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Portland District



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# **WILLAMETTE VALLEY SYSTEM OPERATIONS AND MAINTENANCE**

## **FINAL ENVIRONMENTAL IMPACT STATEMENT**

### **CHAPTER 9      LIST OF PREPARERS**

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**Table 9-1. Final Environmental Impact Statement List of Preparers.**

Name	Title	Years of Experience	Professional Discipline and Expertise	Agency	EIS Areas Authored/Contributed
Kate M. Hawe	NEPA Subject Matter Expert	30	J.D., Law M.S., Forest Ecology B.S., Forest Management NEPA and Regulatory Compliance Forest and Upland Ecosystems Visual Resources, Recreation Resources Management	USACE	Lead NEPA Coordinator and compliance reviewer, assisted with various analyses, coordinated document development Author: Sections 3.22 (with Affected Environment assistance from DEIS contractor), 3.25, 3.26, 3.27, 3.28, 3.29, Chapters 6, 7 Co-author Chapters 1, 2; Section 3.14, Recreation Resources, several cumulative effects analyses
Jess T. Hamilton	Environmental Resource Specialist	10	B.S., Environmental Science Environmental Compliance	USACE	Co-author: Section 3.14, Recreation Resources, Affected Environment; Tech Lead/NEPA Assistant Lead to develop the EIS
Felicia R. August	Technical Writer-Editor	15	B.A., Education Technical Formatting Document Layout and Design Document Development Technical Editing	USACE	Document formatting, editing, e-NEPA file preparation
Jeffrey B. Ballantine	Hydraulic Engineer	14	B.S., Civil Engineering Hydraulics and Reservoir Operations	USACE	Co-author: Section 3.2; Section 4.2; Appendix B, Hydrologic Processes Co-Author: River Mechanics and Geomorphology, Affected Environment
Holly H. Bellringer	Biologist	17	M.S., Environmental Science B.S., Marine Biology Water Quality	USACE	Co-author: Section 3.5, Section 4.5, Appendix D, Water Quality

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Norman L. Buccola	Hydraulic Engineer	16	M.S., Civil and Environmental Engineering B.S., General Science Water Quality Modeling	USACE	Co-author: Section 3.5, Section 4.5, Appendix D, Water Quality Analysis
Molly R. Casperson	Archaeologist	21	Ph.D., Anthropology Archaeology	USACE	Author: Section 3.21, Section 4.5, Cultural Resources; Section 3.24, Section 4.24, Tribal Resources; Appendix O, and Tribal Coordination and Perspectives; Appendix T, Cultural Resources Effects Analysis
Keith B. Duffy	Hydrology and Hydraulics Engineer	26	B.S., Civil Engineering Hydrology and River Hydraulics /Climate Change	USACE	Author: Climate Change Appendices F1 and F2
Natalie R. Ehrlich	Civil Engineer Dam Safety	9	M.S., Civil Engineering, Geotechnical	USACE	Author: Appendix H, Dam Safety
Christopher A. Graham	Senior Water Resource Economist	21	B.A., Economics	USACE	Author: Appendix K, Recreation Analysis
David W. Griffith	Endangered Species Act Coordinator	21	B.A. Biology, M.S. Fisheries Resources; Endangered Species Act	USACE	Contributor: Section 3.8, Fish and Aquatic Habitat, Appendix E, Fish and Aquatic Habitat Analyses; ESA advisor
Lauryn Guyton-Moore	Economist/Social Science Analyst	5	B.S., Environmental Economics and Policy Risk Management Cost-benefit Analysis	USACE	Author: Section 3.11, Section 4.11, Socioeconomics
Megan K. Herod	Environmental Protection Specialist	8	B.S., Ecology for Environmental Science M.S., Aquatic Biology Wetland Science, Invasive Species, Aquatic Ecology, Wetland Delineation	USACE	Author: Section 3.6, Vegetation; Section 3.7, Wetlands; Section 3.9, Wildlife and Habitat, corresponding Chapter 4 sections
Nick Iraola	Environmental Scientist	13	M.Sc. Marine Science B.A. Environmental Studies	Solv (DEIS Contractor)	DEIS Appendix R, Visual Resources Inventory; FEIS 2022 data updates - Kellen A. Smith, USACE

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Kelly A. Janes	Senior Planner	12	M.L.A., Environmental Planning Civil Works NEPA Process, Environmental Compliance, and Plan Formulation	USACE	Author: Appendix A, Alternatives Development; Appendix P, Public Scoping Report
Tina M. Loucks-Jaret	Senior Editor	25	B.S., Botany and Environmental Studies M.S., Technical Communication Wetlands Science and Management Certification Technical Editing Technical Writing Writing Instructor Emphasis in Engineering, Environmental Regulations, Environmental Science	USACE	Lead technical editor, reference/citation management, format assistance
Christopher J. Nygaard	Hydraulic Engineer	22	B.S., Civil Engineering River Hydraulics and Sediment Processes	USACE	Co-author: Appendix C, River Mechanics and Geomorphology
Jason L. Owens	Environmental Compliance Coordinator	10	B.S., Environmental Science	USACE	Author: Section 3.16, Section 4.16, Hazardous Materials; Section 3.18, Section 4.18, Hazardous, Radioactive, Toxic Materials
Michele L. Palmer	Environmental Protection Specialist	30	M.S., Biology Fish and Aquatic Habitat and Ecology Senior NEPA Expert Senior ESA Expert	USACE	Author: Section 3.10, Section 4.10, Appendix U, Air Quality and Greenhouse Gas Emissions Co-author, Section 3.8, Appendix E, Fish and Aquatic Habitat

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Richard M. Piaskowski	Fish Biologist	26	M.S., Fish Ecology and Management B.S., Fisheries Sciences Senior Fisheries Biologist Pacific Northwest Fish Ecology Movements and Behavior Effects of Dams and Land Use Practices Emphasis on ESA-listed Fish	USACE	Lead Author: Section 3.8, Section 4.8, Appendix E, Fish and Aquatic Habitat
Josh E. Roach	Hydrologic Engineer	6	B.S., Civil Engineering Reservoir Operations Modeling and Hydrologic Analysis	USACE	Co-author: Section 3.2, Section 4.2, Appendix B, Hydrologic Processes
Margaret C. Ryan	Economist	15	B.S., Economics Hydropower Economics	USACE	Author: Section 3.12, Section 4.12, Power and Transmission
Michelle C. Sanders	Geologist	8	M.S., Geohydrology Levee Safety	USACE	Author: Section 3.4, Section 4.4, Geology and Soils; Appendix S, Bank Protection Structures
Kellen A. Smith	Environmental Protection Specialist	15	M.Sc., Environmental Science Botany, Water Ecology	USACE	Lead Author: Section 3.14, Section 4.14, Recreation Resources
Michael V. Snyder	Environmental Resources Specialist	25	M.S., Biological Sciences NEPA, Environmental Compliance, and Natural Resources Planning	USACE	Author: Adaptive Management Plan
Claire R. Stellmacher	Economist/Data Scientist	1.5	M.S., Applied Economics Cost-benefit Analysis Impact Evaluation	USACE	Author: Appendix I, Socioeconomics Analysis
Jeffrey G. Stewart	Biologist	30	B.S., Biological Sciences M.S., Biological Sciences	USACE	Author: Section 3.19, Section 4.19, Drinking Water
Kathryn L. Tackley	Physical Scientist	28	B.S., Physical Geography and Geology Water Quality	USACE	Author: Implementation Plan
Kathryn L. Warner	Environmental Engineer	26	M.S., Water Resources Management M.S., Civil Environmental Engineering B.A., Chemistry	USACE	Technical coordination and review Author: Section 3.13, Section 4.13, Appendix J, Water Supply Co-author: Chapters 1, 2