

## CHAPTER 5

### 5 LIST OF PREPARERS

#### 5.1 Project Management

##### **Nicholson, Charles P.**

Position: Senior NEPA/Endangered Species Specialist, NEPA Team Leader  
 Education/Experience: Ph.D., Ecology and Evolutionary Biology; 27 years of experience in zoology, endangered species studies, and NEPA compliance  
 Involvement: NEPA Compliance and Document Preparation; Land Use

##### **Barger, Hugh S.**

Position: Environmental Engineering Specialist  
 Education/Experience: B.S. Engineering; 30 years experience in direction of environmental reviews and preparation of environmental review documents  
 Involvement: Project coordination, purpose and need, alternatives description

##### **Tucker, E. Fowler**

Position: Project Engineer, Siting  
 Education/Experience: B.S., Civil Engineering; 27 years experience in transmission line survey and design; 9 years experience in transmission line siting  
 Involvement: Project and siting alternatives

#### 5.2 Other Contributors

##### **Awl, D. Jane**

Position: Wetlands Biologist  
 Education/Experience: M.S. Ecology, B.S., Biology and Environmental Science; 12 years experience in wetlands assessment and delineation  
 Involvement: Wetlands

##### **Baxter, John T.**

Position: Biologist - Aquatic  
 Education/Experience: M.S., Zoology, B.S., Zoology; 14 years experience with protected aquatic species monitoring, habitat assessment, and recovery, 4 years experience in NEPA reviews  
 Involvement: Endangered and Threatened Species – Aquatic Animals

**Brodie, W. Nannette**

Position: Senior Environmental Scientist  
Education/Experience: B.S., Geology, B.S., Environmental Science; 11 years experience in surface water quality and groundwater assessments; Registered Professional Geologist  
Involvement: Groundwater

**Clebsch, Edward E.**

Position: Contract Botanist  
Education/Experience: Ph.D., Botany, 55 years experience in field botany  
Involvement: Vegetation, Endangered and Threatened Species - Plants

**Cole, Stephen C.**

Position: Archaeologist  
Education/Experience: Ph.D., Anthropology; M.A., Archaeology/Anthropology; B.A. Anthropology; 17 years experience in North American and Western European archaeology  
Involvement: Cultural Resources

**Collins, J. Leo**

Position: Senior Botanist  
Education/Experience: Ph.D., Botany; 26 years experience in NEPA reviews, 31 years experience with southeastern flora  
Involvement: Vegetation, Endangered and Threatened Species - Plants

**Eblen, James H.**

Position: Contractor, Economist  
Education/Experience: Ph.D., Economics; 38 years experience in economic and demographic analysis at TVA, including 8 years experience in NEPA reviews  
Involvement: Socioeconomics and Environmental Justice

**Fraley, Nancy D.**

Position: Natural Areas Coordinator  
Education/Experience: M.S., Botany, B.S., Botany, B.A., Anthropology; 12 years experience in terrestrial vegetation assessment, rare plant inventory, and environmental education; 7 years experience with invasive exotic plant management  
Involvement: Managed Areas; Vegetation – Invasive Plant Species

**Guinn, Ella**

Position: Contract Natural Areas Specialist  
Education/Experience: M.S. and B.A., Geography; 9 years experience in land use analysis, interpretation and planning  
Involvement: Managed Areas

**Henry, T. Hill**

Position: Senior Zoologist  
 Education/Experience: M.S., Zoology; 10 years experience in monitoring terrestrial endangered species  
 Involvement: Wildlife, Endangered and Threatened Species – Terrestrial Animals

**Higgins, John M.**

Position: Water Quality Specialist  
 Education/Experience: Ph.D., Environmental Engineering; 30 years experience in water resource management  
 Involvement: Surface Water

**Hill, Amy Denise**

Position: Archaeologist  
 Education/Experience: B.A., Anthropology; 4 years cultural resource management experience  
 Involvement: Cultural Resources

**Jacobs, Marianne M.**

Position: Archaeological Technician  
 Education/Experience: B.A., Religion emphasis Middle Eastern Archaeology; 4 years in archaeology  
 Involvement: Cultural Resources  
 Involvement: Cultural Resources

**Kelsoe, Jimmie**

Position: Senior Environmental Scientist  
 Education/Experience: B.S., Industrial Chemistry, Mathematics; 26 years TVA experience in soil fertility, land reclamation, and waste utilization research, 4 years experience in atmospheric modeling  
 Involvement: Prime Farmland

**Kraft, Julia**

Position: Senior Geographic Analyst  
 Education/Experience: 12 years of experience in transmission siting analysis  
 Involvement: Transmission corridor analysis, mapping

**Milligan, Jack D.**

Position: Groundwater Specialist  
 Education/Experience: M.S., Environmental Engineering; 27 years experience in groundwater and surface water assessments  
 Involvement: Groundwater

**Milstead, Roger A.**

Position: Floodplain Specialist  
 Education/Experience: B.S., Civil Engineering; 28 years experience in floodplain and environmental evaluations. Registered Professional Engineer  
 Involvement: Floodplains

**Mitchell, Jason M.**

Position: Zoologist  
Education/Experience: M.P.A (Environmental Policy); B.S., Wildlife and Fisheries Science; 11 years experience in natural resource planning and ecological assessment with emphasis on sensitive resources  
Involvement: Wildlife, Endangered and Threatened Species – Terrestrial Animals; Managed Areas

**Parsons, Marjorie**

Position: Senior Planning Engineer  
Education/Experience: B.S., Engineering; 15 years experience in transmission planning  
Involvement: Electrical analysis to determine need for transmission line

**Peck, George**

Position: Aquatic Biologist  
Education/Experience: M.S., Biology, B.S., Secondary Education (Biology); 20 years of experience in aquatic biology  
Involvement: Aquatic Ecology

**Pflueger, Richard L.**

Position: Land Use and Recreation Specialist  
Education/Experience: M.B.A., B.S., Accounting; 28 years experience in recreation and economic development  
Involvement: Recreation

**Peebles, W. Chett**

Position: Senior Landscape Architect  
Education/Experience: Bachelor of Landscape Architecture; 17 years experience in site planning and visual assessment. Registered Landscape Architect  
Involvement: Visual Resources

**Pilarski, Kim**

Position: Wetlands Biologist  
Education/Experience: M.S., Geography, Minor Ecology; 10 years experience in wetlands assessment and delineation  
Involvement: Wetlands

**Romaniszyn, Eric**

Position: Biologist - Aquatic  
Education/Experience: M. S., Entomology, B.S., Biology; 8 years experience in aquatic biology.  
Involvement: Aquatic Ecology

**Rosensteel, Barbara**

Position: Contract Wetlands Biologist  
 Education/Experience: M.S. and B.S., Environmental Science; 14 years experience in wetlands assessment and delineation  
 Involvement: Wetlands

**Scott, Edwin M.**

Position: Biologist - Aquatic  
 Education/Experience: M.S., Fisheries Biology, B.S., Zoology; 29 years experience in fisheries and aquatic biology  
 Involvement: Aquatic Ecology

**Thomas, Jan**

Position: Natural Areas Contractor  
 Education/Experience: M.S. Human Ecology; 10 years experience in health and safety research, environmental restoration, technical writing  
 Involvement: Managed Areas

**Tichy, Charles R.**

Position: Historic Architect  
 Education/Experience: M.A., Historic Preservation, B. Architecture; 35 years experience in architectural restoration and preservation  
 Involvement: Cultural Resources

**Trently, Allan J.**

Position: Contract Terrestrial Zoologist  
 Education/Experience: M.S., Biology; 10 years experience working with terrestrial animals  
 Involvement: Wildlife, Endangered and Threatened Species – Terrestrial Animals

**Wells, Carolyn L.**

Position: Botanist  
 Education/Experience: Ph.D., Botany; 8 years experience in working with endangered and threatened plants  
 Involvement: Vegetation, Endangered and Threatened Species - Plants



## CHAPTER 6

### 6 LIST OF AGENCIES, ORGANIZATIONS, AND PERSONS TO WHOM COPIES HAVE BEEN SENT

#### Federal Agencies

U.S. Army Corps of Engineers, Nashville District; Lt. Col. Byron G. Jorns, District Engineer, and Ron Gatlin, Regulatory Branch

United States Army Garrison, Fort Campbell, KY, Commander, Headquarters

U.S. Environmental Protection Agency, Office of Federal Activities, Washington, DC

U.S. Environmental Protection Agency, Office of Environmental Assessment, Atlanta; Mr. Heinz J. Mueller, Chief

U.S. Fish and Wildlife Service, Cookeville, Tennessee; Dr. Lee A. Barclay, Field Supervisor

U.S. Department of the Interior, Office of Environmental Policy and Compliance, Washington, DC

U.S. Public Health Service, Centers for Disease Control and Prevention, Atlanta, Georgia, Dr. Joe Paul

#### State Agencies

Division of Water Pollution Control, Tennessee Department of Environment and Conservation, Nashville; Mr. Paul E. Davis, Director

Division of Natural Heritage, Tennessee Department of Environment and Conservation, Nashville; Mr. Reggie Reeves, Director

Division of Air Pollution Control, Tennessee Department of Environment and Conservation, Nashville; Mr. Barry R. Stephens, Director

Tennessee Department of Transportation, Nashville; Mr. Edward H. Cole, Chief of Environment and Planning

Tennessee Department of Agriculture, Nashville; Mr. Terry Oliver, Deputy Commissioner

Tennessee Historical Commission, Nashville; Mr. Herbert L. Harper, Executive Director

Tennessee Department of Economic and Community Development, Nashville; Mr. Mathew Kisber, Commissioner

Tennessee Wildlife Resources Agency, Nashville; Mr. Robert M. Todd

Greater Nashville Regional Council, Nashville; Mr. Sam Edwards, Executive Director

### Individuals and Organizations

Mr. Kenneth Spradlin, President,  
Clarksville Department of Electricity,  
Clarksville,  
Mr. Carl Wilson, General Manager,  
Cumberland Electric Membership  
Corporation, Clarksville  
Mr. James Peeler, Manager, Dickson  
Electric Department, Dickson  
Mr. Donald Kohanski, President, Nashville  
Electric Service, Nashville

Senator Lamar Alexander, Washington,  
D.C.  
Senator Bill Frist, Washington, D.C.  
Representative Jim Cooper, Nashville, TN  
Representative John Tanner, Union City,  
TN  
Representative Marsha Blackburn,  
Washington, D.C.  
Mr. Rogers Anderson, Williamson County  
Executive, Franklin, TN  
Representative Willie Butch Borchert,  
Nashville, TN  
Senator Jim Bryson, Nashville, TN  
Representative Robert Briley, Nashville,  
TN  
Mr. G. E. Clark, Houston County  
Executive, Erin, TN  
Ms. Linda Frazier, Dickson County  
Executive, Charlotte, TN  
Representative Tim Garrett, Nashville, TN  
Senator Thelma Harper, Nashville, TN  
Representative Beth Harwell, Nashville,  
TN  
Senator Joe Haynes, Nashville, TN  
Representative Tommy Head, Nashville,  
TN  
Senator Douglas Henry, Nashville, TN  
Senator Douglas Jackson, Nashville, TN  
Representative Sherry Jones, Nashville,  
TN  
Senator Rosalind Kurita, Nashville, TN

Representative Edith Langster, Nashville,  
TN  
Mayor Rhyne T. Largent, Erin, TN  
Representative Kim McMillan, Nashville,  
TN  
Representative Gary Odom, Nashville, TN  
Mr. Bill Orange, County Executive,  
Ashland City, TN  
Representative Mary Pruitt, Nashville, TN  
Mayor Bill Purcell, Nashville, TN  
Representative Charles Sargent Jr.,  
Nashville, TN  
Representative David Shepard, Dickson,  
TN  
Mr. Jim Smith, Houston County Executive,  
Erin, TN  
Representative Janis Baird Sontany,  
Nashville, TN  
Representative John Tidwell, Nashville,  
TN  
Mayor Don Trotter, Clarksville TN  
Representative Mike Turner, Nashville, TN  
Mayor Gary Vaughn, Cumberland City, TN  
Mr. David Wallace, Stewart County  
Executive, Dover, TN  
Mr. Douglas Weiland, Montgomery County  
Executive, Clarksville, TN  
Mayor Don Weiss, Jr. Dickson, TN  
Representative Ben West Jr., Nashville,  
TN  
Mr. Charles C. Aderholdt, Nashville, TN  
Tapp Allensworth, Clarksville, TN  
Sergei Andronikov, CMC GIS Center,  
Austin Peay State University,  
Clarksville, TN  
Joey D. Atkins, Cumberland City, TN  
Mike Billingsby, Dickson Electric, Dickson,  
TN  
Mr. Joe Bishop, CMCRPC, Clarksville, TN

Mr. Bob Brundage,  
Clarksville/Montgomery County GIS,  
Clarksville, TN

Mr. Michael Butler, Tennessee  
Conservation League, Nashville, TN

Molly Carle, Clarksville, TN

Carol Clark, Clarksville, TN

Jim Coode, Cumberland EMC, Clarksville,  
TN

Phillip Epps, Clarksville, TN

Mr. James Feltner, Clarksville, TN

Bill Fields, Clarksville, TN

Steve and Colene Gannaway,  
Cunningham, TN

Mr. Victor Gannaway, Clarksville, TN

Roger and Barbara Gardner, The Trane  
Company, Clarksville, TN

Wendell Gordon, Tansco, Nunnally, TN

Jamie Haskins, Clarksville, TN

Charles B. Hooper, Dickson, TN

J. R. Humphreys, Jr., H & H Welding,  
Dickson, TN

David Jones, Burns, TN

Mr. Joseph Knowles, Clarksville, TN

Mr. Rick Longton, Clarksville, TN

Reginald and Judy Lowe, Clarksville, TN

DeAunta McAfee, Clarksville, TN

Mr. Tommy McIntosh, Clarksville, TN

Mr. John Melton, Dixieland Co., Ashland  
City, TN

Donald O'Neal, Clarksville, TN

R. O. Old, County Commission, Palmyra,  
TN

Dale Ragan, Dickson, TN

Mr. David Riggins, Planning Commission,  
Clarksville, TN

M. E. Roberts, Clarksville, TN

Barbara Scott, Clarksville, TN

Jerry D. Slater, Clarksville, TN

Thomas and Edelgard Stover, Clarksville,  
TN

Micca Terrell, Clarksville, TN

Terry Vinson, Clarksville, TN

David A. Wallace, Clarksville, TN

Vernon Weakley, Clarksville, TN

Benny Weakley, Clarksville, TN

R. T. Wyatt, Clarksville, TN



## CHAPTER 7

### 7 SUPPORTING INFORMATION

#### 7.1 Literature Cited

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## 7.2 Glossary and Abbreviations

<b>Ampere (A)</b>	Unit of measure of electrical current; also amp
<b>Aquifer</b>	An underground layer of sand, gravel, or porous rock in which water collects
<b>Best Management Practices (BMPs)</b>	A set of practices that are the most effective and practical means of preventing or reducing non-point sources of pollution to a level compatible with water quality standards
<b>Candidate species</b>	A species for which the U.S. Fish and Wildlife Service has enough information to warrant proposing it for listing as endangered or threatened under the Endangered Species Act, but which has not yet been proposed for listing
<b>Corona</b>	An electrical discharge at the surface of a conductor
<b>Cultural resources</b>	Historic and archaeological properties, properties of traditional and cultural significance, sacred sites, Native America human remains, and cultural landscapes entitled to special consideration under federal laws and regulations
<b>Electric and magnetic fields (EMF)</b>	Fields produced around the electric conductor when a transmission line is in operation
<b>Endangered species</b>	A species in danger of extinction throughout all or a significant portion of its range
<b>Environmental justice</b>	The concern over potential disproportionate impacts to minority and low income populations from pollution and other environmental effects
<b>EPA</b>	U.S. Environmental Protection Agency
<b>Extirpated</b>	No longer known to occur in a given geographic area
<b>Forb</b>	A herbaceous plant species other than grass
<b>Fragmentation</b>	The process of breaking up a large area of relatively uniform habitat into one or more smaller, disconnected areas
<b>Invasive species</b>	A species that is non-native (or alien) to the ecosystem under consideration and whose introduction causes or is likely to economic or environmental harm or harm to human health
<b>Kilovolt (kV)</b>	1,000 volts, a measure of voltage, the force that causes a current to flow in an electrical circuit
<b>Neotropical migrant</b>	A bird that nests in North America and winters in Central or South America, Mexico, or the Caribbean
<b>Prime farmland</b>	Land that has the best combination of characteristics for producing agricultural crops with minimum inputs of fuel, fertilizer, pesticides, and/or labor, and is not already in or committed to urban development or water storage

<b>Riparian</b>	Areas adjacent to lakes, rivers, and streams
<b>Section 303(d) list</b>	As defined by the Clean Water Act, a list of water bodies that are considered “water quality limited” by not meeting state water quality standards or expected to exceed water quality standards in the next two years and need additional pollution controls
<b>TDEC</b>	Tennessee Department of Environment and Conservation
<b>Threatened species</b>	A species likely to become endangered within the foreseeable future
<b>USFWS</b>	U.S. Fish and Wildlife Service
<b>Wetland</b>	An area inundated by surface or ground water with a frequency sufficient to support vegetation or aquatic life that requires saturated or seasonably saturated soil conditions for growth and reproduction

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