

CHAPTER 5

5.0 LIST OF PREPARERS

5.1. NEPA Project Management

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Position: NEPA Specialist
 Education: M.S., Zoology and Wildlife; B.S., Biology
 Experience: 12 years in Biological Surveys, Natural Resources Management Planning, and Environmental Reviews
 Involvement: NEPA Compliance and Document Preparation

Heather L. Montgomery

Position: NEPA Specialist
 Education: B.S., Environmental Biology
 Experience: 7 years in Planning and Managing Land and Environmental Impacts Assessment
 Involvement: NEPA Compliance and Document Preparation

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 Involvement: NEPA Compliance and Document Preparation

5.2. Other Contributors

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 Involvement: Surface Water

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Position: Senior Aquatic Biologist
 Education: M.S. and B.S., Zoology
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Position: Contract Terrestrial Zoologist
 Education: M.S., Wildlife and Fisheries Science; B.A., Biology; B.A., Anthropology
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Involvement: Socioeconomics and Environmental Justice

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Position: Aquatic Biologist
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Involvement: Aquatic Ecology

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 Involvement: Document Layout and Publishing Coordinator

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 Involvement: Prime Farmland

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 Involvement: Floodplains

Aurora D. Moldovanyi

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 Involvement: Recreation

W. Chett Peebles

Position: Specialist, Landscape Architect
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 Experience: 21 years in Site Planning and Visual Assessment
 Involvement: Visual Resources and Historic Properties

Kim Pilarski-Brand

Position: Senior Wetlands Biologist
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 Experience: 14 years in Wetlands Assessment and Delineation
 Involvement: Wetlands

Northeastern Tributary Reservoirs Land Management Plan

Jan K. Thomas

Position: Contract Natural Areas Specialist
Education: M.S., Human Ecology
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Involvement: Natural Areas (Managed Areas, Nationwide Rivers Inventory, and Ecologically Significant Sites)

Dana Vaughn

Position: Watershed Representative
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Experience: 3 years, TVA Land and Water Stewardship
Involvement: Project Manager, Northeastern Tributary Reservoirs Land Management Plan

Edward W. Wells III

Position: Archaeologist
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Experience: 10 years Cultural Resource Management
Involvement: Cultural Resources

Cassandra L. Wylie

Position: Atmospheric Analyst
Education: M.S., Forestry and Statistics; B.S., Forestry
Experience: 21 years in Atmospheric Modeling and Effects of Air Pollution on Forests; 8 years in Noise Analysis
Involvement: Air Quality and Noise Impacts

CHAPTER 6

6.0 LIST OF AGENCIES, ORGANIZATIONS, AND PERSONS TO WHOM COPIES WERE SENT

Federal Agencies

Appalachian National Scenic Trail
 Great Smoky Mountains National Park
 U.S. Army Corps of Engineers, Nashville District
 U.S. Army Corps of Engineers, Nashville Regulatory Branch
 U.S. Army Corps of Engineers, Abingdon, Virginia
 U.S. Army Corps of Engineers, Christiansburg, Virginia
 U.S. Army Corps of Engineers, Norfolk, Virginia
 U.S. Department of Agriculture, Natural Resource Conservation Service
 U.S. Fish and Wildlife Service, Cookeville, Tennessee
 U.S. Fish and Wildlife Service, Abingdon, Virginia
 U.S. Fish and Wildlife Service, Gloucester, Virginia
 U.S. Forest Service, Cherokee National Forest
 U.S. Forest Service, George Washington and Jefferson National Forests

State Agencies

Tennessee

Tennessee Department of Agriculture
 Tennessee Department of Economic and Community Development
 Tennessee Department of Environment and Conservation, Director
 Tennessee Department of Environment and Conservation, Air Pollution Control Division
 Tennessee Department of Environment and Conservation, Recreation Educational Svc. Division
 Tennessee Department of Environment and Conservation, Water Pollution Control Division
 Tennessee Department of Environment and Conservation, Natural Heritage Division
 Tennessee Department of Transportation
 Tennessee Division of Archaeology
 Tennessee Historical Commission
 Tennessee Wildlife Resources Agency, Environmental Services Division

Virginia

Virginia Department of Conservation and Recreation
 Virginia Department of Game and Inland Fisheries
 Virginia Department of Historic Resources
 Virginia Department of Transportation
 Virginia Department of Environmental Quality

Local Agencies and Private Organizations

Appalachian RC&D Council
 Black Diamond Resource Conservation & Development Council
 Boone Lake Association
 Boone Watershed Partnership
 Carter County, Mayor
 City of Elizabethton, Mayor
 City of Jonesborough, Mayor
 City of Bristol, Tennessee, Mayor
 City of Bristol, Virginia, Mayor
 City of Mountain City, Mayor

Northeastern Tributary Reservoirs Land Management Plan

City of Kingsport, Mayor
City of Johnson City, Mayor
First Tennessee Development District
Friends of South Fork Holston River
Gate City, Mayor
Holston River Soil & Water Conservation District
Holston River Watershed Alliance
Johnson County, Mayor
Johnson County Stream Watch
Mount Rogers Planning District Commission
Smoky Mountain Resource Conservation & Development Council
Sullivan County, Mayor
The Nature Conservancy, East Tennessee
The Nature Conservancy, National
Town of Abingdon, Town Manager
Upper Tennessee River Roundtable
Warrior's Path State Park
Washington County, Tennessee, Mayor
Washington County, Virginia, Mayor

Individuals Who Were Sent Notification of final EIS Availability

The following list includes individuals who expressed interest in the NTRLMP EIS by submitting comments on the scoping document or DEIS or by attending the public meeting. Post cards announcing availability of the final EIS were mailed to approximately 1,800 interested individuals.

Erich Allen Kingsport, TN	Harold Bullock Blountville, TN	Bruce A. Chamberlin Kingsport, TN
Marshall Bagley Blountville, TN	Jim Burke Gray, TN	Ed & Charlene Champion Gray, TN
Ed Balaban Bristol, TN	Shawn Burke Gray, TN	Tom Cole Kingsport, TN
Dee Bardes Piney Flats, TN	Ralph Campbell Abingdon, VA	Ruth Combs Kingsport, TN
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George E. Boy Johnson City, TN	Jack Carrier Kingsport, TN	Jim Culbertt Johnson City, TN
James Brooks Johnson City, TN	Mickii Carter Gray, TN	Val DeVault Bristol, VA
Frank Brown Bristol, TN	Sharyl Carter Bristol, VA	Anthony Duncan Abingdon, VA
Sabrina Brown Bristol, TN	Clayton Caudill Gray, TN	Carl Durham Bristol, TN
Harold Bullis Blountville, TN	Ginny Chaffinch Butler, TN	Rodney R. Farris Abingdon, VA
Helen Bullis Blountville, TN	Larry Chaffinch Butler, TN	Michael Ford Jonesborough, TN

Verlin Ford Kingsport, TN	Luther Minor Bristol, VA	Bill Schaff Elizabethton, TN
Powell & Sharon Foster Bristol, TN	Ware Mitchell Gray, TN	Patricia Schick Piney Flats, TN
Allison Hall Bluff City, Tennessee	Jai Moore Meadowview, VA	Susan Shaw Cleveland, TN
Bob Hardin Elizabethton, TN	Lana Moore Blountville, TN	Ed Snowden Gray, TN
Russ Harrison Bluff City, TN	Bryan Mount Piney Flats, TN	Susan Snowden Gray, TN
Doug Haseltine Kingsport, TN	Sheri Nemeth Elizabethton, TN	Joseph Spanovich Bristol, TN
Lydia Haseltine Kingsport, TN	Richard Odum Johnson City, TN	Monti & Jackie Tesky Gray, TN
Edwin & Deborah Holman Blountville, TN	Lad Olterman Gray, TN	Ted Tipton Hampton, TN
Dorothy Ingram Johnson City, TN	Allen Palmer Kingsport, TN	Sheila & Richard Tittsworth Kingsport, TN
Robert Ingram Johnson City, TN	Don Palmer Unicoi, TN	Tom Wechter Piney Flats, TN
Beverley Jenkins Spring City, Tennessee	Scott Powers Kingsport, TN	Carolyn L. Welch Butler, TN
Brandon Johnson Gray, TN	Richard R. Randles Gray, TN	Carlos Whaley Greenville, Tennessee
Charles Jones Knoxville, TN	Keith Ratliff Kingsport, TN	Thomas R. White Hampton, TN
Sam Jones Kingsport, TN	Dan Reese Johnson City, TN	Ezra H. Williams Kingsport, TN
Robert Lamberson Limestone, TN	Dean Reynolds Johnson City, TN	Joseph Williams Kingsport, TN
Anthony B. Lee Johnson City, TN	Michael Richards Kingsport, TN	James M. Wilson Johnson City, TN
Jerry Lukach Johnson City, TN	Russell & Darlene Robbins Kingsport, TN	Jimmy C. Woods Gray, TN
Richard E. Maxey Clemmons, NC	David Rock Piney Flats, TN	Patrick Wylie Mountain City, TN
David McKenna Blountville, TN	Patrick Savage Bristol, TN	Josh (no last name given) Johnson City, TN

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CHAPTER 7

7.0 SUPPORTING INFORMATION

7.1. Literature Cited

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7.2. Glossary of Terms

100-year floodplain	The area inundated by the 1 percent annual chance (or 100-year) flood.
agricultural licensing	TVA land licensed to a private individual for the production of agricultural crops; the land use is an interim use of TVA land.
attainment areas	Those areas of the U.S. that meet NAAQS as determined by measurements of air pollutant levels.
benthic	Refers to the bottom of a stream, river, or reservoir.
cumulative impacts	Impacts that result from the incremental impact of the action when added to other past, present, and reasonably foreseeable actions, regardless of what agency or person undertakes such actions (40 CFR § 1508.7).
dam reservation	Lands generally maintained in a parklike setting by TVA to protect the integrity of the dam structure, hydroelectric facilities, and navigation lock. The reservation also provides for public visitor access to the TVA dam facilities and recreation opportunities, such as public boat access, bank fishing, camping, picnicking, etc.
deciduous	Vegetation that sheds leaves in autumn and produces new leaves in the spring.
direct impacts	Effects that are caused by the action and occur at the same time and place (40 CFR § 1508.8).
dissolved oxygen (DO)	The oxygen dissolved in water, necessary to sustain aquatic life. It is usually measured in milligrams per liter or parts per million.
drawdown	Area of reservoirs exposed between full summer pool and minimum winter pool levels during annual drawdown of the water level for flood control.
ecoregion	A relatively homogeneous area of similar geography, topography, climate, and soils that supports similar plant and animal life.
embayment	A bay or arm of the reservoir.

emergent wetland	Wetlands dominated by erect, rooted herbaceous plants, such as cattails and bulrush.
endangered species	A species in danger of extinction throughout all or a significant portion of its range or territory. Endangered species recognized by the ESA or similar state legislation have special legal status for their protection and recovery.
evergreen	Vegetation with leaves that stay green and persist all year.
evergreen-deciduous	Vegetation consisting of a mixture of plants that are both evergreen and deciduous, often referred to as mixed deciduous.
floodplains	Any land area susceptible to inundation by water from any source by a flood of selected frequency. For purposes of the National Flood Insurance Program, the floodplain, as a minimum, is that area subject to a 1 percent or greater chance of flooding (100-year flood) in any given year.
flowage easement tracts	Privately owned lakeshore properties where TVA has (1) the right to flood the land as part of its reservoir operations, (2) no rights for vegetation management, and (3) the authority to control structures, under Section 26a of the <i>TVA Act</i> .
forest	Vegetation having tree crowns overlapping, generally forming 60-100 percent cover (Grossman et al. 1998).
fragmentation	The process of breaking up a large area of relatively uniform habitat into smaller disconnected areas.
herbaceous vegetation	Dominated by forbs, generally forming at least 25 percent cover; other life-forms with less than 25 percent cover (Grossman et al 1998).
historic property	Defined in 36 CFR § 800.16(l) as “any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places.”
indirect impacts	Effects that are caused by the action and are later in time or farther removed in distance but are still reasonably foreseeable (40 CFR § 1508.8).
macroinvertebrates	Bottom-dwelling aquatic animals without vertebrae (skeletal spine), such as mollusks and arthropods.

mainstream reservoirs	Impoundments created by dams constructed across the Tennessee River.
marginal strip	The narrow strip of land retained by TVA between the summer operating pool and back-lying tracts that are owned or controlled by private or other public entities.
maximum shoreline contour (MSC)	An elevation typically 5 feet above the top of the gates of a TVA Dam. It is often the property boundary between TVA marginal strip property and adjoining private property.
NatureServe	An international network of biological inventories (natural heritage programs or conservation data centers) that provides information about the location and status of animals, plants, and habitat communities, and establishes a system for ranking the relative rarity of those resources (http://www.natureserve.org/explorer/).
National Ambient Air Quality Standards (NAAQS)	Uniform national air quality standards established by the USEPA that restrict ambient levels of certain pollutants to protect public health (primary standards) or public welfare (secondary standards). Standards have been set for ozone, carbon monoxide, particulate matter, sulfur dioxide, nitrogen dioxide, and lead.
physiographic provinces	General divisions of land with each area having characteristic combinations of soil materials and topography.
phytoplankton	Aquatic organisms, often microscopic, capable of generating their own food via photosynthesis, e.g., algae.
polychlorinated biphenyls (PCBs)	PCBs are organic compounds historically used for many applications, especially as dielectric fluids in transformers and capacitors and coolants. PCBs are toxic and classified as persistent organic pollutants. PCB production was banned by the U.S. in 1976.

<p>prime farmland</p>	<p>Generally regarded as the best land for farming, these areas are flat or gently rolling and are usually susceptible to little or no soil erosion. Prime farmland produces the most food, feed, fiber, forage, and oil seed crops with the least amount of fuel, fertilizer, and labor. It combines favorable soil quality, growing season, and moisture supply and, under careful management, can be farmed continuously and at a high level of productivity without degrading either the environment or the resource base. Prime farmland does not include land already in or committed to urban development, roads, or water storage.</p>
<p>riprap</p>	<p>Stones placed along the shoreline for bank stabilization and other purposes.</p>
<p>riparian zone</p>	<p>An area of land that has vegetation or physical characteristics reflective of permanent water influence. Typically a streamside zone or shoreline edge.</p>
<p>riverine</p>	<p>Having characteristics similar to a river.</p>
<p>row crops</p>	<p>Agricultural crops, such as corn, wheat, beans, cotton, etc., which are most efficiently grown in large quantities by planting and cultivating in lines or rows.</p>
<p>Section 26a review process</p>	<p>Section 26a of the <i>TVA Act</i> requires TVA review and approval of plans for obstructions, such as docks, fills, bridges, outfalls, water intakes, and riprap, before they are constructed across, in or along the Tennessee River and its tributaries. Applications for this approval are coordinated appropriately with TVA programs and USACE. USACE issues a joint public notice for those applications that are not covered by a USACE nationwide, general, or regional permit. The appropriate state water pollution control agency must also certify that the effluent from outfalls meets the applicable water quality standards.</p>
<p>scrub-shrub</p>	<p>Woody vegetation less than about 20 feet tall. Species include true shrubs, young trees, and trees or shrubs that are small or stunted because of environmental conditions.</p>
<p>shoreline</p>	<p>The line where the water of a TVA reservoir meets the shore when the water level is at the normal summer pool elevation.</p>
<p>shrublands</p>	<p>Vegetation consisting of shrubs generally greater than about 1.5 feet tall with individuals or clumps not touching or overlapping, generally forming less than 25 percent cover; tree cover generally less than 25 percent (Grossman et al. 1998).</p>

stratification	The seasonal layering of water within a reservoir due to differences in temperature or chemical characteristics of the layers.
substrates	The base or material to which a plant is attached and from which it receives nutrients.
summer pool elevation	The normal upper level to which the reservoirs may be filled. Where storage space is available above this level, additional filling may be made as needed for flood control.
threatened species	A species threatened with extinction throughout all or a significant portion of its range or territory. Threatened species recognized by the ESA or similar state legislation have special legal status for their protection and recovery.
tributary reservoirs	Impoundments created by dams constructed across streams and rivers that eventually flow into the Tennessee River.
turbidity	All the organic and inorganic living and nonliving materials suspended in a water column. Higher levels of turbidity affect light penetration and typically decrease productivity of water bodies.
upland	The higher parts of a region, not closely associated with streams or lakes.
wetlands	As defined in <i>TVA Environmental Review Procedures</i> , wetlands are “those areas inundated by surface or ground water with a frequency sufficient to support, and under normal circumstances do or would support, a prevalence of vegetation or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas such as sloughs, potholes, wet meadows, mud flats, and natural ponds.”
Wildlife Management Area	Land and/or water areas designated by state wildlife agencies, such as the Tennessee Wildlife Resources Agency (TWRA), for the protection and management of wildlife. These areas typically have specific hunting and trapping regulations as well as rules regarding appropriate uses of these areas by the public.
woodland	Open stands of trees with crowns not usually touching, generally forming 25-60 percent cover (Grossman et al. 1998).
zooplankton	Microscopic aquatic organisms that drift in the water column. Unlike phytoplankton, zooplankton are unable to generate food through photosynthesis and must instead consume other organisms.

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