policy, and Management, 2010	Environmental science, water resources planning,	11 years	Groundwater impacts
Frank Qian	MS, Civil & Environmental Engineering, 2014	Integrated surface water- groundwater modeling	7 years	Groundwater modeling and impact analysis
Andres Diaz	PhD, Civil & Environmental Engineering, 2019	Integrated surface water- groundwater modeling	2 years	Groundwater modeling and impact analysis
Mesut Cayar	PhD, Civil & Environmental Engineering, 2008	Integrated surface water- groundwater modeling	13 years	GW modeling and review
Sercan Ceyhan	PhD, Civil & Environmental Engineering, 2016	Integrated surface water- groundwater modeling	4 years	Data preparation and GW modeling
Natalie Cochran	MS, Environmental Science, 2016	Water resources planning, funding, grants	5 years	Groundwater impacts
Jennifer Kidson	MS, Environmental Science, Policy, and Management, 2016	Environmental science, water resources planning,	5 years	Groundwater impacts
David Liu	MS, Civil & Environmental Engineering, 2013	Data preparation	7 years	Data preparation and GW modeling
Jingnan Zhou	MS, Environmental Engineering, 2015	Integrated surface water- groundwater modeling	6 years	Data preparation and GW modeling

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4 36.2 Reviewers by Affiliation

5 The tables in this section include the reviewer information provided by each agency or consultant for
6 the purposes of this chapter.

1 36.2.1 California Department of Water Resources

Name	Expertise
Bayan Ahmed	Environmental Scientist
Jessica Barnes	Senior Environmental Scientist (Supervisor)
Connor Block	Senior Environmental Scientist (Specialist)
Carolyn Buckman	Assistant Deputy Director
Stephanie Chun	Senior Environmental Scientist (Specialist)
Kevin Clark	Environmental Program Manager I (Supervisor)
Clay DeLong	Senior Environmental Scientist (Specialist)
Jesse Dillon	Supervising Engineer, Water Resources
Maifiny Foley	Senior Hydroelectric Power Utility Engineer (Specialist)
Christopher Geach	Senior Environmental Scientist (Supervisor)
Teak Hahn	Environmental Scientist
Lesley Hamamoto	Program Manager I
Darryl Hayes	Supervising Engineer, Water Resources
Sarah Heffner	Environmental Scientist
Jeff Jenkins	Environmental Scientist
Gardner Jones	Program Manager II
Nicole Kwan	Senior Environmental Scientist (Supervisor)
Sierra Mabanta	Environmental Scientist
Katherine Marquez	Program Manager III
Zoltan Matica	Environmental Scientist
Leah McNearney	Environmental Program Manager I
Anthony Meyers	Executive Director Delta Conveyance Office
Parviz Nader-Tehrani	Supervising Engineer, Water Resources
Peter Nelson	Senior Environmental Scientist (Specialist)
Praba Pirabarooban	Principal Engineer, Water Resources
Kevin Reece	Senior Environmental Scientist (Specialist)
Kristina A. Reese	Environmental Program Manager I
Andrew Schwarz	Supervising Engineer, Water Resources
Alicia Seesholtz	Senior Environmental Scientist (Specialist)
Arasan Singanayaham	Senior Engineer, Water Resources
Amardeep Singh	Principal Engineer, Water Resources
Nadine Small	Environmental Scientist
Shelbie Spencer	Environmental Scientist
Derek Stewart	Supervising Hydroelectric Power Utility Engineer
Jane Van Susteren	Environmental Scientist
Jordi Vasquez	Environmental Scientist
Jacqueline Wait	Senior Environmental Scientist (Supervisor)
Veronica Wunderlich	Senior Environmental Scientist (Specialist)
Marcus Yee	Program Manager III
Sarah Zorn	Senior Environmental Scientist (Specialist)

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1 **36.2.2 Delta Conveyance Design and Construction Authority**

2 Project engineering information was provided by the Delta Conveyance Design and Construction
3 Authority. Individuals with the responsible charge for preparation of the information referenced in
4 this environmental document are indicated in the applicable documents listed as the references.