

## 7 LIST OF PREPARERS

This chapter presents information on the preparers of the Glen Canyon Dam Long-Term Experimental and Management Plan (LTEMP) Environmental Impact Statement (EIS). The list of preparers is organized by agency or organization, and information is provided on education, experience, and contribution to the LTEMP EIS.

Name	Education/Experience	Contribution
<b>Bureau of Reclamation</b>		
Mary Barger	B.A., Anthropology; 36 years of federal archaeology and Section 106 experience. Upper Colorado Region/Archaeologist.	Reclamation lead for cultural and Tribal resources
Alan Butler	B.S./M.S., Civil Engineering; 6 years experience in civil engineering. Lower Colorado Region, Hydrologic Engineer.	Technical analyst and subject matter expert, reservoir operations and hydrology; reservoir modeling
Rick Clayton	B.S., Civil Engineering; B.S., Environmental Economics; 14 years experience in reservoir operations; 3 years experience in powerplant operations. Upper Colorado Region General Engineer.	Reclamation lead for power resource analysis; hydrology and reservoir modeling
Todd Gaston	M.S. Resource Economics; B.S. Environmental Science; 7 years experience in natural resources management and economics. Technical Service Center, Economics and Resource Planning Team.	Technical analyst and subject matter expert, socioeconomics, recreational economics
Katrina Grantz	Ph.D., Civil Engineering; 14 years experience in water resources research, hydrology, and decision support systems; 8 years experience in reservoir operations. Upper Colorado Region/Hydraulic Engineer.	Co-lead EIS project manager. Lead author of Section 4.2 (water resources) and Appendix D, technical lead for reservoir operations and hydrology; reservoir modeling
Dave Harpman	Ph.D., Natural Resource Economics; MSc., Agricultural Economics; BSc., Fisheries Management; 24 years experience. Technical Service Center Natural Resource Economist.	Technical lead for recreational economics; subject matter expert, socioeconomics
Beverley Heffernan	B.A., History; 30 years experience in NEPA compliance. Upper Colorado Region/Manager, Environmental Resources Division.	Project management and review

Name	Education/Experience	Contribution
Jianchun “Victor” Huang	Ph.D., Civil Engineering; 14 years experience in hydraulics and sediment transport. Technical Service Center, Sedimentation and River Hydraulics Group, Hydraulic Engineer.	Technical analyst and subject matter expert, sediment resources; sediment modeling
Glen Knowles	M.S., Zoology; 20 years experience in aquatic ecology, fisheries biology, and conservation biology. Upper Colorado Region/Chief, Adaptive Management Group, Biologist.	Project management and review
Jim Prairie	Ph.D., Civil Engineering; 15 years experience in water resources research, hydrology, and salinity modeling, and decision support systems. Upper Colorado Region/Hydrologic Engineer.	Technical analyst and subject matter expert, reservoir operations and hydrology, climate change; reservoir modeling, water quality modeling
Kendra Russell	M.S., Geography and Environmental Engineering; B.S. Civil and Environmental Engineering; 6 years experience in water resources engineering. Technical Service Center, Sedimentation and River Hydraulics; Hydraulic Engineer.	Project management and review; subject matter expert, sediment resources and modeling
David Varyu	M.S., Civil Engineering; 9 years experience in hydraulic engineering and sediment transport. Technical Service Center, Sedimentation and River Hydraulics Group; Hydraulic Engineer.	Lead author of sediment resources sections (Section 4.3, Appendix E); technical lead, sediment resources; sediment modeling
Nick Williams	B.S., Civil and Environmental Engineering; M.S., Civil and Environmental Engineering; 5 years as an environmental engineer; 5 years as a water quality specialist. Upper Colorado Region/Water Quality Specialist.	Technical analyst and lead for temperature and water quality modeling
<b>National Park Service</b>		
Jan Balsom	M.A., Anthropology; 32 years experience in southwestern archaeology, Tribal relations, and Park Management. Grand Canyon National Park Deputy Chief for Science and Resource Management.	Project management and review; lead author of park operations and management section (Appendix O); subject matter expert for Grand Canyon cultural and Tribal resources, park management, and wilderness, natural processes, and hydropower

Name	Education/Experience	Contribution
Robert Billerbeck	M.S., Conservation Biology; 18 years experience in Natural Resource Management and Environmental Compliance. Intermountain Region Colorado River Coordinator.	Co-lead EIS project manager
Martha Hahn	M.S., Recreation Behavior; 38 years experience in resources and public land management. Grand Canyon National Park/Chief, Science and Resource Management.	Project management and review; subject matter expert for ecological resources
Jennifer Rebenack	M.S., Fisheries Biology; 8 years experience in fisheries and wildlife ecology and environmental compliance. Intermountain Region Colorado River Program Biologist.	Project management assistant
<b>Argonne National Laboratory</b>		
Jennifer Abplanalp	M.A., Anthropology; 13 years experience in cultural resources and 2 years experience in visual impact assessments.	Contributing author of Tribal and visual resources sections (Sections 3.9, 3.12, 4.9, 4.12; Appendix I); subject matter expert, Tribal resources, cultural resources, and visual resources; records management
Timothy Allison	M.S., Mineral and Energy Resource Economics; M.A., Geography; 24 years experience in regional analysis and economic impact analysis.	Lead author of hydropower and socioeconomics sections (Sections 3.13, 3.14, 4.14; Appendix L); technical analyst and lead for socioeconomic and environmental justice
Georgia Anast	B.A., Mathematics/Biology; over 20 years experience in environmental assessment.	Comment processing; administrative record
Kevin J. Beckman	B.S., Mathematics and Computer Science; 5 years experience in Web programming and visual impact analysis.	Public website development
Ron Black	B.S., Electronics Engineering; 20 years experience in programming.	Technical analyst vegetation modeling
Edward Bodmer	M.B.A., Econometrics; B.S., Finance; 30 years experience in utility ratemaking and financial analysis.	Contributing author of retail rate sections (Section 4.13, Appendix K.3); technical lead for retail rate impact analysis

Name	Education/Experience	Contribution
Young Soo Chang	Ph.D., Chemical Engineering; 24 years experience in air quality and noise impact analysis.	Lead author of air quality and climate change sections (Sections 3.15, 3.16, 4.15, 4.16; Appendix M); technical lead for air quality
Vic Comello	M.S., Physics; 38 years writing and editing experience.	Contributing editor
Mary Finster	Ph.D., Civil and Environmental Engineering; 8 years experience in health risk assessment.	Lead author of water and sediment resource sections (Sections 3.2, 3.3), and water quality section (Section 4.2); technical lead for water quality; public comment processing, scoping
Jessica Griffin	M.S., Historical Archaeology; 3 years experience in cultural resources assessments.	Project management assistant
John Hayse	Ph.D., Zoology; 27 years experience in ecological research and environmental assessment.	Lead author of aquatic resource sections (Sections 3.5, 4.5; Appendix F); technical lead for aquatic ecology; lead technical analyst temperature suitability modeling
Ihor Hlohowskyj	Ph.D., Zoology; 37 years experience in ecological research; 35 years in environmental assessment.	Lead author of natural processes sections (Sections 3.4, 4.4); contributing author of aquatic resource sections (Sections 3.5, 4.5; Appendix F); technical lead for natural processes subject matter expert, native and nonnative fish
Pat Holloper	B.A., Religion; M.A., Philosophy; 30 years experience editing technical communication products.	Contributing editor
Mark Jusko	M.S., Computer Science; 34 years experience in software engineering.	Hydropower and power systems modeling and graphics
Kirk E. LaGory	Ph.D., Zoology; M.S., Environmental Science; 38 years experience in ecological research; 28 years in environmental assessment.	Argonne EIS project manager; lead author of introduction and alternatives sections (Chapters 1 and 2) and Appendices A and B; contributing author of water resources and wildlife sections (Sections 4.2, 4.7)

Name	Education/Experience	Contribution
James E. May	M.S., Water Resources Management; B.A., Zoology; 32 years experience in natural resources management; 11 years of consulting experience in land use planning and NEPA compliance.	Contributing author of recreation sections (Sections 3.10, 4.10); subject matter expert recreation, visitor use and experience
Michele Nelson	Graphic designer; 36 years experience in graphic design and technical illustration.	Graphics
Daniel O'Rourke	M.S., Industrial Archeology; B.A. History and Anthropology; 19 years experience in archaeology.	Lead author of cultural resources sections (Sections 3.8, 4.8; Appendix H); technical lead for cultural resources; subject matter expert, Tribal resources
Terri Patton	M.S., Geology; 26 years experience in environmental research and assessment.	Lead author of cumulative impacts section (Section 4.17); subject matter expert geology, soil, sediment resources, and cumulative impacts
Kurt Picel	Ph.D., Environmental Health Sciences; 35 years experience in environmental health analysis and 20 years in environmental assessment.	Argonne EIS project management; lead author of recreation and wilderness sections (Sections 3.10, 4.10; Appendix J); contributing author of air quality and climate change sections (Sections 4.15, 4.16; Appendix M); subject matter expert for recreation, visitor use and experience, and wilderness
Leslie Poch	M.S., Nuclear Engineering; 30 years experience in power systems analysis and hydropower modeling.	Lead author of hydropower sections (Section 4.13, Appendix K.1); technical lead, hydropower modeling and power systems analysis
Carolyn M. Steele	B.A., English; B.A., Rhetoric; 9 years experience in technical writing and editing.	Lead editor
Robert Sullivan	M.L.A., Landscape Architecture; 25 years experience in visual impact analysis and simulation; 13 years in website development.	Lead author of visual resources sections (Sections 3.12, 4.12); technical lead for visual resources
Jack C. Van Kuiken	M.S., Systems Science; 39 years experience in electrical power systems modeling, optimization, and analysis.	Technical analyst and subject matter expert, hydropower modeling and power systems analysis

Name	Education/Experience	Contribution
Robert Van Lonkhuyzen	B.A., Biology; 24 years experience in ecological research and environmental assessment.	Lead author of vegetation sections (Sections 3.6, 4.6; Appendix G); technical lead for vegetation
Bruce Verhaaren	M.A., Anthropology; Ph.D., Near Eastern Languages and Civilizations; 34 years experience in archaeological analysis; 24 years in environmental assessment and Tribal resources.	Lead author of Tribal resources sections (Sections 3.9, 4.9; Appendix I); technical lead for Tribal resources; subject matter expert, cultural resources; records management
Tom Veselka	M.S., Meteorology; 34 years experience in energy, power, and environmental systems modeling/optimization.	Contributing author of hydropower sections (Section 4.13; Appendix K.1); subject matter expert, hydropower modeling and power systems analysis
William S. Vinikour	M.S., Biology with environmental emphasis; 38 years experience in ecological research and environmental assessment.	Lead author food base (Sections 3.5, 4.5; Appendix F) and wildlife sections (Sections 3.7, 4.7); subject matter expert, aquatic food base and wildlife
Cory Weber	M.S., Operations Management and Information Systems; 9 years experience in research software and visualization development.	Technical analyst hydropower modeling
Kelsey Wuthrich	B.S., Civil and Environmental Engineering; 2 years experience in environmental science.	Technical analyst sediment, cultural, recreation, and water use modeling
Emily Zvolanek	B.A., Environmental Science; 6 years experience in GIS mapping.	GIS mapping and analysis
<b>U.S. Geological Survey</b>		
Barbara Ralston	Ph.D., Botany; 28 years experience in floristics and 20 years experience in southwestern riparian ecology.	Lead technical analyst vegetation modeling
Michael C. Runge	Ph.D., Wildlife Science; 16 years experience in decision analysis, wildlife population modeling, statistical analysis, and ESA consulting; 5 years experience in NEPA assessment.	Lead author structured decision analysis (Appendix C); project management and review; technical lead, structured decision analysis
Charles Yaackulic	Ph.D., Ecology and Evolution; Research Statistician.	Lead technical analyst humpback-chub trout modeling; subject matter expert, aquatic ecology, aquatic modeling

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Name	Education/Experience	Contribution
<b>U.S. Fish and Wildlife Service</b>		
Sarah Rinkevich	Ecological Services/Federal Tribal Liaison.	Federal Tribal Liaison
<b>Western Area Power Administration</b>		
S. Clayton Palmer	M.A., Economics; 30 years experience in hydropower generation analysis, environmental economics, and economic and financial analysis.	Contributing author of environmental justice section (Section 4.14) and lead author of electrical wholesale rate section (Appendix K.2); technical analyst and subject matter expert, hydropower modeling and power systems analysis
Thomas Hackett	B.S., Management/Computer Information Systems; 9 years experience in electricity rates and budget analyses.	Contributing author of electrical wholesale rate section (Appendix K.2); technical analyst hydropower modeling and power systems analysis

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