

5.0 Supporting Information

5.1 List of TVA Preparers

- Barry L. Barnard**, Air, Land & Water Sciences, Energy Research & Technology Applications, Projects Manager
- John T. Baxter**, Regional Natural Heritage Project, Aquatic Threatened and Endangered Species Specialist
- Robert E. Buchanan**, River Operations, Program Administrator, Navigation
- Chellye L. Campbell**, Resource Stewardship, Pickwick Watershed Team, Land Use Specialist
- Joseph L. Collins**, Regional Natural Heritage Project, Botanist
- Nancy Fraley**, Regional Natural Heritage Project, Natural Area Specialist
- Travis H. Henry**, Regional Natural Heritage Project, Terrestrial Animal Threatened and Endangered Species Specialist
- A. Eric Howard**, Resource Stewardship, Cultural Resources Program, Archaeologist
- Carolyn Hunt**, Resource Stewardship, Pickwick Watershed Land Information Technician
- Donald L. Kachelman**, Air, Land & Water Sciences, Energy Research & Technology Applications, Chemical Engineer
- Jimmie Kelsoe**, Air, Land & Water Sciences, Energy Research & Technology Applications, Environmental Scientist
- Roger Milstead**, River Operations, Technical Specialist (Floodplains)
- John J. McFeters**, Energy Research & Technology Applications, Industrial Hygienist
- Ralph Perhac**, Economic Development, Economist
- Richard Pflueger**, Resource Stewardship, West Region Land Use Specialist (Recreation)
- Kim Pilarski**, Regional Natural Heritage Project, Wetland Specialist
- Larry Pounds**, Regional Natural Heritage Project, Contract Botanist, Ph.D., Plant Ecology
- Peggy Shute**, Regional Natural Regional Natural Heritage Project, Project Coordinator, Aquatic Biologist
- Damien Simbeck**, Resource Stewardship, Pickwick Watershed Team, Watershed Specialist
- S. Berry Stalcup**, Resource Stewardship, West Region, Aquatic Biologist
- Jon Riley**, Resource Stewardship, West Region, Landscape Architect, Visual Specialist
- Helen Rucker**, Environmental Policy & Planning, NEPA Specialist
- Charles Tichy**, Resource Stewardship, Cultural Resources Program, Historic Architect
- Carolyn Wells**, Regional Natural Heritage Project, Botanical Contractor

5.2 Distribution List

Federal , State, and Local Agencies

Mr. Lee Barclay, U.S. Fish and Wildlife Service, Kentucky-Tennessee Ecological Services, Cookeville, Tennessee

Mr. Timothy Boyce, Alabama Forestry Commission, Montgomery

Mr. Ray Brisson, Tennessee Department of Transportation, Nashville

Mr. Louis Buck, Tennessee Department of Agriculture, Nashville

Mr. Wilton Burnette, Tennessee Department of Economic and Community Development, Nashville

Mr. Charles Chisholm, Mississippi Department of Environmental Quality, Jackson

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

Mr. Don Elder, Northeast Mississippi Planning and Development District, Booneville

Mr. Ron Gatlin, Regulatory Branch, U.S. Army Corps of Engineers, Nashville District, Nashville, Tennessee

Lt. Col. Steve W. Gay, U.S. Army Corps of Engineers, Nashville, Tennessee

Mr. Larry E. Goldman, U.S. Fish and Wildlife Service, Alabama Ecological Services, Daphne, Alabama

Mr. Herbert L. Harper, Tennessee Historical Commission, Nashville

Mr. Keith Jones, Northwest Alabama Council of Local Governments, Muscle Shoals, Alabama

Ms. Cathy Mallette, Mississippi State Clearinghouse, Jackson

Mr. Sam Minor, Northwest Alabama Council of Local Governments, Muscle Shoals

Mr. Heinz J. Mueller, Office of Environmental Assessment, United States Environmental Protection Agency, Region 4, Atlanta, Georgia

Dr. Sam Polles, Mississippi Department of Wildlife, Fisheries, and Parks, Jackson

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

Mr. G. M. Roberts, Alabama Department of Transportation, Montgomery

Mr. Evelyn C. Robertson, Jr., Southwest Tennessee Development District, Jackson

Mr. Steven Seibert, U.S. Fish and Wildlife Service, Alabama Ecological Services, Decatur, Alabama

Mr. Dan Sherry, Tennessee Wildlife Resources Agency, Nashville

Mr. Wendell Simpson, Natchez Trace Parkway, Tupelo, Mississippi

Mr. Riley Boykin Smith, Alabama Department of Conservation and Natural Resources, Montgomery

Mr. Kent Taylor, Division of Ground Water Protection, Tennessee Department of Environment and Conservation, Nashville

Lt. Col. Peter Taylor, U.S. Army Corps of Engineers, Nashville District, Nashville, Tennessee

U.S. Department of the Interior, Office of the Secretary, Office of Environmental Policy and Compliance, Washington, D.C.

Mr. Thomas H. Waggener, Mississippi Department of Archives and History, Jackson

Mr. Lee H. Warner, Alabama Historical Commission, Montgomery

Mr. James W. Warr, Alabama Department of Environmental Management, Montgomery

Mr. Roger Wiebusch, U.S. Coast Guard, St. Louis, Missouri

Mr. Mark Williams, Tennessee Department of Environment and Conservation, Nashville

Mr. Justin P. Wilson, Tennessee Department of Environment and Conservation, Nashville

Cultural Resources Consultation

Dr. Richard Allen, Cherokee Nation of Oklahoma

Ms. Esther Holloway, NAGPRA Representative, Alabama-Quassarte Tribal Town

Ms. Joyce Bear, Muskogee (Creek) Nation of Oklahoma

Tryg Jorgensen, Tribal Administrator, Kialegee Tribal Town

Mr. James Bird, Tribal Historic Preservation Officer, Eastern Band of the Cherokee Indians

Mr. Lamont Laird, Eastern Shawnee Tribe of Oklahoma

Mr. Kenneth Carleton, Mississippi Band of Choctaw Indians

Mr. Walter Celestine, Program Director, Alabama-Coushatta Tribe

Mr. Steven "Archie" Mouse, United Keetoowah Band

Mr. Terry Cole, Choctaw Nation of Oklahoma

Ms. Gale Thrower, Poarch Band of Creek Indians

Mr. Kenneth Daugherty, Tribal Secretary, Absentee-Shawnee Tribe of Oklahoma

Ted Underwood, Seminole Nation of Oklahoma

Mrs. Rena Duncan, Director of Cultural Resources, The Chickasaw Nation

Dr. Patricia Wickman, THPO, Seminole Indian Tribe

Mr. Allen Harjo, Tribal Administrator, Thlopthlocco Tribal Town

Ms. Elizabeth Anne Brown, Deputy State Historic Preservation Officer, Alabama Historical Commission

Mr. Elbert Hilliard, Deputy State Historic Preservation Officer, Mississippi Department of Archives & History

Mr. Herbert L. Harper, Deputy State Historic Preservation Officer, Tennessee Historical Commission

Mr. Ben Moriera, Executive Director, Indian Affairs Commission

Mr. Michael Gilbert, Alabama Indian Affairs Commission Executive Director

Dr. Thomas McCulloch, Advisory Council on Historic Preservation

Regional Stakeholders

Office of U.S. Congressman Robert B. Aderholt, State of Alabama, District 4

Mr. Jimmy Barnett, City of Sheffield, Utility Department Manager, Sheffield, Alabama

Mr. Alvin Blakney, Tishomingo County Development Foundation, Iuka, Mississippi

Ms. Mindy Buchanan, Office of U.S. Senator Thad Cochran, State of Mississippi, Oxford, Mississippi

Mr. Mike Butler, Tennessee Conservation League, Nashville, Tennessee

Mr. Bill Canty, Office of U.S. Senator Trent Lott, State of Mississippi, Oxford, Mississippi

Office of U.S. Congressman Bud Cramer, State of Alabama, District 5

Mr. Ricky Cummings, State Representative, District 1, Alcorn and Tishomingo Counties, Mississippi

Mr. Karl Dudley, General Manager, Pickwick Electric Cooperative, Selmer, Tennessee

Mr. Jamie Franks, State Representative, District 19, Itawamba, Lee, and Tishomingo Counties, Mississippi

Mr. Robert Grishom, Tishomingo County Electric Cooperative, Iuka, Mississippi

Mr. Rob Hurt, U.S. Fish and Wildlife Service, Daphne, Alabama

Mr. Dick Jordan, Mayor, City of Florence, Florence, Alabama

Ms. Marty Marina, Tennessee Conservation League, Nashville, Tennessee

Mr. John Newman, Office of U.S. Senator Fred Thompson, State of Tennessee

Mr. David L. Nichols, Mayor, Iuka, Mississippi

Mr. Mike Philpot, Executive Director, West Tennessee Industrial Association (RIDA), Jackson, Tennessee

Mr. Bruce Porter, U.S. Fish and Wildlife Service, Daphne, Alabama

Mr. Tracy Redmon, Executive Director, McNairy County Chamber of Commerce, Selmer, Tennessee

Mr. Ian Sanford, Mayor, Sheffield, Alabama

Office of U.S. Senator Jeff Sessions, State of Alabama

Mr. Charles Sharp, Alabama Department of Conservation and Natural Resources, Guin, Alabama

Office of U.S. Senator Richard Shelby, State of Alabama

Mr. Kyle Stewart, Office of U.S. Congressman Roger Wicker, State of Mississippi,
District 1, Tupelo, Mississippi

Mr. Houston Thrasher, Coordinator, McNairy County Economic Development
Commission, Selmer, Tennessee

Mr. Daniel Toole, Alabama Department of Conservation and Natural Resources,
Florence, Alabama

Mr. Dudley White, Alabama Department of Conservation and Natural Resources,
Tanner, Alabama

Mr. John White, State Senator, District 5, Itawamba, Lee, Prentis, and Tishomingo
Counties, Mississippi

Individuals

Mary Ackerman, Savannah, Tennessee

Laura Albright, Corinth, Mississippi

Trey Albright, Corinth, Mississippi

Dr. James Alston, Memphis, Tennessee

Amy Bailey, Memphis, Tennessee

Tim Bailey, Memphis, Tennessee

Charlene Baird, Pickwick Dam, Tennessee

Steve Ballard, Counce, Tennessee

Jeff Barclay, Memphis, Tennessee

Joe Barker, Savannah, Tennessee

Ferrell Benjamin, South Haven, Mississippi

Charles Bevis, Savannah, Tennessee

Alvie Blankey, Burnsville, Mississippi

David Blazer, Muscle Shoals, Alabama

Donnie Bretherick, Sheffield, Alabama

Charles Brewer, Jackson, Tennessee

Barry Broach, Florence, Alabama

Irv Brock, Cherokee, Alabama

Kert Bronson, Memphis, Tennessee

Huie Burcham, Counce, Tennessee

Kenneth Carmack, Germantown, Tennessee

James Caudle, Alamo, Tennessee

Jeff Cerrito, Memphis, Tennessee

Joseph Chance, Cordova, Tennessee
James Clausel, Savannah, Tennessee
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Jon Clayton, Memphis, Tennessee
M. Anderson Cobb, Jr., Memphis, Tennessee
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William Crawford, Collierville, Tennessee
Bobby Cromwell, Savannah, Tennessee
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C. Howard Davis, Memphis, Tennessee
Jimmy Dees, Iuka, Mississippi
F. P. Dugan, Memphis, Tennessee
Gwen Eanes, Sault, Tennessee
Rebecca Easley, Savannah, Tennessee
Scotty and Brenda Edge, Counce, Tennessee
Henry Ellis, Memphis, Tennessee
Brodie Estes, Counce, Tennessee
Jim Ethridge, Cordova, Tennessee
Terry Fethe, Florence, Alabama
Robert Field, Germantown, Tennessee
Lee Foster, Counce, Tennessee
Mary Gantzer, Cordova, Tennessee
Robert Gantzer, Cordova, Tennessee
Daniel Giles, Florence, Alabama
Lester Graves, Arlington, Tennessee
James Griffin, Memphis, Tennessee
Norm Griggs, Lakeland, Tennessee
Glen Hackum, Bartlett, Tennessee
Greg Hamblin, New Albany, Mississippi
Frank Hamilton, Tuscumbia, Alabama
David Harbin, Pickwick Dam, Tennessee
Jerry Hart, Memphis, Tennessee

LaRue Hart, Memphis, Tennessee
John and Mary Heflin, Memphis, Tennessee
Mr. and Mrs. Michael Hellums, Cherokee, Alabama
Phil Herrle, Collierville, Tennessee
David Hinrs, Hickory Withe, Tennessee
R. E. Hisky, Memphis, Tennessee
Warner Hodges, Germantown, Tennessee
Richard Hollis, Memphis, Tennessee
Richard Holst, Muscle Shoals, Alabama
Mr. and Mrs. A. B. Isbell, Counce, Tennessee
Alfred Ison, Memphis, Tennessee
Jean Ison, Memphis, Tennessee
Bobby James, Iuka, Mississippi
Chris Jerrolds, Savannah, Tennessee
Elton Johnson, Savannah, Tennessee
Jim and Beth Johnson, Counce, Tennessee
Michael Johnson, Savannah, Tennessee
J. C. Kennedy, Memphis, Tennessee
Jim and Becky Kerr, Savannah, Tennessee
Edward King, Germantown, Tennessee
Percy King, Jr., Leighton, Alabama
Paul Kittle, Florence, Alabama
Bill Kramer, Germantown, Tennessee
William Lackey, Savannah, Tennessee
Tom Lilly, Savannah, Tennessee
James Loew, Florence, Alabama
Mr. and Mrs. Eddie Lomenick, Belden, Mississippi
Grady Lowery, Collierville, Tennessee
Helen Lowery, Collierville, Tennessee
Larry Malone, Eads, Tennessee
Vincent Marascuilo, Cordova, Tennessee
Robert Marshall, Iuka, Mississippi
William & Barbara Mashburn, Arlington, Tennessee
Charles Massengale, Florence, Alabama

Gwen Maxwell, Memphis, Tennessee
Flinn Maxwell, Memphis, Tennessee
Doug Mayhall, Counce, Tennessee
Karla McGee, Sheffield, Alabama
Bill McKinnie, Pickwick Dam, Tennessee
Gerald McLemore, Corinth, Mississippi
Margaret Miller, Memphis, Tennessee
Virginia Minervini, Memphis, Tennessee
Gary Morris, Iuka, Mississippi
Sam and Jean Moss, Memphis, Tennessee
James Murphy, Pickwick Dam, Tennessee
Frankie Murphy, Iuka, Mississippi
Gerald Oliver, Cherokee, Alabama
Blair Outlan, Collierville, Tennessee
John B. Outlan, Memphis, Tennessee
John E. Outlan, Collierville, Tennessee
William Parkhurst, Sheffield, Alabama
Karen Parnett, Pickwick Dam, Tennessee
John Parrish, Memphis, Tennessee
Glenn Pate, Memphis, Tennessee
Olon Patterson, Florence, Alabama
Louise Perry, Corinth, Mississippi
Robert Perry, Corinth, Mississippi
Jack Pickard, Counce, Tennessee
Ron and Linda Pickard, Savannah, Tennessee
Thomas Pirkle, Florence, Alabama
Ronald Poe, Cordova, Tennessee
Marty Posey, Sheffield, Alabama
Jean Randall, Counce, Tennessee
Rachel Raney, Memphis, Tennessee
Ralph and Jean Raney, Memphis, Tennessee
James Ransom, Florence, Alabama
Jere Reid, Memphis, Tennessee
Harvey Robbins, Muscle Shoals, Alabama

Chris Rooke, Memphis, Tennessee
Charles Ross, Germantown, Tennessee
Ian Sanford, Sheffield, Alabama
Chuck Sharp, Guin, Alabama
James Shepard, Cordova, Tennessee
Dennis Sherer, Florence, Alabama
Bob Shutt, Savannah, Tennessee
Johnny Sims, Cherokee, Alabama
Paula Smith, Germantown, Tennessee
Rocky & Paula Smith, Germantown, Tennessee
Stephen Smith, Savannah, Tennessee
Larry Stanford, Corinth, Mississippi
Emory Stansell, Tuscumbia, Alabama
Pat Stansell, Florence, Alabama
Robert Stansell, Florence, Alabama
Pace Suito, Germantown, Tennessee
Trice Sumner, Tupelo, Mississippi
Gerald Symeon, Germantown, Tennessee
Cathy Taylor, Memphis, Tennessee
Jo Ann Thomas, Florence, Alabama
Okey Thornton, Iuka, Mississippi
Barbara Tigrett, Collierville, Tennessee
Charles Tigrett, Collierville, Tennessee
Christopher Todd, Humbolt, Tennessee
Daniel Toole, Florence, Alabama
Robert Tredt, Memphis, Tennessee
Faye Trim, Savannah, Tennessee
Joel Turner, Counce, Tennessee
Daniel and Martha Walker, Somerville, Tennessee
Dr. and Mrs. Dale Warriner, Tupelo, Mississippi
DeeDee Warriner, Tupelo, Mississippi
Dr. and Mrs. Joseph Weems, Memphis, Tennessee
Ann White, Corinth, Mississippi
Dudley White, Tanner, Alabama

Pickwick Reservoir Land Management Plan

Elbert White, Corinth, Mississippi
Betsy Whitehurst, Corinth, Mississippi
Bill Whitworth, Tupelo, Mississippi
Fayette Williams, Tupelo, Mississippi
Frances Williams, Tupelo, Mississippi
James Williams, Tupelo, Mississippi
Mary Williams, Tupelo, Mississippi
Peter Williams, Florence, Alabama
William T. Williams III, Calhoun City, Mississippi
Greg Wilson, Collierville, Tennessee
Dean Wingo, Collierville, Tennessee

5.3 Literature Cited

- Braun, E. L. 1950. Deciduous Forests of Eastern North America. The Blakiston Company, Philadelphia, 596 pages.
- Cowardin, L. M., V. Carter, F. C. Golet, and E. T. LaRoe. 1979. Classification of Wetland and Deepwater Habitats of the United States. U.S. Fish and Wildlife Publication FWS/OBS-79/31, Washington.
- Environmental Protection Agency. BASINS Core Data. 1994. <<http://www.epa.gov/OST/BASINS/>>.
- Etnier, D. A., and W. C. Starnes. 1993. The Fishes of Tennessee. University of Tennessee Press, Knoxville, 681 pages.
- Federal Farmland Protection Policy Act. 1981. U.S. Code of Federal Regulations Title 7, Part 567, Amended in 1984 and 1994 (7 CFR Part 658).
- Federal Highway Administration. 1991. Final Environmental Impact Statement: Patton Island Bridge and Approaches Crossing the Tennessee River and Connecting the Cities of Florence and Muscle Shoals, Lauderdale and Colbert Counties.
- 2001. Memphis to Atlanta Corridor Study, Mississippi/Alabama State Line to Interstate 65, Colbert, Franklin, Lauderdale, Lawrence, Limestone, and Morgan Counties, Project DPS-A002, Draft Environmental Impact Statement.
- Fenneman, N. M. 1938. Physiography of Eastern United States. McGraw-Hill Book Company, Inc., New York, 714 pages.
- Garner, J. T. 1992. A Survey for Anthony's River Snail in Tributaries of the Middle Reaches of the Tennessee River. Unpublished Report to U.S. Fish & Wildlife Service, Aquatic Resources Center, Franklin, 5 pages plus appendices.
- Godwin, J. 2001. Alabama Natural Heritage Program. Personal Communication.
- Hefner, J. M., B. O. Wilen, T. E. Dahl, and W. E. Frayer. 1994. Southeast Wetlands: Status and Trends, Mid-1970's to Mid-1980's. U.S. Department of the Interior, Fish and Wildlife Service, Atlanta.
- McGregor, S. W., and T. E. Shepard. 1995. Investigations of Slackwater Darter, *Etheostoma boschungii*, Populations, 1992-1994. Geological Survey of Alabama, Circular 184, Tuscaloosa, 33 pages.
- Mettee, M. F., P. E. O'Neil, and J. M. Pierson. 1996. Fishes of Alabama and the Mobile Basin. Oxmoor House, Inc., Birmingham, 820 pages.
- Meyer, C. C. 1995. Cultural Resources in the Pickwick Reservoir. Report of Investigations 75, University of Alabama.
- Parmalee, P. W., and A. E. Bogan. 1998. The Freshwater Mussels of Tennessee. University of Tennessee Press, Knoxville, 328 pages.
- Spry, M. J., and J. M. Hollis. 1997. Cultural Resource Inventory of the TVA Shoreline Initiative Properties on Pickwick, Wheeler, Guntersville, and Nickajack Reservoirs in Mississippi, Alabama, and Tennessee. University of Alabama.

- TVA. 1981a. Pickwick Reservoir Land Management Plan.
- . 1981b. TVA internal memorandum, "Class Review of Certain Repetitive Actions in the 100-Year Floodplain", Mohamed T. El-Ashry. August 13, 1981.
- . 1983. "TVA Instruction IX Environmental Review Procedures for Compliance with National Environmental Policy Act." *Federal Register*, 48 FR 19264.
- . 1992. Reservoir Vital Signs Monitoring-1991, Summary of Vital Signs and Use Impairment Monitoring on Tennessee Valley Reservoirs.
- . 1993. Reservoir Vital Signs Monitoring-1992, Summary of Vital Signs and Use Suitability Monitoring on Tennessee Valley Reservoirs.
- . 1994. Tennessee Valley Reservoir and Stream Quality-1993, Summary of Vital Signs and Use Suitability Monitoring.
- . 1995. Aquatic Ecological Health Determinations for TVA Reservoirs-1994, An Informal Summary of 1994 Vital Signs Monitoring Results and Ecological Health Determination Methods.
- . 1996. Aquatic Ecological Health Determinations for TVA Reservoirs-1995, An Informal Summary of 1995 Vital Signs Monitoring Results and Ecological Health Determination Methods.
- . 1997a. Lighthouse Fuels, Inc., Environmental Assessment.
- . 1997b. City of Florence Alabama, Wastewater Treatment Plant Expansion Environmental Assessment.
- . 1997c. Aquatic Ecological Health Determinations for TVA Reservoirs-1996, An Informal Summary of 1996 Vital Signs Monitoring Results and Ecological Health Determination Methods.
- . 1998a. Shoreline Management Initiative (SMI): An Assessment of Residential Shoreline Development Impacts in the Tennessee Valley. Land Management, Norris.
- . 1998b. Florence Wagon Works Site Remediation at Pickwick Reservoir, Wilson Dam Reservation Environmental Assessment.
- . 1998c. Barton Industrial Site Environmental Assessment.
- . 1998d. Aquatic Ecological Health Determinations for TVA Reservoirs-1997, An Informal Summary of 1997 Vital Signs Monitoring Results and Ecological Health Determination Methods.
- . 1999a. Barton Site Expansion Environmental Assessment.
- . 1999b. TVA Flood Control Storage Loss Guidelines (revised). Tennessee Valley Authority, Knoxville.
- . 1999c. Aquatic Ecological Health Determinations for TVA Reservoirs-1998, An Informal Summary of 1998 Vital Signs Monitoring Results and Ecological Health Determination Methods.
- . 2000a. Tishomingo County Development Foundation Request for Long-term Tenure Commercial Recreation Easement on Tract XPR-460RE Environmental Assessment.

- 2000b. Bear Creek Reservoirs Land Management Plan Final Environmental Assessment.
- U.S. Department of Agriculture. 1963. Soil Survey for Hardin County, Tennessee. Soil Conservation Service.
- 1977. Soil Survey for Lauderdale County, Alabama. Soil Conservation Service.
- 1983. Soil Survey for Tishomingo County, Mississippi. Soil Conservation Service.
- 1994. Soil Survey for Colbert County, Alabama. Soil Conservation Service.
- U.S. Fish and Wildlife Service. 1982. Gray Bat (*Myotis grisescens*) Recovery Plan. Denver, 150 pages.
- 2001. Endangered and Threatened Wildlife and Plants; Establishment of Nonessential Experimental Population Status for 16 Freshwater Mussels and 1 Freshwater Snail (Anthony's Riversnail) in the Free-flowing Reach of the Tennessee River Below the Wilson Dam, Colbert and Lauderdale Counties. Federal Register 66:32250-32264.
- Webb, W. S., and D. L. DeJarnette. 1942. An Archeological Survey of Pickwick Basin in the Adjacent Portions of the States of Alabama, Mississippi, and Tennessee. Smithsonian Institution, Bureau of American Ethnology Bulletin 129, Washington.

5.4 Glossary

100-year floodplain - The area inundated by the 1 percent annual chance (or 100-year) flood.

agricultural licensing - Some parcels or portions of parcels designated for other purposes or uses may also be suitable for interim agricultural licensing. These parcels have been identified, using the criteria contained in TVA's agriculture instruction. Normal tenure for a TVA agricultural license is five years. Land with extreme erosion potential may not be licensed for agricultural use unless erosion and sediment controls, including the use of BMPs, can be successfully implemented. Further investigation and/or mitigation of adverse impacts to natural or cultural resources may be required prior to approval of license agreements.

attainment areas - Those areas of the U.S. that meet National Ambient Air Quality Standards as determined by measurements of air pollutant levels.

benthic - Refers to the bottom of a stream, river, or reservoir.

cumulative impacts - Impacts which 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 park-like 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.

direct impacts - Effects which are caused by the action and occur at the same time and place (40CFR 1508.4).

dissolved oxygen - 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.

dredging - The removal of material from an underwater location, primarily for deepening harbors and waterways.

embayment - A bay or arm of the reservoir.

emergent wetland - Wetlands dominated by erect, rooted herbaceous plants, such as cattails and bulrush.

endangered species - Any species in danger of extinction throughout all or a significant portions of its range or territory.

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 TVA Act.

fragmentation - The process of breaking up a large area of relatively uniform habitat into one or more smaller, disconnected areas.

indirect impacts - Effects which are caused by the action and are later in time or farther removed in distance but are still reasonably foreseeable (40 CFR 1508.4).

mainstream reservoirs - Impoundments created by dams constructed across the Tennessee River.

marginal strip - The narrow strip of land owned by TVA between the water's edge and the adjoining private property, on which the property owner may construct private water use facilities upon approval of plans by TVA.

maximum shoreline contour - 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.

National Ambient Air Quality Standards - Uniform, national air quality standards established by the Environmental Protection Agency 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, particulates, sulfur dioxide, nitrogen, nitrogen dioxide, and lead.

physiographic provinces - General divisions of land with each area having characteristic combinations of soil materials and topography.

plan tract - A numbered parcel of TVA fee-owned land which, prior to the plan, has had no long-term commitments affecting future land uses as assigned through the reservoir land planning process.

prime farmland - 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.

riparian zone - An area of land that has vegetation or physical characteristics reflective of permanent water influence. Typically a streamside zone or shoreline edge.

riprap - Stones placed along the shoreline for bank stabilization and other purposes.

riverine - Having characteristics similar to a river.

Section 26a review process - Section 26a of the TVA Act 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.

scrub-shrub - 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.

shoreline - The line where the water of a TVA reservoir meets the shore when the water level is at the normal summer pool elevation.

Shoreline Management Zone - A barrier of permanent vegetation established or left undisturbed around a reservoir in order to buffer the adverse impacts resulting from development and increased human activity.

significant cultural resources - Some of the parcel descriptions state that “the parcel contains significant cultural resources” or that “cultural resource considerations may affect development of the parcel.” However, many of the parcel descriptions contain no reference to archaeological or other cultural resources. The lack of such references within a parcel description does not necessarily indicate that significant cultural resources do not exist. The use of any parcel for developmental purposes may require additional archaeological testing or mitigation of adverse impact to archaeological sites. The costs of required testing or mitigation would be the responsibility of the developer.

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.

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 *TVA Environmental Review Procedures*, “Wetlands are those areas inundated by surface or groundwater 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 seasonably 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.

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