

Chapter 8

List of Preparers



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8.1 TVA Staff

contamination analysis, and hydro and fossil power plant engineering

D. Jane Awl

Position: Wetlands Biologist, Tennessee Valley Authority
Education: M.S., Ecology; B.S., Biology and Environmental Science
Background: 12 years of experience in wetlands assessment and delineation

Barry L. Barnard

Position: Specialist, Environmental Compliance Projects, Tennessee Valley Authority
Education: B.S., Chemical Engineering
Background: 32 years of experience in air pollution compliance engineering, permitting, and emissions monitoring

John T. Baxter, Jr.

Position: Aquatic Biologist, Tennessee Valley Authority
Education: M.S. and B.S., Zoology
Background: 12 years of experience in aquatic biology, 4 years of experience in environmental review

J. Mark Boggs

Position: Hydrologist, Tennessee Valley Authority
Education: M.S., Hydrology; B.S., Geophysics
Background: 29 years of experience in hydrologic investigation/analysis for environmental and engineering applications

Charles E. Bohac

Position: Water Supply Specialist, Tennessee Valley Authority
Education: Ph.D., M.S., and B.S., Civil Engineering
Background: 28 years of experience in water resource investigations, water quality analysis, waste treatment and disposal system design, groundwater supply and

Larry G. Bray

Position: Specialist, Navigation Economics, Tennessee Valley Authority
Education: M.A., Ph.D., Economics
Background: 27 years of experience as Economist with TVA, currently with the Navigation Program in River Operations

Gerald E. Brooks

Position: Production Cost Studies Specialist, Tennessee Valley Authority
Education: M.A.T., Physics; B.S., Mathematics
Background: 24 years of experience in TVA power resource planning (reliability and production cost studies); meteorologist in U.S. Air Force and TVA air quality program

David W. Burch

Position: Economist, Tennessee Valley Authority
Education: Ph.D., Food and Resource Economics; M.A. and B.A., Economics and Political Science
Background: 29 years of experience in economic analysis, financial feasibility analysis, modeling, forecasting, and teaching

Edward E. C. Clebsch

Position: Contract Botanist, Tennessee Valley Authority
Education: Ph.D., Botany and Soil Science; M.S., Botany and Zoology; A.B., Botany and Geology
Background: 40 years of experience in teaching and research, and serving as a consulting botanist and ecologist in the Southeastern United States

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Joseph L. Collins

Position: Senior Heritage Botanist,
Tennessee Valley Authority
Education: Ph.D., Plant Taxonomy; B.S.,
General Biology
Background: 26 years of experience in
environmental assessment and
NEPA compliance

Evan Robertson Crews

Position: Watershed Representative,
Resource Stewardship,
Tennessee Valley Authority
Education: M.S. and B.S., Environmental
Science; B.S., Geology
Background: 3 years of experience as aquatic
monitoring contractor to TVA; 3
years of experience in land
management and
watershed/water quality
improvement projects

Robert L Curtis, Jr.

Position: Shoreline Process Manager,
Tennessee Valley Authority
Education: M.S., Wildlife Science; B.S.,
Biology
Background: 30 years of experience in wildlife
management, reservoir land
planning, and reservoir shoreline
permitting

Chrisman A. Dager

Position: Navigation Economist, Tennessee
Valley Authority
Education: B.S. Business Administration,
M.B.A. Transportation
Background: 30 years of experience in
transportation planning and
operations, with the past 9 years
at TVA in Navigation Economic
Analysis

Melvin B. Dean

Position: Computer Technician–GIS,
Tennessee Valley Authority
Education: A.S., Civil Engineering
Technology
Background: 23 years of experience in mapping
and GIS work

Bridget Donaldson

Position: Terrestrial Zoologist Contractor,
Resource Stewardship,
Tennessee Valley Authority
Education: M.S., Ecology and Evolutionary
Biology; B.A., Ecological,
Populational, and Organismic
Biology
Background: 8 years of experience in field
biology; 2 years of experience in
writing terrestrial zoology input for
environmental reviews

Laura M. Duncan

Position: Watershed Representative,
Tennessee Valley Authority
Education: M.S., Urban and Regional
Planning (minor in Environmental
Policy); B.S., Biology and Marine
Science (double major)
Background: 10 years of experience in water
resources field, with 5 years
focused on watershed planning

Don L. Dycus

Position: Program Manager, Environmental
Policy and Strategy, Tennessee
Valley Authority
Education: M.S. and B.S., Zoology
Background: Over 30 years of experience in
monitoring and evaluating water
quality and aquatic biological
conditions on TVA reservoirs.

Michael Eiffe

Position: Civil Engineer, Tennessee Valley
Authority
Education: M.E. and B.S., Civil and
Environmental Engineering
Background: 23 years of experience in
hydrologic, hydraulic, and
environmental engineering

Charles B. Feagans, P.E.

Position: Senior Manager, Operations Management, Electric Systems Operation, Tennessee Valley Authority
Education: M.S., M.B.A., and B.S., Civil Engineering
Background: 23 years of experience in hydrogeneration studies and power operations

Nancy D. Fraley

Position: Natural Areas Coordinator, Resource Stewardship, Tennessee Valley Authority
Education: M.S., Botany
Background: 12 years of experience in terrestrial vegetation assessment, rare plant inventory, and environmental education; 6 years of experience in management of invasive exotic plants

R. Lee Fuller

Position: Risk Management Specialist, Tennessee Valley Authority
Education: M.S., Engineering; B.S., Biological Sciences; A.A., Engineering
Background: 7 years of experience in power plant operations; 6 years of experience in computer system design and maintenance for power system applications; 10 years of experience in industrial and power plant environmental regulations and control technologies; 3 years of experience in power system analysis and risk management

Kenneth D. Gardner

Position: Aquatic Biologist, Tennessee Valley Authority
Education: M.S., Wildlife and Fisheries Science; B.S., Wildlife and Fisheries Science
Background: 13 years of experience in environmental assessment

Sidney Eugene Gibson

Position: Manager, Water Supply and Special Projects, Tennessee Valley Authority
Education: B.S., Engineering Science and Mechanics
Background: 30 years of experience in engineering and integrated resource management

Juan E. Gonzalez

Position: Economic Forecasting Manager, Tennessee Valley Authority
Education: A.B.D. and M.A., Economics; B.A., Economics, Political Science, and Mathematics
Background: 30 years of experience in economic modeling, forecasting, and analysis relating to economic development, corporate and power resource planning, water resources and associated commerce, and environmental assessment

H. Morgan Goranflo, Jr., P.E.

Position: Manager, River Operations, Tennessee Valley Authority
Education: M.S. and B.S., Civil Engineering
Background: 30 years of experience in hydropower and reservoir system planning and operations

Ella Christina Guinn

Position: Natural Areas Contractor, Resource Stewardship, Tennessee Valley Authority
Education: M.S., Geography; B.A., Geography
Background: 9 years of experience in land use analysis, interpretation, and planning

James Hagerman

Position: Environmental Engineer, Tennessee Valley Authority
Education: B.S. and M.S., Agricultural Engineering; registered professional engineer
Background: 13 years of experience in nonpoint source pollution and water quality

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J. Hollis Hart, Jr.

Position: Risk Management Specialist,
Tennessee Valley Authority
Education: M.B.A., Finance; B.S., Electrical
Engineering
Background: 8 years of experience in electric
utility industry (electric system
operations, distribution project
management, commercial
marketing, and generation
resource planning)

Jason C. Hartsell

Position: Chemical Engineer, Tennessee
Valley Authority
Education: B.S., Chemical Engineering
Background: 2 years of experience in air quality
compliance, emissions
inventories, and power plant
permit applications

Travis Hill Henry

Position: Senior Terrestrial Zoologist,
Tennessee Valley Authority
Education: M.S., Zoology; B.S., Wildlife
Biology
Background: 12 years of experience in
environmental review and
zoological investigations

Gary D. Hickman

Position: Manager, Projects and Services,
Tennessee Valley Authority
Education: M.S. and B.S., Zoology
Background: 30 years of experience in aquatic
ecology, with emphasis on fish
community assessment and
development of indices to
measure environmental quality

Mark K. Hill

Position: Specialist, Production
Technology, Tennessee Valley
Authority
Education: B.S., Mechanical Engineering
Background: 20 years of experience in
electrical power generation
technology evaluation

John J. Jenkinson

Position: Senior Mollusk Biologist,
Tennessee Valley Authority
Education: Ph.D., M.S., and B.S., Zoology
Background: 24 years of experience in aquatic
life and aquatic endangered
species impact assessment

Donald L. Kachelman

Position: Chemical Engineer, Tennessee
Valley Authority
Education: B.S., Chemical Engineering
Background: 22 years of experience, including
10 years in air quality compliance,
emissions inventories, and permit
applications

Jimmie J. Kelsoe

Position: Environmental Scientist,
Tennessee Valley Authority
Education: B.S., Chemistry and Mathematics
Background: 25 years of experience in
agronomic research, including 6
years of experience in NEPA
reviews

Robin E. Kirsch

Position: Project Manager, Special Studies
Education: B.S. Mechanical Engineering
Background: 8 years of experience in nuclear
power plant engineering and 12
years of experience in reservoir
operations

M. Carolyn Koroa

Position: Geographic Analyst, Tennessee
Valley Authority
Education: B.A., M.S., Geography
Background: 13 years of experience as
Geographer and Spatial Analyst,
7 years at TVA with the
Navigation Program

Susan Lauver

Position: Senior Manager, Strategic
Communications, Tennessee
Valley Authority
Education: M.P.A., Public Administration;
B.S., Communications
Background: 24 years of experience in public
relations and public participation

Katherine F. Lindquist, P. E.

Position: Manager, Hydrothermal Team,
River Scheduling, Tennessee
Valley Authority
Education: M.S., Civil Engineering/
Environmental Hydraulics; B.S.,
Civil Engineering
Background: 24 years of experience in water
quality

Jack Don Lokey

Position: Environmental Engineer,
Tennessee Valley Authority
Education: M.S. and B.S., Chemical
Engineering
Background: 27 years of experience in
environmental engineering,
focused on air quality compliance,
emissions inventories, and permit
applications

Jason Michael Mitchell

Position: Contract Terrestrial Zoologist,
Resource Stewardship,
Tennessee Valley Authority
Education: M.P.A., Environmental Policy;
B.S., Wildlife and Fisheries
Science
Background: Natural resource management
with emphasis on endangered
species, including 3 years with
state wildlife agency and 6 years
performing zoological assessment
for federal land management
organizations

Jeffrey Wayne Munsey

Position: Civil Engineer (Dam Safety),
Tennessee Valley Authority
Education: M.S. and B.S., Geophysics
Background: 18 years of experience in
geophysical and geological
studies and investigations,
including applications to
environmental assessments

C. Michael Murphree

Position: Economist/Statistician, Tennessee
Valley Authority
Education: B.S. Statistics, M.A. Economics

Background: 34 years of experience with TVA
as Economist/Information
Systems Analyst/Programmer

Norris A. Nielsen

Position: Project Manager, Environmental
Technology, Tennessee Valley
Authority
Education: M.S. and B.S., Meteorology
Background: 30 years of experience in applied
meteorology, including input to
and review of NEPA documents

David T. Nye

Position: Project Manager, Reservoir
Operations Study
Education: B.S., Civil Engineering
Background: 30 years of experience in nuclear,
fossil, and hydropower design,
maintenance, and operations

William Oldland

Position: Medical Entomologist, Tennessee
Valley Authority
Education: M.S., Entomology; B.S., Wildlife
Biology
Background: 12 years of experience in
entomology

Esther Sullivan Parish

Position: Geographic Analyst, Tennessee
Valley Authority
Education: M.S., Geography; B.S., Geology
and Geophysics
Background: 8 years of experience in
geographic and environmental
data analysis

William J. Parkhurst

Position: Senior Specialist, Tennessee
Valley Authority
Education: M.S., Environmental Health; B.S.,
Biology/Earth Sciences
Background: 29 years of experience in air
quality monitoring, data analysis,
and air quality research

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Ralph M. Perhac, Jr.

Position: Economist, Tennessee Valley Authority
Education: Ph.D., Philosophy; M.B.A. and B.S., Economics
Background: 7 years of experience as an economist, 10 years of experience in environmental research and review

regional resources management training and environmental impact assessment

Ralph L. Porter, Jr.

Position: Landscape Architect–Principal, Tennessee Valley Authority
Education: B.L.A., Landscape Architecture
Background: 34 years of experience in land planning and site design for institutional, recreational, and industrial development, including 7 years in environmental review of visual and aesthetic resources

Peggy W. Shute

Position: Manager, Heritage Resources, Tennessee Valley Authority
Education: M.S., Zoology; B. A., Biology
Background: 16 years of experience in environmental review

Shandon N. Smith

Position: Atmospheric Analyst, Tennessee Valley Authority
Education: B.S., Professional Geography
Background: 1 year of experience in GIS mapping and processing involving spatial air quality information

William H. Redmond

Position: Manager, Resource Services, Tennessee Valley Authority
Education: Ph.D., M.S., and B.S., Zoology
Background: 28 years of experience as a professional zoologist; 23 years of experience in supervision and management

Ramona C. Sumner

Position: Risk Management Specialist, Tennessee Valley Authority
Education: M.B.A., and B.S., Mathematics
Background: 8 years of experience in risk management

Andrew J. Sanislo

Position: Risk Management Specialist, Tennessee Valley Authority
Education: M.B.A., Finance; M.E. and B.S., Nuclear Engineering
Background: 2 years of experience in power generation planning, financial analysis, and forecasting; 20 years of power industry experience in project management, nuclear core design, fuel engineering and manufacturing, and operations support; 6 years in the U.S. Air Force

Roger Tankersley, Jr.

Position: Senior Scientist/Geographer, Tennessee Valley Authority
Education: Ph.D., M.S., and B.S., Geography
Background: 11 years of experience in spatial environmental analyses, particularly biogeographic analyses

Linda B. Shipp

Position: Senior NEPA Specialist, River Operations
Education: Ph.D., Botany; M.S., Ecology
Background: 25 years of experience in environmental and integrated

Ken Tennesen

Position: Medical Entomologist, Tennessee Valley Authority (retired)
Education: Ph.D., M.S., and B.S., Entomology
Background: 27 years of experience in entomology, 17 years of experience in medical entomology

Lois I. Threlkeld

Position: Manager, Business Process Analysis, Tennessee Valley Authority
Education: M.S., Industrial Engineering; B.S., Civil Engineering; A.B., Chemistry
Background: 26 years of experience in engineering and business positions at TVA

Charles R. Tichy

Position: Historic Architect, Resource Stewardship, Tennessee Valley Authority
Education: B.S., Architecture; M.A., Historic Preservation
Background: 34 years of experience in historic preservation and restoration, and historic structures review under the National Historic Preservation Act

Christopher D. Ungate

Position: Manager, Generation Resource Planning, Tennessee Valley Authority
Education: M.B.A.; M.S. and B.S., Civil Engineering
Background: 4 years of experience in generation planning; 2 years of experience in hydro operations; 4 years of experience in reservoir operations planning; 5 years of experience in watershed management; 3 years of experience in corporate planning; and 10 years of experience in engineering testing and modeling

David H. Webb

Position: Biologist - Aquatic Plants, Tennessee Valley Authority
Education: Ph.D., Botany; M.S., Zoology; B.S., Biology
Background: 25 years of experience with TVA in aquatic plant management and support studies

Carolyn Leigh Wells

Position: Biologist/Botanist, Tennessee Valley Authority
Education: Ph.D., Botany; B.A., Biology
Background: 4 years of experience in managing sensitive botanical resources and preparing technical input to environmental review documents

Lucritia D. White

Position: Risk Management Specialist, Tennessee Valley Authority
Education: M.S., Engineering Management; B.S., Mechanical Engineering
Background: 12 years of experience in electric utility operations, including system dispatching, generation plan development, coal-fired operation, and maintenance processes

Joel E. Williams

Position: Assistant Project Manager, Reservoir Operations Study
Education: M.P.A., Public Administration; B.S., Geology
Background: 20 years of experience in remote sensing, land and shoreline management, and watershed restoration

Cassandra L. Wylie

Position: Project Manager, Environmental Technology, Tennessee Valley Authority
Education: M.S., Forestry and Statistics; B.S., Forestry
Background: 16 years of experience in atmospheric modeling and air quality analysis

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8.2 TVA Consultants

Todd M. Ahlman

Position: Archaeologist, The Louis Berger Group, River System Operations & Environment, Inc.
Education: Ph.D., M.A., and B.A., Anthropology
Background: 13 years of experience in archaeological resource management

Karen Argonza

Position: Production Manager/Technical Editor, ENTRIX, Inc.
Education: B.A., Journalism
Background: 16 years of experience in project coordination, technical writing, and project management

Robert Mathew Baumgartner

Position: Managing Consultant, PA Government Services, Inc.
Education: Ph.D., M.S., and B.S., Sociology
Background: 21 years of experience in social science research in the consulting industry

John C. Bergstrom

Position: Professor, The University of Georgia, Athens
Education: Ph.D. and M.S., Agricultural Economics; B.S., Resource Management
Background: 20 years of experience in applied research related to the economics of natural resource and environmental policy and management

David B. Blankenhorn, R.G.

Position: Senior Project Geologist/Engineer, ENTRIX, Inc.
Education: M.S., Civil Engineering; B.S., Applied Earth Science
Background: 8 years of experience in hydrogeology/hydrology

C. Shane Boring

Position: Environmental Scientist, Kleinschmidt Associates
Education: M.S., Ecology; B.S., Biology
Background: 5 years of experience at the academic research level on a wide range of wildlife and fisheries resource-related issues; 1 year of experience at the state regulatory level

Heather Ann Cabral

Position: GIS Analyst, Applied Geographics, Inc.
Education: B.S., Geography
Background: 3 years of experience using GIS, providing data analysis, data conversion, data development, and mapping for municipal services, environmental management issues, and transportation services

Lee E. Carbonneau

Position: Senior Scientist, Normandeau Associates, Inc.
Education: M.S., Wildlife Ecology; B.S., Forest Biology
Background: 21 years of experience in terrestrial and wetland inventory, assessment, and habitat restoration

Matthew D. Chan

Position: Senior Scientist, Normandeau Associates, Inc.
Education: Ph.D., Fisheries Science; M.S. and B.A., Biology
Background: 1 year of experience as fisheries biologist; 1 year of experience as senior scientist for aquatic resource studies, specializing in instream flow issues

Jon M. Christensen

Position: Senior Licensing Coordinator and Economist, Kleinschmidt Associates
Education: B.A., Economics
Background: 16 years of experience in economic and recreation studies and environmental assessments

Eileen F. Dessaso

Position: Senior Project Coordinator, ENTRIX, Inc.
Education: IPM Certification (in progress); CEQA, NEPA Workshops; Partial Degree, Library Science
Background: 10 years of experience in coordinating reservoir and hydroelectric facilities, transmission lines, natural gas pipelines, and power plant projects

Bruce A. DiGennaro

Position: Senior Planner, Kleinschmidt Associates
Education: B.S., Environmental Planning and Management
Background: 18 years of experience in recreation studies and analyses for water and energy projects

Erik Dilts

Position: Senior Staff Scientist, ENTRIX, Inc.
Education: M.S., Forest Resources (Fisheries Biology); B.S., Biology
Background: 3 years of experience in environmental resource reporting and NEPA documentation

Jennifer Q. Dow

Position: Licensing Coordinator, Kleinschmidt Associates
Education: B.S., Business Management; A.S., Legal Secretarial
Background: General administrative and legislative research

Patrick Fairbairn

Position: Natural Resources Planner, Normandeau Associates, Inc.

Education: Ph.D., Wildlife/Natural Resource Planning; M.A., English; B.A., General Studies

Background: 31 years of experience in natural resource planning and studies of the ecology of North American biota

Albert S. Garlo

Position: Senior Wetland Scientist, Normandeau Associates, Inc.
Education: M.S., Forestry Genetics; B.S., Forestry

Background: 25 years of experience in forestry, wetlands, and environmental assessment projects

Jimmy Groton

Position: Environmental Scientist, Science Applications International Corporation

Education: M.S., Forestry; B.S., Natural Resources

Background: 23 years of experience in natural resource management and environmental impact assessment; 13 years of experience in NEPA compliance and wetlands ecology, management, and restoration

Richard K. Grady

Position: Executive Vice President, Applied Geographics, Inc.

Education: M.B.A., Management; B.S., Resource Economics

Background: 25 years of experience in computer mapping, systems integration, and GIS

Ernest B. Griggs

Position: Assistant Project Manager, PB Power, Inc.

Education: B.S., Management

Background: 30 years of experience in bulk power (hydro) generation and transmission

8 List of Preparers

Amy H. Haas

Position: GIS Analyst, Applied Geographics, Inc.
Education: B.S., Earth Sciences
Background: 4 years of experience in environmental sciences and GIS

Melissa Hetrick

Position: Assistant Staff Environmental Scientist, ENTRIX, Inc.
Education: B.S., Integrative Biology
Background: 3 years of experience in environmental impact assessment and environmental policy and permitting

Gale Hoffnagle

Position: Senior Vice President and Technical Director, TRC Environmental Corporation
Education: M.S. and B.S., Meteorology
Background: 34 years of experience in air quality consulting

Paul M. Jakus

Position: Associate Professor, Utah State University
Education: Ph.D., Economics; M.Sc. and B.Sc., Agricultural and Natural Resource Economics
Background: Faculty member at University of Tennessee with extensive experience in trip response modeling in the TVA region

Angela Johnson

Position: Biologist, Science Applications International Corporation
Education: B.S., Biology
Background: 5 years of experience in ecological risk assessment and wildlife biology

Margaret W. (Peg) Johnson

Position: Supervising Planner, Associate Vice President, Parsons Brinckerhoff, Inc.
Education: M.S., Economics; B.A., English
Background: 24 years of experience in ports and waterway planning and economic analysis

Deborah Joy

Position: Archaeologist, Legacy Research Associates, Inc.
Education: M.A., Native American History; B.A., Anthropology
Background: 22 years of experience in archaeology; 18 years of experience in cultural resource management

Nancy Ellen Keene

Position: Wetlands Biologist, ADECCO Technical
Education: Ph.D., Ecology; M.Ed., Outdoor Education; B.S., Biology
Background: 11 years of experience in teaching, researching, and performing environmental assessments

Carrie Koenig

Position: Consultant Analyst, PA Government Services, Inc.
Education: B.B.A., Business Management and Marketing
Background: 5 years of experience in survey research

Thomas Kokx

Position: Principal, Thomas Kokx Associates
Education: B.S., Landscape Architecture
Background: 30 years of experience in visual resource inventory, assessment, and management

Karl Krcma

Position: Supervising Engineer, Parson Brinckerhoff, Inc.
Education: B.S., Agricultural Engineering
Background: 23 years of experience in ports, waterways, and marine facilities

Donald Kretchmer

Position: Senior Water Resources Scientist, Normandeau Associates, Inc.
Education: M.S., Water Resources Management; B.S., Natural Resources
Background: 22 years of experience in water resources planning and management

Gabriela Landau-Gabbai

Position: GIS Analyst, Applied Geographics, Inc.
Education: M.S., Urban and Regional Planning; B.A., Geography
Background: 1 year of experience in urban planning; 2 years of experience in GIS

Paul Leonard

Position: Senior Project Manager, ENTRIX, Inc.
Education: M.S., Fisheries Science/Statistics; B.S., Aquatic Science/Biology
Background: 20 years of experience in managing and performing environmental assessments related to hydroelectric power and other water resource development projects

Elisa Aylin Lewallen

Position: Project Scientist, ENTRIX, Inc.
Education: M.S., Environmental Science; M.P.A., Public Affairs; B.S., Natural Resources
Background: 6 years of experience in watershed assessments, water quality monitoring, stream assessments, endangered species surveys, and environmental permitting

Joan Lynn

Position: President, egret, inc.
Education: 6 years of undergraduate studies in Latin and Greek
Background: 20 years of experience in writing and editing environmental documents

Dennis Magee

Position: Vice President, Normandeau Associates, Inc.
Education: M.S., Botany/Forestry; B.S., Zoology/Wildlife
Background: 31 years of experience in managing a wide range of environmental assessment projects

Richard Masters, P.E.

Position: Director of Engineering, Normandeau Associates, Inc.
Education: M.A., Environmental Planning; B.S., Civil Engineering
Background: 22 years of experience in environmental planning and water resources engineering

Ian K. McDonough

Position: Economics Graduate Student, Utah State University
Education: B.Sc., Information Systems
Background: Expertise in developing and maintaining electronic databases

Bryce Mochrie

Position: Senior Principal Engineer, PB Power, Inc.
Education: M.S. and B.S., Civil Engineering
Background: 25 years of experience in addressing the structural aspects of dam design, stability, and safety

April Montgomery

Position: Preservation Planner, Legacy Research Associates, Inc.
Education: M.A., Urban and Regional Planning; B.A., History
Background: 5 years of experience in historic preservation planning

Marcia B. Montgomery

Position: Project Historian, ENTRIX, Inc.
Education: M.A. and B.A., History
Background: 12 years of experience in historic research for environmental compliance

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Ash Morgan

Position: Senior Staff Scientist, ENTRIX, Inc.
Education: Ph.D. and M.A., Economics; B.A., Accounting and Finance
Background: 5 years of experience in economic modeling and analysis

Nicholas Nitka

Position: Consultant Analyst, PA Government Services, Inc.
Education: B.S., Marketing
Background: 5 years of experience in managing large-scale surveys for government and private clients

Kelly O'Brien

Position: Staff Recreation Analyst/Planner, Kleinschmidt Associates
Education: M.S., Resource Economics; B.S.S., Environmental Policy
Background: 3 years of experience in survey research and statistical applications; 8 years of experience in the recreation industry

Kimberly R. Peace

Position: Wetlands Scientist, Normandeau Associates, Inc.
Education: M.S. and B.S., Marine Science
Background: 8 years of experience in the field of environmental consulting, including wetlands delineation and mitigation, endangered species surveys, NEPA compliance and EIS preparation

Marcia L. (Marty) Phillips

Position: Senior Resource Economist, Kleinschmidt Associates
Education: M.S., Agricultural and Resource Economics; B.S., Natural Resources; A.A., Liberal Arts
Background: 15 years of experience in resource economics and survey research in the field of outdoor recreation

Cindy Potter

Position: Document Coordinator, ENTRIX, Inc.
Education: B.A., Liberal Arts
Background: 6 years of experience in public outreach and coordinating production of environmental documents

Paul W. Rasmussen

Position: Statistician, Wisconsin Department of Natural Resources
Education: M.S., Statistics; M.S. and B.A., Biology
Background: 22 years of experience in environmental and biomedical statistics

Pamela R. Rathbun

Position: Principal Consultant, PA Government Services, Inc.
Education: M.S., Sociology (Research and Analysis); B.S., Rural Sociology
Background: 20 years of experience in designing and conducting survey research for clients in the public and private sectors

John Robinson

Position: Senior Project Manager, ENTRIX, Inc.
Education: Masters Studies in Urban Design and Economics; B. Arch., Architecture
Background: 33 years of experience in energy facility development, permitting, and environmental performance evaluation (NEPA compliance) for thermal, nuclear, combustion turbine, pipeline, transmission line, and alternative energy facilities

Barbara Rosensteel

Position: Wetlands Biologist, ADECCO Technical
Education: M.S. and B.S., Environmental Science
Background: 14 years of experience in wetlands assessment and delineation

Jeffrey G. Royal

Position: Archaeologist, Legacy Research Associates, Inc.
Education: Ph.D., M.A., and B.A., Anthropology; B.A., Economics
Background: 12 years of experience in archaeological research, analysis, and publication

Cynthia Audrey Saine

Position: Senior GIS Analyst, Applied Geographics, Inc.
Education: B.A., Economics and Environmental Science
Background: 8 years of experience in GIS

John Shuman

Position: Senior Water Resources Planner, Kleinschmidt Associates
Education: Ph.D., Environmental Science; B.A., Biology
Background: 20 years of experience in fisheries, aquatic ecology, reservoir limnology, environmental science, and watershed planning

Heidi K. Singletary

Position: Senior GIS Analyst/Project Manager, Applied Geographics, Inc.
Education: M.S. and B.S., Environmental Science
Background: 5 years of experience in data development and mapping with GIS

Theresa Tennant

Position: Administrative Assistant, PA Government Services, Inc.
Background: 1 year of experience in administration in a survey research firm

Daniel R. Tormey

Position: Senior Management Consultant, ENTRIX, Inc.
Education: Ph.D., Geology and Geochemistry; B.S., Civil Engineering; B.S., Geology
Background: 14 years of experience as a hydrologist, geologist,

geochemist, civil engineer, environmental scientist, environmental engineer, and project manager

William W. Wade

Position: President, Energy and Water Economics
Education: Ph.D., Agricultural and Resource Economics; M.S., Agricultural and Resource Economics; B.S., English
Background: 30 years of experience in conducting regional economic impact analyses and resource economic analyses

Calvin Wenzel

Position: Wildlife Ecologist, Science Applications International Corporation
Education: B.S., Biology
Background: 28 years of experience in NEPA compliance, natural resource management, and environmental impact assessment

Jennifer West

Position: Soil Scientist, Normandeau Associates, Inc.
Education: M.S., Plant Science; B.S., Natural Resource Management
Background: 17 years of experience in environmental consulting, including permitting, site review, and mapping of soils and wetlands

Shirley Marie Williamson

Position: Project Manager, PB Power, Inc.
Education: M.S., Civil Engineering; B.S., Civil Engineering
Background: 22 years of experience in water resources projects and hydrologic analyses

8 List of Preparers

Roberta Willis

Position: Senior Consultant, ENTRIX, Inc.
Education: M.S., Ecology/Forestry; B.S.,
Landscape Design/Biology
Background: 25 years managing and
performing environmental
assessments related to
environmental planning and
natural resource programs and
projects

Bryan Zent

Position: Consultant, PA Government
Services, Inc.
Education: M.A., Industrial/Organizational
Psychology; B.S., Psychology
Background: 8 years of experience in survey
design, data collection, data
management, and data analysis

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