

38. List of Preparers and Contributors

38.1 Introduction

This Draft Environmental Impact Report/Environmental Impact Statement (EIR/EIS) was prepared by the Sites Project Authority (Authority) and the Bureau of Reclamation (Reclamation). The following individuals led the effort from those agencies:

California Environmental Quality Act (CEQA) Lead Agency (Authority):

- Jim Watson (General Manager)

National Environmental Policy Act (NEPA) Lead Agency (Reclamation):

- Michael Dietl (Project Manager)

Much of the text included in the chapters in this Draft EIR/EIS were prepared in previous versions of the document, including, most recently, the version of the Preliminary Administrative Draft EIR/EIS completed in December 2013 and posted to the California Department of Water Resources’ (DWR’s) website in May 2014. The tables in Section 38.2 list the people who prepared various sections of the Draft EIR/EIS and/or background materials, or conducted reviews of materials for the Draft EIR/EIS. Meanwhile, the tables in Section 38.3 list those who contributed to the 2013 Preliminary Administrative Draft EIR/EIS which was used as the starting point for this revised Draft EIR/EIS. This chapter is consistent with the requirements set forth in CEQA and NEPA (Section 15129 of the State *CEQA Guidelines* and 40 CFR 1502.17), respectively.

38.2 Contributors to the Draft EIR/EIS

The tables presented in Sections 38.2.1-4 document the local, State, Federal, and consultant staff who contributed to the preparation of this Draft EIR/EIS.

38.2.1 Local

The CEQA lead agency, the Authority, consists of the following organizations: Glenn-Colusa Irrigation District, Maxwell Irrigation District, Reclamation District 108, Tehama-Colusa Canal Authority, County of Glenn, County of Colusa, and Yolo Flood Control and Water Conservation District. Table 38-1 lists the staff from those organizations who contributed to the preparation of the Draft EIR/EIS.

**Table 38-1
Sites Project Authority Staff Contributors to the Draft EIR/EIS**

Contribution	Name	Organization	Title	Qualifications	Years of Experience
Document Review, Consultation and Coordination	Jim Watson*	Sites Project Authority	General Manager	B.S. Civil and Structural Engineering	36
Document Review, Consultation and Coordination	Lewis Bair*	Reclamation District 108	General Manager	B.S. Agricultural Engineering; Licensed Civil Engineer	21

Contribution	Name	Organization	Title	Qualifications	Years of Experience
Document Review, Consultation and Coordination	Thaddeus Bettner*	Glenn-Colusa Irrigation District	General Manager	B.S. Agricultural Engineering; Licensed Civil Engineer	25
Document Review, Consultation and Coordination	Tim O'Halloran*	Yolo Flood Control and Water Conservation District	General Manager	B.S. Agricultural Engineering	24
Document Review, Consultation and Coordination	Daniel Ruiz*	Maxwell Irrigation District	General Manager	B.S. Business Administration: Accountancy	7
Document Review, Consultation and Coordination	Jeffrey Sutton*	Tehama-Colusa Canal Authority	General Manager	B.S. Economics, J.D.; Member of California State Bar	19

*Indicates chapter/document reviewer

38.2.2 State

DWR was previously the CEQA Lead Agency on the Sites Reservoir Project (Project). At the time of the completion and public release of the Preliminary Administrative Draft EIR/EIS, Amy Lyons was DWR's Project Manager for the Project. For the 2017 Draft EIR/EIS, Amy Lyons provided review for the chapters identified in Table 38-2.

**Table 38-2
California Department of Water Resources Staff Contributors to the Draft EIR/EIS**

Contribution	Name	Title	Qualifications	Years of Experience
Introduction; Alternatives Analysis; Description of the Sites Reservoir Project Alternatives; Environmental Compliance and Permitting Summary; Guide to the Resource Analysis; Surface Water Resources; Fluvial Geomorphology and Riparian Habitat; Flood Control and Management; Groundwater Resources; Groundwater Quality; Botanical Resources; Terrestrial Biological Resources; Wetlands and Other Waters; Geology, Minerals, Soils, and Paleontology; Cultural/Tribal Cultural Resources; Indian Trust Assets; Land Use; Recreation Resources; Environmental Justice; Air Quality; Navigation, Transportation, and Traffic; Noise; Public Health and Environmental Hazards; Public Services and Utilities; Visual Resources	Amy Lyons*	Senior Environmental Scientist (Specialist)	B.S. Biological Sciences; M.S. Biological Sciences	18

*Indicates chapter/document reviewer

38.2.3 Federal

Tables 38-3 and 38-4 list the staff from Reclamation and U.S. Fish and Wildlife Service, respectively, who contributed to the preparation of this Draft EIR/EIS.

**Table 38-3
Bureau of Reclamation Staff Contributors to the Draft EIR/EIS**

Contribution	Name	Title	Qualifications	Years of Experience
Introduction	Michael Dietl*	Project Manager	B.S. Fisheries	19
	Elwood Raley*	Regional Water Quality Coordinator	M.S. Hydrogeology	32
Description of the Sites Reservoir Project Alternatives	Michael Dietl*	Project Manager	B.S. Fisheries	19
Environmental Compliance and Permitting Summary	Michael Dietl*	Project Manager	B.S. Fisheries	19
Guide to the Resource Analysis	Michael Dietl*	Project Manager	B.S. Fisheries	19
Surface Water Resources	Nathaniel Martin*	Natural Resources Specialist	B.S. Environmental Studies, M.S. Public Administration	16
	Elwood Raley*	Regional Water Quality Coordinator	M.S. Hydrogeology	32
Surface Water Quality	Nathaniel Martin*	Natural Resources Specialist	B.S. Environmental Studies, M.S. Public Administration	16
	Elwood Raley*	Regional Water Quality Coordinator	M.S. Hydrogeology	32
Fluvial Geomorphology and Riparian Habitat	Nathaniel Martin*	Natural Resources Specialist	B.S. Environmental Studies, M.S. Public Administration	16
	Andrea Meier*	Natural Resources Specialist	B.S. Environmental Toxicology; M.A. Public Policy and Administration	15
Flood Control and Management	Nathaniel Martin*	Natural Resources Specialist	B.S. Environmental Studies, M.S. Public Administration	16
Groundwater Resources	Nathaniel Martin*	Natural Resources Specialist	B.S. Environmental Studies, M.S. Public Administration	16
	Elwood Raley*	Regional Water Quality Coordinator	M.S. Hydrogeology	32
	David O'Connor*	Water Resources Modeler (Hydrologist)	B.A. Geology, M.S. Earth Sciences	27
Groundwater Quality	Elwood Raley*	Regional Water Quality Coordinator	M.S. Hydrogeology	32
	Nathaniel Martin*	Natural Resources Specialist	B.S. Environmental Studies, M.S. Public Administration	16
Aquatic Biological Resources	Andrea Meier*	Natural Resources Specialist	B.S. Environmental Toxicology; M.A. Public Policy and Administration	15
	Towns Burgess*	Fish Biologist	B.S. Biological Oceanography, M.S. Fisheries and Aquatic Sciences, Ph.D. Fisheries and Aquatic Sciences	15
Botanical Resources	Andrea Meier*	Natural Resources Specialist	B.S. Environmental Toxicology; M.A. Public Policy and Administration	9
Terrestrial Biological Resources	Doug Kleinsmith*	Natural Resources Specialist	M.S. Biology	35

Contribution	Name	Title	Qualifications	Years of Experience
Wetlands and Other Waters	Andrea Meier*	Natural Resources Specialist	B.S. Environmental Toxicology; M.A. Public Policy and Administration	15
Geology, Minerals, Soils, and Paleontology	Joel Sturm*	Geologist	B.S. Geology; M.S. Geotechnical Engineering; Professional Geologist; Certified Engineering Geologist	41
	Jamie LeFevre*	Natural Resources Specialist	B.S. Biological Sciences	10
Faults and Seismicity	Joel Sturm*	Geologist	B.S. Geology; M.S. Geotechnical Engineering; Professional Geologist; Certified Engineering Geologist	41
Cultural/Tribal Cultural Resources	Laureen Perry*	Mid-Pacific Regional Archaeologist	M.A. Anthropology (Archaeology Emphasis)	27
Indian Trust Assets	Kevin Clancy	Native American Affairs Program Manager	Experience in water development and quality projects, drought planning, and restoration projects	11
Land Use	Jamie LeFevre*	Natural Resources Specialist	B.S. Biological Sciences	10
Recreation Resources	Andrew Burrows*	Mid-Pacific Regional Outdoor Recreation Planner	B.A. Recreation Management	15
Socioeconomics	Nathaniel Martin*	Natural Resources Specialist	B.S. Environmental Studies, M.S. Public Administration	16
Environmental Justice	Andrea Meier*	Natural Resources Specialist	B.S. Environmental Toxicology; M.A. Public Policy and Administration	15
Air Quality	Jamie LeFevre*	Natural Resources Specialist	B.S. Biological Sciences	10
Climate Change and Greenhouse Gases	Kirk Nelson*	Regional Climate Change Coordinator	B.S. Agricultural Science; M.S. Hydrology; Ph.D. Hydrologic Science	37
	Michael Tansey*	Natural Resources Specialist	B.S. Chemistry	14
Navigation, Transportation, and Traffic	Alex Woodward*	Natural Resources Specialist	B.A. Environmental Studies	4
	Jamie LeFevre*	Natural Resources Specialist	B.S. Biological Sciences	10
Noise	Andrea Meier*	Natural Resources Specialist	B.S. Environmental Toxicology; M.A. Public Policy and Administration	15
	Jamie LeFevre*	Natural Resources Specialist	B.S. Biological Sciences	10
Public Health and Environmental Hazards	Michael Dietl*	Project Manager	B.S. Fisheries	19
Power Production and Energy	Barry Mortimeyer*	Chief Power Operations Division	B.S. Electrical Engineering	42

*Indicates chapter/document reviewer

**Table 38-4
U.S. Fish and Wildlife Staff Contributors to the Draft EIR/EIS**

Contribution	Name	Title	Qualifications	Years of Experience
Description of the Sites Reservoir Project Alternatives, Environmental Compliance and Permitting Summary, Aquatic Biological Resources, Botanical Resources, Recreation Resources	Harry Kahler*	Fish and Wildlife Biologist	Not provided	Not provided

*Indicates chapter/document reviewer

38.2.4 Consultants

Provided below are the consultants who contributed to the preparation of this Draft EIR/EIS.

38.2.4.1 CH2M HILL

Table 38-5 lists the staff from CH2M HILL who contributed to the preparation of this Draft EIR/EIS.

**Table 38-5
CH2M HILL Staff Contributors to the Draft EIR/EIS**

Contribution	Name	Title	Qualifications	Years of Experience
Executive Summary	Gwendolyn Buchholz	Project Director	B.A. Physics; M.S. Civil Engineering	40
	Mark Oliver	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24
	Michelle Rather	Environmental Planner	B.A. Humanities/ Humanistic Studies	11
Introduction	Gwendolyn Buchholz	Project Director	B.A. Physics; M.S. Civil Engineering	40
	Mark Oliver	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24
	Jacqueline Todak	Environmental Planner	B.B.A. Global Operations Management; M.A. Environment and Natural Resources, International Studies	2
Alternatives Analysis	Gwendolyn Buchholz	Project Director	B.A. Physics; M.S. Civil Engineering	40
	Mark Oliver	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24
Description of the Sites Reservoir Project Alternatives	Lyna Black	Environmental Planner	B.S. Biology; M.S. Geosciences	19
	Gwendolyn Buchholz	Project Director	B.A. Physics; M.S. Civil Engineering	40
Environmental Compliance and Permitting Summary	Heather Waldrop	Environmental Planner	B.S. Environmental Studies - Hazardous Waste Management	16
	Mark Oliver	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24

Contribution	Name	Title	Qualifications	Years of Experience
Guide to the Resource Analysis	Gwendolyn Buchholz	Project Director	B.A. Physics; M.S. Civil Engineering	40
	Mark Oliver	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24
Surface Water Resources	Gwendolyn Buchholz	Project Director	B.A. Physics; M.S. Civil Engineering	40
	Heather Waldrop	Environmental Planner	B.S. Environmental Studies - Hazardous Waste Management	16
Surface Water Quality	Gwendolyn Buchholz	Project Director	B.A. Physics; M.S. Civil Engineering	40
Fluvial Geomorphology and Riparian Habitat	Gwendolyn Buchholz	Project Director	B.A. Physics; M.S. Civil Engineering	40
	Clare Kane	Planning Specialist Support	B.A. Environmental Studies	1
	Mark Oliver	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24
Flood Control and Management	John Schoonover	Environmental Planner	B.S. Environmental Science	13
	Jordan Vazquez	Water Resources Engineer	B.S. Civil Engineering	3
Groundwater Resources	Peter Lawson	Senior Hydrogeologist	B.S. Geology; M.S. Hydrology	27
	Heather Perry	Hydrogeologist	B.S. Geology; M.S. Hydrogeology	14
Groundwater Quality	Peter Lawson	Senior Hydrogeologist	B.S. Geology; M.S. Hydrology	27
	Heather Perry	Hydrogeologist	B.S. Geology; M.S. Hydrogeology	14
Aquatic Biological Resources	Neil Nikirk	Senior Biologist	B.S. Fisheries; M.S. Fisheries	21
	David Christophel	Senior Biologist	B.S. Biological Sciences; M.S. Biological Sciences	37
	David Julian	Water Resources Engineer	B.S. Civil and Environmental Engineering; M.S. Civil and Environmental Engineering	13
	Chad Whittington	Water Resources Engineer	B.S. Civil Engineering; M.S. Civil and Environmental Engineering	1
	Jacqueline Todak	Environmental Planner	B.B.A. Global Operations Management; M.A. Environment and Natural Resources, International Studies	2
	Clare Kane	Planning Specialist Support	B.A. Environmental Studies	1
Botanical Resources	Russ Huddleston	Senior Biologist	B.S. Biology; M.S. Ecology	20
	Lyna Black	Environmental Planner	B.S. Biology; M.S. Geosciences	19
Terrestrial Biological Resources	David Christophel	Senior Biologist	B.S. Biological Sciences; M.S. Biological Sciences	36
Wetlands and Other Waters	Russell Huddleston	Senior Biologist	B.S. Biology; M.S. Ecology	20

Contribution	Name	Title	Qualifications	Years of Experience
Geology, Minerals, Soils, and Paleontology	Mark Twede	Geotechnical Engineer	B.S. Civil Engineering; M.S. Geotechnical Engineering	23
	John Schoonover	Environmental Planner	B.S. Environmental Science	13
	Clare Kane	Planning Specialist Support	B.A. Environmental Studies	1
	James Verhoff*	Staff Paleontologist	B.S. Geology (specialization in Paleobiology)	5
Faults and Seismicity	Jacqueline Todak	Environmental Planner	B.B.A. Global Operations Management; M.A. Environment and Natural Resources, International Studies	2
Land Use	Heather Waldrop	Environmental Planner	B.S. Environmental Studies - Hazardous Waste Management	16
Recreation Resources	Mark Oliver*	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24
	Jacqueline Todak	Environmental Planner	B.B.A. Global Operations Management; M.A. Environment and Natural Resources, International Studies	1
Socioeconomics	Michelle Rather	Environmental Planner	B.A. Humanities/ Humanistic Studies	11
	Fatuma Yusuf	Senior Economist	B.S. Range Management; M.A. Agricultural Economics; M.S. Statistics; Ph.D. Agricultural Economics	19
Environmental Justice	Michelle Rather	Environmental Planner	B.A. Humanities/ Humanistic Studies	11
	Fatuma Yusuf	Senior Economist	B.S. Range Management; M.A. Agricultural Economics; M.S. Statistics; Ph.D. Agricultural Economics	19
Air Quality	Pamela Vanderbilt	Principal Professional	B.S. Biology; M.A. Biology	34
	Heather Waldrop	Environmental Planner	B.S. Environmental Studies - Hazardous Waste Management	16
	Elyse Engel	Staff Engineer	B.S. Chemical Engineer	9
Climate Change and Greenhouse Gases	Heather Waldrop	Environmental Planner	B.S. Environmental Studies - Hazardous Waste Management	16
	Pamela Vanderbilt	Principal Air Quality Scientist	B.S. Biology; M.A. Biology	34
	Brian Van Lienden	Climate Change Scientist	B.S. Civil and Environmental Engineering; M.S. Civil and Environmental Engineering	16

Contribution	Name	Title	Qualifications	Years of Experience
Navigation, Transportation, and Traffic	Jacqueline Todak	Environmental Planner	B.B.A. Global Operations Management; M.A. Environment and Natural Resources, International Studies	2
	Lisa Valdez*	Environmental Planner	B.A. Environmental Studies; M.C.R.P City and Regional Planning	18
	Mark Oliver*	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24
Noise	Jacqueline Todak	Environmental Planner	B.B.A. Global Operations Management; M.A. Environment and Natural Resources, International Studies	2
	Mark Bastasch*	Acoustical Engineer	B.S. Environmental Engineering; M.S. Environmental Engineering	18
Public Health and Environmental Hazards	Jacqueline Todak	Environmental Planner	B.B.A. Global Operations Management; M.A. Environment and Natural Resources, International Studies	1
	Mark Oliver*	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24
Public Services and Utilities	Jacqueline Todak	Environmental Planner	B.B.A. Global Operations Management; M.A. Environment and Natural Resources, International Studies	1
	Mark Oliver*	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24
Visual Resources	Jacqueline Todak	Environmental Planner	B.B.A. Global Operations Management; M.A. Environment and Natural Resources, International Studies	2
	Mark Greenig*	Principal Professional	B.S. Landscape Architecture; M.U.P. Urban Planning	26
	Heather Waldrop*	Environmental Planner	B.S. Environmental Studies - Hazardous Waste Management	16
Relationship between Short-term Uses and Long-term Productivity	Mark Oliver	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24
	Gwendolyn Buchholz	Project Director	B.A. Physics; M.S. Civil Engineering	40
Irreversible or Irretrievable Resource Commitments	Mark Oliver	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24
	Gwendolyn Buchholz	Project Director	B.A. Physics; M.S. Civil Engineering	40
Growth-inducing Impacts	Mark Oliver	Principal Project Manager	B.S. Environmental Policy Analysis and Planning	24
	Gwendolyn Buchholz	Project Director	B.A. Physics; M.S. Civil Engineering	40

Contribution	Name	Title	Qualifications	Years of Experience
Cumulative Impacts	Gwendolyn Buchholz	Project Director	B.A. Physics; M.S. Civil Engineering	40
Consultation and Coordination	Heather Waldrop	Environmental Planner	B.S. Environmental Studies - Hazardous Waste Management	16
List of Preparers	Jacqueline Todak	Environmental Planner	B.B.A. Global Operations Management; M.A. Environment and Natural Resources, International Studies	2
Modeling (Water Resources Engineering, Operations, Physical, Groundwater, Fisheries, and/or Economics)	Robert Leaf	Senior Project Manager	B.A. Forest and Resource Management; B.S. Civil Engineering; M.S. Water Resources Management	20
	Rob Tull	Senior Project Manager; Modeling Task Manager	B.S. Environmental Planning; M.S.E. Environmental Engineering - Water Resources Management	19
	Chandra Chilmakuri	Hydrologist	B.T. Civil Engineering; M.S. Civil and Environmental Engineering; Ph.D. Hydrodynamics and Environmental Modeling	14
	Daniel Dolmar	Hydrogeologist	B.S. Environmental Engineering; M.S. Groundwater Hydrology	15
	Kevin Kasberg	Economist	B.S. Environmental Studies/Economics; M.S. Agricultural and Resource Economics	7
	Chakri Malakpet	Water Resources Engineer	B.S. Civil Engineering; M.S. Civil Engineering	9
	Steven Micko	Water Resources Engineer	B.S. Civil and Environmental Engineering, M.S. Civil and Environmental Engineering	1.5
	Derya Sumer	Water Resources Engineer	B.S. Civil Engineering; M.S. Civil Engineering; Ph.D. Civil Engineering, Hydrology and Water Resources	13
	Reed Thayer	Water Resources Engineer	B.S. Civil Engineering; M.S. Civil and Environmental Engineering	2
	Jeremy Thomas	Hydrologist	B.A. Geography, Environmental Studies; MLA Environmental Planning	18
GIS and Graphics	Edward Douglas	GIS Professional	B.A. Geography	11
	Carol Montgomery	Graphic Designer	A.A. Graphic Design	17
	Julie Petersen	Environmental Planner	B.S. Biology	12

Contribution	Name	Title	Qualifications	Years of Experience
Editing and Document Processing	Celeste Brandt	Client Deliverables Professional	B.A. English	19
	Suzanne Christensen	Client Deliverables Professional	B.A. English	20
	Laura Holeman	Client Deliverables Support	A.A. Secretarial Science	35
	Austen Sandifer	Client Deliverables Professional	M.A. Religion & Society, B.A. English and Anthropology	17
	Allison Wallen	Client Deliverables Professional	B.A. Communications	32
	John Deaton	Client Deliverables Professional	B.S. Geography/Natural Resources Management	21
	Danielle MacDonald	Document Processor	B.A. English Literature	6
	Cheri Randall	Senior Document Processor	N/A	30
	Nancy Horrick	Senior Document Processor	N/A	23

*Indicates chapter/document reviewer

38.2.4.2 AECOM

Table 38-6 lists the staff from AECOM who contributed to the preparation of this Draft EIR/EIS.

**Table 38-6
AECOM Staff Contributors to the Draft EIR/EIS**

Contribution	Name	Title	Qualifications	Years of Experience
Description of the Sites Reservoir Project Alternatives	Jeff Herrin*	Water Resources Planner	M.S. Chemical Engineering	30
	Joseph Barnes*	Water Resources Engineer	B.S. Civil Engineering; P.E.	45
Faults and Seismicity	Judy Zachariasen	Senior Seismic Geologist	Ph.D., Geology	24
	Phillip Meymand*	Geo-Engineering Department Manager	M.S., Ph.D. Civil and Environmental Engineering, Geotechnical concentration	27
	Joseph Barnes*	Water Resources Engineer	B.S. Civil Engineering; P.E.	45
Socioeconomics	Nik Carlson	Senior Economist	M.A. Philosophy, Politics and Economics; M.P.P. Public Policy	25
	Guyton Durnin	Senior Economist	B.A. Economics, B.S. Civil Engineering, M.S. Environmental Engineering	11

*Indicates chapter/document reviewer

38.2.4.3 Horizon Water and Environment

Table 38-7 lists the staff from Horizon Water and Environment who contributed to the preparation of this Draft EIR/EIS.

Table 38-7
Horizon Water and Environment Staff Contributor to the Draft EIR/EIS

Contribution	Name	Title	Qualifications	Years of Experience
Cultural/Tribal Cultural Resources	Janis Offerman	Cultural Resources Practice Leader	B.A. Anthropology; M.A. Anthropology	40

38.3 Contributors to the Preliminary Administrative Draft EIR/EIS

As discussed in Section 38.1, the tables presented in Sections 38.3.1 through 38.3.4 document the local, State, Federal, and consultant staff who contributed to the preparation of the 2013 Preliminary Administrative Draft EIR/EIS, which was revised in the development of the 2017 Draft EIR/EIS.

38.3.1 State

During the development of the 2013 Preliminary Administrative Draft EIR/EIS, DWR was the CEQA Lead Agency for the Sites Reservoir Project, then called the North-of-Delta Offstream Storage Project. Table 38-8 lists the staff from DWR who contributed to the 2013 preparation of the Preliminary Administrative Draft EIR/EIS.

Table 38-8
California Department of Water Resources Staff Contributors to the Preliminary Administrative Draft EIR/EIS

Contribution^a	Name	Title	Qualifications	Years of Experience^b
Alternatives Analysis	Amy Lyons	Senior Environmental Scientist (Specialist)	B.S. Biological Sciences; M.S. Biological Sciences	18
Description of the Project/Action and Alternatives	Dave Bogener	Environmental Program Manager	B.A. Natural Science; M.A. Wildlife Resource Management and Planning	33
	Jenny Marr	Senior Engineer, Water Resources	B.S. Civil Engineering	10
	David Arrate	Senior Engineer, Water Resources	B.S. Civil Engineering	7
Environmental Compliance and Permitting Summary	Dave Bogener	Environmental Program Manager	B.A. Natural Science; M.A. Wildlife Resource Management and Planning	33
	Karen Dove	Environmental Scientist	B.S. Marine Biology; M.S. Environmental Management	1
Surface Water Resources	Julia Delphia	Engineer, Water Resources	B.S. Civil Engineering	26
	Karyn Heim	Engineer, Water Resources	B.S. English; B.S. Civil Engineering	10
	Todd Hillaire	Senior Engineer, Water Resources	B.S. Civil Engineering	22
Surface Water Quality	Scott McReynolds	Senior Environmental Scientist	B.S. Biological Science	15

Contribution^a	Name	Title	Qualifications	Years of Experience^b
Fluvial Geomorphology and Riparian Habitat	Koll Buer	Engineering Geologist	B.S. Geology; M.S. Geology	37
	Glen Pearson ^c	Engineering Geologist (Retired)	B.A. Geology	39
Flood Control and Management	Julia Delphia	Engineer, Water Resources	B.S. Civil Engineering	26
	Karyn Heim	Engineer, Water Resources	B.S. English; B.S. Civil Engineering	10
	Todd Hillaire	Senior Engineer, Water Resources	B.S. Civil Engineering	22
	Jenny Marr	Senior Engineer, Water Resources	B.S. Civil Engineering	10
Groundwater Resources	Glen Pearson ^c	Engineering Geologist (Retired)	B.A. Geology	39
	Debbie Spangler	Engineering Geologist	B.S. Geosciences; M.S. Geosciences (Hydrology/Hydrogeology)	12
Groundwater Quality	Perry LeBeouf	Environmental Scientist	B.S. Biology	16
Aquatic Biological Resources	Tom Boullion	Environmental Scientist	A.A. Biology; A.S. Experimental Statistics; B.S. Zoology; M.S. Zoology	35
	Josh Brown	Environmental Scientist	B.S. Range Ecology	5
	Aric Lester	Environmental Program Manager	B.S. Biological Conservation	15
Botanical Resources	Barbara Castro	Environmental Scientist	B.A. Biology; M.A. Environmental Planning; M.S. Botany	36
Terrestrial Biological Resources	Amy Lyons	Senior Environmental Scientist (Specialist)	B.S. Biological Sciences; M.S. Biological Sciences	18
Wetlands and Other Waters	Barbara Castro	Environmental Scientist	B.A. Biology; M.A. Environmental Planning; M.S. Botany	36
Geology, Minerals, Soils, and Paleontology	Jon Mulder	Engineering Geologist	B.A. Geology	30
Faults and Seismicity	Jon Mulder	Engineering Geologist	B.A. Geology	30
	Glen Pearson ^c	Engineering Geologist (Retired)	B.A. Geology	39
Cultural Resources	Tiffany Schmid	Associate Environmental Planner-Archaeology	M.A. Anthropology; R.P.A.	7
Recreation Resources	Margie Graham	Environmental Scientist	B.A. Geography and Planning; M.A. Geography	15
	Ralph Hinton	Environmental Program Manager (Retired)	B.A. Wildlife Conservation	51
Socioeconomics	Ray Hoagland ^c	Research Manager III (General)	B.A. Economics; B.A. Mathematics	36

Contribution ^a	Name	Title	Qualifications	Years of Experience ^b
Climate Change and Greenhouse Gases	Andrew Schwarz	Senior Engineer, Water Resources	B.S. Civil Engineering; M.S. Environmental Planning; Graduate Certificate in Water Policy	9
Public Health and Environmental Hazards	Kim Gazzaniga	Senior Environmental Scientist	B.S. Zoology	10
	Katherine Marquez	Environmental Scientist	B.S. Animal Biology; M.S. Biological Conservation	4
Public Services and Utilities	Millie Hocking Cowley-Crawford	Engineer, Water Resources	A.S. Environmental Engineering; B.S. Environmental Engineering	10
Power Production and Energy	Ghassan Alqaser	Senior Engineer, Specialist	Ph.D. Civil Engineering, Hydraulics	30
	David Arrate	Senior Engineer, Water Resources	B.S. Civil Engineering	7
	Andrew Schwarz ^c	Senior Engineer, Water Resources	B.S. Civil Engineering; M.S. Environmental Planning; Graduate Certificate in Water Policy	9
GIS and Graphics	Julia Delphia	Engineer, Water Resources	B.S. Civil Engineering	26
	Alison Groom	Research Analyst II (GIS)	B.S. Geography (Cartography); Special Studies Certification (GIS)	14

^aChapter titles reflect the version reviewed

^bYears of experience at the time of preparation of the 2013 Preliminary Administrative Draft EIR/EIS

^cIndicates chapter/document reviewer

38.3.2 Federal

Table 38-9 lists the staff from Reclamation who contributed to the preparation of the 2013 Preliminary Administrative Draft EIR/EIS.

**Table 38-9
Bureau of Reclamation Staff Contributors to the Preliminary Administrative Draft EIR/EIS**

Contribution ^a	Name	Title	Qualifications	Years of Experience ^b
Introduction	Carolyn Bragg ^c	Natural Resources Specialist	B.S. Earth Systems Science and Policy	5
Alternatives Analysis	Carolyn Bragg ^c	Natural Resources Specialist	B.S. Earth Systems Science and Policy	5
Environmental Compliance and Permitting Summary	Carolyn Bragg ^c	Natural Resources Specialist	B.S. Earth Systems Science and Policy	5
	Andrea Meier ^c	Natural Resources Specialist	B.S. Environmental Toxicology; M.A. Public Policy and Administration	9
Surface Water Resources	James Cornwell ^c	Hydraulic Engineer	B.S. Civil Engineering	33
	Tom Fitzhugh ^c	Water Resources Modeler	M.S. Environmental Monitoring	14
Surface Water Quality	Michael Mosley ^c	Physical Scientist	B.S. Geological and Environmental Science; M.E.S.M. Water Resources Management	5

Contribution^a	Name	Title	Qualifications	Years of Experience^b
Fluvial Geomorphology and Riparian Habitat	Lisa Fotherby ^c	Hydraulic Engineer	B.S. Civil Engineering; M.S. Civil Engineering; Ph.D. Civil Engineering	20
	Blair Greimann ^c	Hydraulic Engineer	B.S. Civil Engineering; M.S. Civil Engineering; Ph.D. Civil Engineering	13
	Victor Huang ^c	Hydraulic Engineer	B.S. Civil Engineering; M.S. Civil Engineering; Ph.D. Civil Engineering	11
Flood Control and Management	Alan Stroppini ^c	General Engineer	B.S. Civil Engineering; M.S. Civil Engineering	30
	Bonnie VanPelt ^c	Natural Resources Specialist	B.S. Biology/Ecology; M.S. Environmental Sciences	20
Groundwater Resources	George Matanga ^c	Hydraulic Engineer	B.S. Civil Engineering; M.S. Civil Engineering; Ph.D. Civil Engineering - Hydrology	35
Groundwater Quality	Michael Mosley ^c	Physical Scientist	B.S. Geological and Environmental Science; M.E.S.M. Water Resources Management	5
Aquatic Biological Resources	Lenny Grimaldo ^c	Fisheries Biologist	B.S. Wildlife and Fisheries Biology; M.S. Marine Biology; Ph.D. Ecology	18
	John Hannon ^c	Fisheries Biologist	B.S. Aquatic Ecology	22
	Tom Kisanuki ^c	Fish Biologist	B.S. Wildlife and Fisheries Biology; M.S. Natural Resources	32
	Bonnie VanPelt ^c	Natural Resources Specialist	B.S. Biology/Ecology; M.S. Environmental Sciences	20
Botanical Resources	Andrea Meier ^c	Natural Resources Specialist	B.S. Environmental Toxicology; M.A. Public Policy and Administration	9
Terrestrial Biological Resources	Shelly Hatleberg ^c	Natural Resources Specialist	B.S. Environmental Studies; M.S. Biology	19
Wetlands and Other Waters of the U.S.	Andrea Meier ^c	Natural Resources Specialist	B.S. Environmental Toxicology; M.A. Public Policy and Administration	9
Geology, Minerals, Soils, and Paleontology	Adam Nickels ^c	Archaeologist	B.S. Anthropology; M.S. Resource Management	15
	Joel Sturm ^c	Geologist	B.S. Geology; M.S. Geotechnical Engineering; Professional Geologist; Certified Engineering Geologist	37
Cultural Resources	Adam Nickels ^c	Archaeologist	B.S. Anthropology; M.S. Resource Management	15
Indian Trust Assets	Patricia Rivera	Native American Affairs Program Manager	B.A. Native American Studies; M.S. Native American Studies; J.D.	15
Land Use	Carolyn Bragg ^c	Natural Resources Specialist	B.S. Earth Systems Science and Policy	5
Recreation Resources	Scott Springer ^c	Outdoor Recreation Planner	B.S. Wildland Recreation Management	Not Provided

Contribution^a	Name	Title	Qualifications	Years of Experience^b
Socioeconomics	Susan Black ^c	Social Science Analyst	B.A. Economics	28
	Steve Piper ^c	Economist	B.S. Economics; M.S. Agricultural and Natural Resource Economics; Ph.D. Environmental Economics	27
	Omid Rowhani ^c	Economist	B.E. Economics; M.S. Agricultural and Resource Economics	4
	Bill Taylor ^c	Economist	B.S. Agricultural Economics; M.S. Agricultural Economics; Ph.D. Agricultural Economics	26
Environmental Justice	Susan Black ^c	Social Science Analyst	B.A. Economics	28
	Carolyn Bragg ^c	Natural Resources Specialist	B.S. Earth Systems Science and Policy	5
Air Quality	James Taylor ^c	Natural Resources Specialist	B.S. Chemistry	14
Climate Change and Greenhouse Gases	Michael Tansey ^c	Regional Climate Change Coordinator	B.S. Agricultural Science; M.S. Hydrology; Ph.D. Hydrologic Science	37
	James Taylor ^c	Natural Resources Specialist	B.S. Chemistry	14
Navigation, Transportation, and Traffic	Alex Aviles ^c	Student Assistant	B.A. Environmental Studies	1
	Bradley Hubbard ^c	Natural Resources Specialist	B.A. Environmental Studies	19
Noise	Carolyn Bragg ^c	Natural Resources Specialist	B.S. Earth Systems Science and Policy	5
Public Health and Environmental Hazards	Alex Aviles ^c	Student Assistant	B.A. Environmental Studies	1
Public Services and Utilities	Carolyn Bragg ^c	Natural Resources Specialist	B.S. Earth Systems Science and Policy	5
Visual Resources	Shelly Hatleberg ^c	Natural Resources Specialist	B.S. Environmental Studies; M.S. Biology	19
Power Production and Energy	James Cornwell ^c	Hydraulic Engineer	B.S. Civil Engineering	33
	Mary Johannis ^c	Deputy Regional Planning Officer	B.S. Civil Engineering	35
	Barry Mortimeyer ^c	Chief Power Operations Division	B.S. Electrical Engineering	38
Relationship between Short-term Uses and Long-term Productivity	Carolyn Bragg ^c	Natural Resources Specialist	B.S. Earth Systems Science and Policy	5
Irreversible or Irrecoverable Resource Commitments	Carolyn Bragg ^c	Natural Resources Specialist	B.S. Earth Systems Science and Policy	5
Growth-inducing Impacts	Andrea Meier ^c	Natural Resources Specialist	B.S. Environmental Toxicology; M.A. Public Policy and Administration	9

Contribution ^a	Name	Title	Qualifications	Years of Experience ^b
Cumulative Impacts	Andrea Meier ^c	Natural Resources Specialist	B.S. Environmental Toxicology; M.A. Public Policy and Administration	9
Consultation and Coordination	Carolyn Bragg ^c	Natural Resources Specialist	B.S. Earth Systems Science and Policy	5
	Elizabeth Vasquez ^c	Natural Resources Specialist	B.S. Biology; M.S. Environmental Science and Management	15
Modeling and Assumptions	Tom Fitzhugh ^c	Water Resources Modeler	M.S. Environmental Monitoring	14
	Russ Yaworsky ^c	Operations	B.S. Geological Science	33
California Water Rights	Bob Colella ^c	Water Rights Specialist	B.S. Electrical Engineering; M.B.A.; J.D.	12

^aChapter titles reflect the version reviewed

^bYears of experience at the time of preparation of the 2013 Preliminary Administrative Draft EIR/EIS

^cIndicates chapter/document reviewer

38.3.3 Local

Table 38-10 lists the staff from the organizations comprising the Authority who contributed to the preparation of the 2013 Preliminary Administrative Draft EIR/EIS.

**Table 38-10
Authority Staff Contributors to the 2013 Preliminary Administrative Draft EIR/EIS**

Contribution	Name	Organization	Title	Qualifications	Years of Experience ^b
Document Review, Consultation and Coordination	Lewis Bair ^a	Reclamation District 108	General Manager	B.S. Agricultural Engineering; Licensed Civil Engineer	18
Document Review, Consultation and Coordination	Thaddeus Bettner ^a	Glenn-Colusa Irrigation District	General Manager	B.S. Agricultural Engineering; Licensed Civil Engineer	22
Document Review, Consultation and Coordination	Tim O'Halloran ^a	Yolo Flood Control and Water Conservation District	General Manager	B.S. Agricultural Engineering	24
Document Review, Consultation and Coordination	Daniel Ruiz ^a	Maxwell Irrigation District	General Manager	B.S. Business Administration; Accountancy	7
Document Review, Consultation and Coordination	Jeffrey Sutton ^a	Tehama-Colusa Canal Authority	General Manager	B.S. Economics, J.D.; Member of California State Bar	14

^aIndicates chapter/document reviewer

^bYears of experience at the time of preparation of the 2013 Preliminary Administrative Draft EIR/EIS

38.3.4 Consultants

Table 38-11 lists the consultants from the eight firms who contributed to the preparation of the 2013 Preliminary Administrative Draft EIR/EIS.

**Table 38-11
Consultant Contributors to the 2013 Draft EIR/EIS**

Contribution^a	Name	Organization	Title	Qualifications	Years of Experience^b
Economics Modeling and Socioeconomics	Steve Pavich	Cardno ENTRIX	Senior Economist	B.A. Economics; M.S. Agricultural and Resource Economics	14
Executive Summary	Lisa Valdez	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.C.R.P City and Regional Planning	15
Introduction	Wendy Haydon	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.S. Recreation Administration	25
Description of the Project/Action and Alternatives	Robert Leaf, P.E.	CH2M HILL	Senior Project Manager; Modeling Task Manager	B.A. Forest and Resource Management; B.S. Civil Engineering; M.S. Water Resources Management	17
Guide to the Resource Analysis	Wendy Haydon	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.S. Recreation Administration	25
Geology, Minerals, Soils, and Paleontology	Geof Spaulding	CH2M HILL	Paleontological Resources Specialist	B.A. Anthropology; M.S., Ph.D. Paleobiology/ Paleocology	37
	James Verhoff	CH2M HILL	Staff Paleontologist	B.S. Geology - Paleobiology	1.5
Land Use	Wendy Haydon	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.S. Recreation Administration	25
	Titi Ala	CH2M HILL	Environmental Planner	B.A. Environmental Studies: Planning and Policy	1
	Harmony Gugino	CH2M HILL	Environmental Planner	B.S. Urban and Regional Analysis/Planning	1
	John Schoonover	CH2M HILL	Environmental Planner	B.S. Environmental Science	12
	Mieke Sheffield	CH2M HILL	Environmental Planner	B.S. Environmental Science; M.S. Environmental Science	7
Socioeconomics	Steve Hatchett	CH2M HILL	Senior Economist	B.S. Forestry; M.A. Environmental Administration; Ph.D. Agricultural Economics	30
	Stephen Layton	CH2M HILL	Environmental Planner	B.S. Environmental Science; M.L.A. Landscape Architecture	4
	Duncan MacEwan	CH2M HILL	Economist	B.S. Mathematical Economics and Economic Theory; M.S. Agricultural and Resource Economics; Ph.D. Economic Geography	5

Contribution^a	Name	Organization	Title	Qualifications	Years of Experience^b
	Fatuma Yusuf	CH2M HILL	Senior Economist	B.S. Range Management; M.A. Agricultural Economics; M.S. Statistics; Ph.D. Agricultural Economics	16
Environmental Justice	Wendy Haydon	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.S. Recreation Administration	25
	Jennifer Scholl	CH2M HILL	Environmental Scientist	B.A. Environmental Studies and International Relations	23
Air Quality	Amy Clymo	CH2M HILL	Air Quality Engineer	B.S. Environmental Toxicology; M.S. Civil and Environmental Engineering	10
	Elizabeth Storelli	CH2M HILL	Environmental Scientist	B.S. Environmental Science	3
	Pamela Vanderbilt	CH2M HILL	Air Quality Scientist	B.S. Biology; M.A. Biology	31
Navigation, Transportation, and Traffic	Maly-Ann Bory	CH2M HILL	Civil Engineer	M.S. Civil Engineering	5
	Deborah Dagang	CH2M HILL	Principal Project Manager	B.S. Civil Engineering; M.S. Civil Engineering (Infrastructure Planning and Management)	25
	Holly Dawley	CH2M HILL	Water Resources Engineer	B.S. Agricultural and Biosystems Engineering	13
	Grahm Satterwhite	CH2M HILL	Transportation Engineer	B.S. Civil Engineering	6
Noise	Mark Bastasch	CH2M HILL	Acoustical Engineer	B.S. Environmental Engineering; M.S. Environmental Engineering	15
	Louise Brown	CH2M HILL	Environmental Engineer	M.S. Environmental Science and Engineering	15
Public Health and Environmental Hazards	Wendy Haydon	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.S. Recreation Administration	25
	Sharon Karlesky	CH2M HILL	Environmental Engineer	B.S. Civil Engineering; M.S. Water Resources Engineering	6
Public Services and Utilities	Wendy Haydon	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.S. Recreation Administration	25
	Fatuma Yusuf	CH2M HILL	Senior Economist	B.S. Range Management; M.A. Agricultural Economics; M.S. Statistics; Ph.D. Agricultural Economics	16

Contribution^a	Name	Organization	Title	Qualifications	Years of Experience^b
Visual Resources	Jessica Golman	CH2M HILL	Environmental Planner	B.A. Psychology; M.S. Environmental Science and Management	2
	John Schoonover	CH2M HILL	Environmental Planner	B.S. Environmental Science	12
Power Production and Energy	Mathew Trask	CH2M HILL	Senior Project Manager	A.S. Engineering; B.A. Science Journalism	28
Relationship between Short-term Uses and Long-term Productivity	Wendy Haydon	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.S. Recreation Administration	25
Irreversible or Irretrievable Resource Commitments	Wendy Haydon	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.S. Recreation Administration	25
	Lisa Valdez	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.C.R.P City and Regional Planning	15
Growth-inducing Impacts	Wendy Haydon	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.S. Recreation Administration	25
	Gwendolyn Buchholz	CH2M HILL	Vice President	B.A. Physics; M.S. Civil Engineering	37
	Lisa Valdez	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.C.R.P City and Regional Planning	15
Cumulative Impacts	Gwendolyn Buchholz	CH2M HILL	Vice President	B.A. Physics; M.S. Civil Engineering	37
List of Preparers	Wendy Haydon	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.S. Recreation Administration	25
Modeling (Water Resources Engineering, Operations, Physical, Fisheries, and/or Economics)	Robert Leaf, P.E.	CH2M HILL	Senior Project Manager; Modeling Task Manager	B.A. Forest and Resource Management; B.S. Civil Engineering; M.S. Water Resources Management	17
	Lucas Bair	CH2M HILL	Resource Economist	B.A. Forestry; M.S. Agricultural and Resource Economics	12
	Chandra Chilmakuri	CH2M HILL	Water Resources Engineer	B. Tech. Civil Engineering; M.S. Civil and Environmental Engineering; Ph.D. Environmental Hydraulics	8
	Steve Hatchett	CH2M HILL	Senior Economist	B.S. Forestry; M.A. Environmental Administration; Ph.D. Agricultural Economics	30
	Chakri Malakpet	CH2M HILL	Water Resources Engineer	M.S. Civil Engineering	5.5

Contribution^a	Name	Organization	Title	Qualifications	Years of Experience^b
	Randy Ritzema	CH2M HILL	Associate Engineer	B.S. Mechanical Engineering; M.S. International Agriculture Development; M.S. Civil and Environmental Engineering; Ph.D. Biological Systems Engineering	12
	Ashraf Shaqadan	CH2M HILL	Water Staff Engineer	M.S. Biological and Irrigation Engineering; Ph.D. Water Resources Engineering	4
	Derya Sumer	CH2M HILL	Associate Engineer	B.S. Civil Engineering; M.S. Civil Engineering; Ph.D. Civil Engineering	5
	Brian Van Lienden	CH2M HILL	Water Resources Engineer	B.S. Civil & Environmental Engineering; M.S. Civil & Environmental Engineering	11
GIS and Graphics	Catherine Clark	CH2M HILL	Cultural Resource Specialist	M.S. Geography	3.5
	Tyson Daus	CH2M HILL	Graphic Designer	B.S. Graphic Design	12
	Raena DeMaris	CH2M HILL	GIS Specialist	B.A. Anthropology; GIS Certificate	13
	Jessica Golman	CH2M HILL	Environmental Planner	B.A. Psychology; M.S. Environmental Science and Management	2
Editing and Document Processing	Nancy Michaelis-Kerhlikar	CH2M HILL	Document Designer		21
	Heather Rand	CH2M HILL	Technical Editor	B.A. Spanish	15
Mitigation Monitoring Plan	Lisa Valdez	CH2M HILL	Environmental Planner	B.A. Environmental Studies; M.C.R.P City and Regional Planning	15
Fisheries Modeling	Paul Bergamn	Cramer Fish Sciences	Fisheries Biologist	B.S. Limnology, M.S. Fisheries	8
	Brad Cavallo	Cramer Fish Sciences	Senior Scientist	B.S. Fisheries Biology; M.S. Aquatic Ecology	17
	Steven Zeug	Cramer Fish Sciences	Fisheries Biologist	B.S. Fisheries Biology; Ph.D. Wildlife and Fisheries Sciences	10
Sacramento River Ecological Flows Tool (Sac EFT) Report	Clint Alexander	ESSA Technologies, Ltd.	Managing Partner/Team Leader	B.S. Applied Ecology; M.Sc. Resource and Environmental Management	15
	Frank Poulsen	ESSA Technologies, Ltd.	Quantitative Ecologist/ Programmer	M.S. Engineering - Environmental and Computer Science	9

Contribution^a	Name	Organization	Title	Qualifications	Years of Experience^b
	Don Robinson	ESSA Technologies, Ltd.	Senior Systems Ecologist	B.Sc. Zoology; M.Sc. Zoology	29
Aquatic Biological Resources	Jelica Arsenijevic	HDR, Inc.	Environmental Scientist II – Aquatic Resources	B.S. Environmental Biology/Ecology	8
	Heather Bowen	HDR, Inc.	Biologist I	B.S. Fishery Sciences	5
	Paul Bratovich	HDR, Inc.	Principal Scientist	B.S. Fisheries; M.S. Fisheries Resources	30
	Morgan Neal	HDR, Inc.	Biologist II	B.S. Fisheries Biology; M.S. Marine Affairs	6
	Jose Perez-Comas	HDR, Inc.	Senior Scientist	Sc.D. Fishery Sciences; M.S. Fishery Sciences; Ph.D. Fishery Sciences	34
	Adrian Pitts	HDR, Inc.	Senior Environmental Scientist	B.S. Biological Sciences	14
	Cristina Ramirez	HDR, Inc.	Environmental Scientist 1	B.S. Environmental Policy and Management	4
	Amanda Ransom	HDR, Inc.	Associate Environmental Planner	B.S. Environmental Policy/Planning	8
	Dianne Simodynes	HDR, Inc.	Senior Environmental Scientist	B.S. Biological Sciences; M.S. Aquatic Resource Management	18
Economics Modeling	Roger Mann	RMEcon	Principal	Ph.D. Agricultural Economics and Economics	34
Document Review: Sac EFT Report	Ryan Luster	The Nature Conservancy	Project Director-Sacramento River Project	B.A. Environmental Biology; M.S. Rangeland Ecology	17
Engineering	Joseph Barnes	URS	Water Resources Engineer	B.S. Civil Engineering; P.E.	41
Socioeconomics	Nik Carlson	URS	Senior Economist	M.A. Philosophy, Politics and Economics; M.P.P. Public Policy.	21
Cultural Resources	Janis Offermann	URS	Senior Cultural Resources Specialist	B.A. Anthropology; M.A. Anthropology	36

^aChapter titles reflect the version reviewed

^bYears of experience at the time of preparation of the 2013 Preliminary Administrative Draft EIR/EIS

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