Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381-2000

December 23, 2009

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop: OWFN P1-35
Washington, D.C. 20555-0001

Watts Bar Nuclear Plant, Unit 2
NRC Docket No. 50-391

Subject: **WATTS BAR NUCLEAR PLANT (WBN) UNIT 2 – ADDITIONAL INFORMATION REGARDING ENVIRONMENTAL REVIEW (TAC NO. MD8203)**

References:

1. NRC letter dated December 3, 2009, "Watts Bar Nuclear Plant, Unit 2 - Request for Additional Information Regarding Environmental Review (TAC NO. MD8203)"

2. TVA letter dated February 15, 2008, "Watts Bar Nuclear Plant (WBN) - Unit 2 - Final Supplemental Environmental Impact Statement for the Completion and Operation of Unit 2"

3. TVA letter dated July 2, 2008, "Watts Bar Nuclear Plant (WBN) - Unit 2 - Final Supplemental Environmental Impact Statement - Request for Additional Information (TAC No. MD8203)"

4. TVA letter dated January 27, 2009, "Watts Bar Nuclear Plant (WBN) Unit 2 - Final Supplemental Environmental Impact Statement - Severe Accident Management Alternatives (TAC No. MD8203)"

The purpose of this letter is to provide additional information in support of NRC's environmental review of WBN Unit 2 as requested by NRC in Reference 1 subsequent to a site audit in October 2009. The WBN Unit 2 Final Supplemental Environmental Impact Statement (June 2007) was submitted to NRC on February 15, 2008 (Reference 2). By letter dated July 2, 2008 (Reference 3), TVA responded to an NRC request for additional information. By letter dated January 27, 2009 (Reference 4), TVA provided the Severe Accident Management Alternatives analysis report for WBN Unit 2.

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Enclosure 1 provides the NRC environmental review requests for additional information and TVA's response or a date when the information will be provided. Attached to the Enclosure is an Optical Storage Media (OSM #1) with additional documents. TVA will have further discussion with NRC staff with respect to items RP-1i and RP-2.

If you have any questions, please contact me at (423) 365-2351.

Sincerely,

M. Bajestani

Masoud Bajestani
Watts Bar Unit 2 Vice President

Enclosure:

1. Additional Information Environmental Review
2. List of commitments

Attachment:

1. OSM #1 Additional information

cc (Enclosures):

U. S. Nuclear Regulatory Commission
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, Georgia 30303-8931

NRC Resident Inspector Unit 2
Watts Bar Nuclear Plant
1260 Nuclear Plant Road
Spring City, Tennessee 37381

Enclosure 1

Additional Information
Environmental Review

Additional Information Regarding Environmental Review

Cultural Resources

CR-1. As discussed and reviewed at the site audit, describe the process to identify Tribes and interested parties to consult with regarding the potential impacts to cultural resources as a result of the proposed project.

This information was provided in TVA's letter dated December 14, 2009, "Watts Bar Nuclear Plant (WBN) Unit 2 – Additional Information Regarding Environmental Review – Cultural Resources."

CR-2. During the site audit staff reviewed consultation letters related to cultural resources. Provide copies of all consultation letters with the State Historic Preservation Officer (SHPO), Tribes, and interested parties as well as response letters and comments received from the SHPO, Tribes, and interested parties as a result of the proposed project.

This information was provided in TVA's letter dated December 14, "Watts Bar Nuclear Plant (WBN) Unit 2 – Additional Information Regarding Environmental Review – Cultural Resources."

CR-3. As discussed at the site audit, describe the cultural background (prehistoric and historic) at Watts Bar Nuclear (WBN) and the vicinity to put the historical properties in context.

This information was provided in TVA's letter dated December 14, "Watts Bar Nuclear Plant (WBN) Unit 2 – Additional Information Regarding Environmental Review – Cultural Resources."

CR-4. As discussed at the site audit, provide a status of the 106 consultation process.

This information was provided in TVA's letter dated December 14, "Watts Bar Nuclear Plant (WBN) Unit 2 – Additional Information Regarding Environmental Review – Cultural Resources."

CR-5. As discussed at the site audit, describe the Area of Potential Effect (APE) and the cultural resources located within.

This information was provided in TVA's letter dated December 14, "Watts Bar Nuclear Plant (WBN) Unit 2 – Additional Information Regarding Environmental Review – Cultural Resources."

CR-6. As discussed and reviewed at the site audit, provide copies of relevant cultural resources reports and site forms for the Watts Bar property and the associated survey reports for the transmission line corridors. Provide copies of all relevant reports and site forms associated with the APE.

This information was provided in TVA's letter dated December 14, "Watts Bar Nuclear Plant (WBN) Unit 2 – Additional Information Regarding Environmental Review – Cultural Resources."

CR-7. As discussed at the site audit, provide copies of procedures that identify measures to be taken if cultural resources and/or human remains are inadvertently discovered during operation and maintenance activities.

This information was provided in TVA's letter dated December 14, "Watts Bar Nuclear Plant (WBN) Unit 2 – Additional Information Regarding Environmental Review – Cultural Resources."

CR-8. As discussed at the site audit, provide pre- and post-construction aerial photographs, if available.

This information was provided in TVA's letter dated December 14, "Watts Bar Nuclear Plant (WBN) Unit 2 – Additional Information Regarding Environmental Review – Cultural Resources."

CR-9. As discussed at the site audit, describe the cultural resources at Watts Bar and the impacts the proposed action may have on cultural resources at Watts Bar.

This information was provided in TVA's letter dated December 14, "Watts Bar Nuclear Plant (WBN) Unit 2 – Additional Information Regarding Environmental Review – Cultural Resources."

CR-10. As discussed at the site audit, provide copies of erosion control procedures for the reservoir shoreline.

This information was provided in TVA's letter dated December 14, "Watts Bar Nuclear Plant (WBN) Unit 2 – Additional Information Regarding Environmental Review – Cultural Resources."

CR-11. As discussed at the site audit, provide information on management around less-developed areas of the plant site, for instance, brush removal programs near known historic and archaeological resources or near unsurveyed areas.

This information was provided in TVA's letter dated December 14, "Watts Bar Nuclear Plant (WBN) Unit 2 – Additional Information Regarding Environmental Review – Cultural Resources"

CR-12. During the site audit, staff reviewed a document titled ""Categorical Exclusion (CEC) for the Cleveland FY09 Mechanical Reclearing and Herbicide Application (tracking number 19300)." Provide this document in a referenceable format. Provide vegetation management procedures for the site and associated transmission line(s) to avoid impacts to historic and archaeological resources and sensitive wildlife resources. Provide TVAs policy regarding seasonal access to transmission corridors that cross agricultural lands.

A copy of the requested categorical exclusion is attached.

CR-13. As discussed at the site audit, provide a copy of the Environmental Compliance Manual and any other environmental review procedures for land-disturbing activities (e.g., trenching, clearing, digging).

The Environmental Compliance Manual was provided as part (#41) of TVA's letter dated October 22, 2009, "Additional Information in Support of TVA Final Supplemental Environmental Impact Statement (FSEIS)". Additional guidance is provided in the attached Transmission Operations and Maintenance procedure (TOM-SPP-5.2.001).

CR-14. As discussed at the site audit, provide maps of ownership and land use of the applicant's property and associated transmission lines. Copies of historic plat maps would be useful, if available.

This information was provided in TVA's letter dated December 14, "Watts Bar Nuclear Plant (WBN) Unit 2 – Additional Information Regarding Environmental Review – Cultural Resources."

Land Use

L-1. Verify that current land use at the site and in the vicinity is the same as described in the 1978 FES-OL. Provide a map of the Watts Bar site and vicinity with detail on current land-use coverage categories. This map should reproduce clearly in black and white for use in hardcopy and website versions of the Nuclear Regulatory Commission (NRC) EIS.

TVA will provide this information on or before January 29, 2010.

L-2. As discussed at the site audit, provide land acreage estimates of major coverage type categories (e.g.,forested, built-up, etc.) within the site and boundary and within the vicinity of the site.

TVA will provide this information on or before January 29, 2010.

Transmission Lines

TL-1. As discussed at the site audit, provide a map of the Watts Bar transmission system within the site and to the nearest substations. Include corresponding description of relevant dimensions (e.g., length and width of the corridors) and land-use coverage type in transmission corridor. This map should reproduce clearly in black and white for use in hardcopy and website versions of the NRC EIS.

TVA will provide this information on or before January 29, 2010.

Socioeconomics

S-1. As discussed at the site audit, in order to determine the overall economic impact in the region (focusing primarily on Rhea and Meigs Counties), provide an estimate of the marginal in-lieu tax payment from Tennessee Valley Authority (TVA) that is attributable to the existence of an additional operational nuclear unit (Unit 2) on the Watts Bar site and provide a rough estimate of how much of this payment is distributed to Rhea and Meigs Counties.

Background Information Related to TVA Tax Equivalent Payments

The Tennessee Valley Authority (TVA), as an agency of the federal government, is exempt from paying taxes. However, TVA is directed by Section 13 of the TVA Act to pay 5 percent of its gross proceeds from the sale of power (excluding sales to governmental agencies) to states and counties where its power operations are carried on. These payments are paid to the applicable states and counties in-lieu of property and sales tax payments each year. The states' payments are determined by the following formula:

1. 50 percent is derived from the ratio of book value of TVA power and reservoir properties allocated to power located with each state compared to TVA's total power properties; and

2. 50 percent is derived from the ratio of power sales in each state compared to TVA total power sales (less sales to governmental agencies).

Section 13 of the TVA Act also notes that TVA is required to make direct payments to counties of the two-year average of county ad valorem property taxes (including taxes levied by taxing districts within the respective counties) upon power property and reservoir lands allocable to power. The two-year average payment amount is calculated based upon the last two years during which the property was privately owned and operated. All direct payments made to counties within a State will be deducted from the payment otherwise due to the State under the provisions of the TVA Act.

In addition, section 15 d(g) of the TVA Act allows TVA to be credited for certain taxes paid by leaseholders on TVA-leased properties to state and local taxing jurisdictions, which would reduce the tax liability owed by TVA to these jurisdictions. TVA makes tax payments equivalent to the portion of TVA's ownership to the registered owners of certain leased properties. An offset to the total tax equivalent liability calculated for the state may be taken if the leaseholder is reimbursed by TVA for the property taxes paid on the facility. All direct payments made to counties within a state under section 15d(g) will be deducted from the payment otherwise due to the state under the provisions of the TVA Act.

After payments are calculated and allocated to counties, the remaining portion of the funds allocated to each state are distributed to the state by TVA in equal monthly installments. Each state then distributes its tax equivalent funds based upon the individual state's distribution methodology, as dictated by state legislation. TVA has no direct participation in the allocation or distribution of the overall state payments.

Information related to State of Tennessee

The State of Tennessee retains a specified base amount of $55 million plus 48.5 percent of its TVA payment that exceeds the base amount. From the state's portion of the 48.5 percent increase it is required by statute to pay, annually $3.8 million to counties and $358 thousand to incorporated cities. These payments represent the base amount that the cities and counties were receiving in FY 1977, when the state's procedure for allocating the TVA payments to local entities was modified. Then the Tennessee Advisory Commission on Intergovernmental Relations (TACIR) is paid $107 thousand.

From the remaining 51.5 percent, the state then allocates an additional 48.5 percent between its 95 counties and all incorporated cities. Counties are allocated 70 percent, while cities receive the remaining 30 percent. The redistribution to the cities is based on a population ratio, while the counties' allocation is based on population (30 percent), total acres in a county (30 percent), and the number of TVA-owned acres in a county (10 percent).

The remaining 3 percent of the tax equivalent payments is paid to those counties and cities designated as "impacted due to TVA construction of generating facilities". The amount designated as impact funds to any county and municipalities within such county shall not exceed 10 percent of the total impact funds. Legislation designates 30 percent of the remaining funds be paid to the County Technical Advisory Service (CTAS) and 40 percent of the remaining funds to TACIR. Out of its share, TACIR is required to pay to each of the state's development districts $50,000 or $.05 per capita (whichever is greater) to maintain an infrastructure data base to enhance economical development. Any amount of impact funds remaining after

distribution to impacted counties, TACIR, and CTAS is to be distributed to any regional development authorities that have acquired a former nuclear site from TVA.

The State of Tennessee makes quarterly payments of TVA tax-equivalent payments to all cities and counties in the state.

Based upon the overall calculation methodology for tax equivalent payments, the State of Tennessee receives an overall increase annually attributable to the construction at Watts Bar Nuclear Plant Unit 2 (WBN U2). Please refer to the discussions above for calculation methodology details. The annual increase to the overall Tennessee overall payment that is attributable to WBN U2 is approximately $4.5 million. Please refer to calculation below.

Tax Equivalent Expense
Fluctuation Analysis (in millions)

	FY 2010 (1)	FY 2009 (2)	Total Annual Increase	Increase Attributable to Revenue Increase (3)	Variance (4)
Alabama	123	120	3		
Georgia	9	8	1		
Illinois	<1	<1	-		
Kentucky	48	46	2		
Mississippi	34	32	2		
North Carolina	3	3	-		
Tennessee	320	295	25	19	6
Virginia	1	1	-		
Total	**538**	**505**	**33**		

(1) Based upon audited financial data as of September 30, 2008
(2) Based upon initial financial data as of September 30, 2009.
(3) Year over year increase in taxable revenues is 6.5%
(4) ***Tennessee Variance Discussion:***

Variance attributable to WBN U2	4.5
Variance attributable to Kingston	1.5
Total Variance	6

Based upon the Tennessee Code, as noted within the discussion above, the re-distribution of state allocated funds is based upon a three pronged approach including: 1) county population, 2) total county acreage, and 3) TVA-owned county acreage. As the construction at WBN U2 had no impact on these variables, there is no noted impact to this calculation. The amounts paid to both Rhea County and Meigs County increased in line with overall increase in the state-allocated tax equivalent payment amount. Please refer below for the amounts paid to both Rhea and Meigs Counties in FY09.

Tax Equivalent Expense
FY 2009 Payments

	Direct Payments	State Allocated Payments	Total Payments
Rhea County	6,349	935,505	941,853
Meigs County	3,713	636,529	640,242

**Noted amounts do not include tax equivalent re-distribution payments made to cities within the counties or impact payments.

S-2. Provide the list of counties that have been designated as "impacted" areas during the construction phase of Watts Bar Unit 2, and provide an estimate of the tax equivalency payments these "impacted" counties are (and/or will receive.

The Tennessee Code sets aside 3 percent of TVA's total annual tax equivalent payments for distribution to counties TVA designates as impacted by construction of facilities used to produce electric power. Impact payments are paid to assist counties with the temporary increase in local population due to the construction period. These payments can be used in areas such as local traffic, school age children, and demand for health and safety services.

An impacted county is eligible for up to 10 percent of the total set aside. The impact payments will continue at a full share of 10 percent until the construction is completed. The payments will then continue for three additional years at a decreasing partial share amounts.

The designated local governments of Rhea, Meigs, Roane, McMinn, and Monroe counties, as well as the cities within these counties, are eligible for impact payments related to the construction of WBN U2. The impact payment allotments are distributed to county and city locations based upon population. These payments are in addition to the TVA tax-equivalent funds distributed by the state to local governments.

Distribution of Funds to TVA Impact Areas
FY 2009

Name	Rhea	Meigs	McMinn	Monroe
County Distribution	$ 502,558	$ 600,440	$ 120,560	$ 102,559
City Distribution	175,117	77,235	48,859	32,976
Total Distribution	$ 677,675	$ 677,675	$ 169,419	$ 135,535
% Impact Fund	10%	10%	2.5%	2%

S-3. Provide recent information on the total number of Watts Bar Unit 1 and 2 permanent operations-related employees and describe where these employees live (county-level residence is sufficient).

TVA will provide this information on or before January 29, 2010.

S-4. Briefly describe the outage process associated with Unit 1 and 2 on the Watts Bar site in terms of activities (at a summary level), staffing needs (i.e., number of workers), duration, and frequency. If known, roughly estimate the number of the workforce that are local residents and commute to site relative to the workforce that temporarily moves into the region during the outages.

During a planned outage the unit is shut down and cooled down. This allows for modifications and maintenance, as well as surveillances and inspections that cannot be performed on-line. The reactor is also refueled during the outage. Planned outages typically occur at approximately 18 month intervals and are typically 3-4 weeks in length. WBN typically adds approximately 500 temporary craft for the outage duration. TVA does not know what part of the temporary workforce is local or moves into the region during outages.

S-5. Provide a copy of TVA's "Commitment Tracking - EIS Project 16475."

A copy of the requested categorical exclusion is attached.

S-6. Provide data on the capacity and average usage for regional (ie., Rhea and Meigs Counties) water and sewer utilities (including Decatur Water Department, Dayton Water Department and Wastewater Treatment, Spring City Water System and Waste Treatment, and Watts Bar Utility District).

TVA will provide this information on or before January 29, 2010.

Benefit-Cost

BC-1. At the site audit we were shown a publicly available presentation from an August 1, 2007 TVA board meeting (entitled "Watts Bar Nuclear Plant Unit 2 Completion Studies"), which included a capital cost estimate of $2.49 billion for the completion of Watts Bar Unit 2. Confirm that this capital cost estimate is still a reasonable overnight capital cost estimate associated with the completion of Unit 2 and indicate the appropriate dollar years (e.g., 2007, 2008) associated with this estimate. If this estimate is no longer valid, provide an updated overnight capital cost estimate for the completion of Unit 2.

The document referenced (TVA Board Meeting August 1, 2007 presentation) clearly states that the $2.49 billion is in "(Year of Expenditure Dollars)" not overnight dollars.

The $2.49 billion still remains a reasonable estimate to complete this project.

Dollar years (in thousand $):

FY 08 Actual	FY 09 Actual	FY 10 Budget	FY 11 Budget	FY 12 Budget	Total
$241,227	$468,315	$681,000	$635,000	$468,458	$2,494,000

BC-2. Provide an estimate of levelized operating (i.e., delivered cost) costs associated with power generation from Watts Bar Unit 2 and describe relevant assumptions, including assumed capacity factor. Indicate the amount (either as a percent or in cents/kWh) attributable to fuel costs, decommissioning expenses, and waste disposal costs.

TVA will provide this information on or before January 29, 2010.

BC-3. To assess the potential benefits of operating a plant in the TVA service area, please describe the following information related to power supply and demand (and net needs) in the service area as provided in the TVA's most recent Long-Term Capacity Expansion Plan:

1. *At what rate did net system requirements grow from 1990 to 2008?*
2. *As part of the medium-load forecast, at what average rate are net system requirements projected to grow through 2011 to 2012 timeframe?*
3. *What is the forecasted need for capacity of any type (baseload, intermediate, or peaking) during the 2012 to 2014 timeframe (provide MW estimate)? Include estimates for the low-, medium-, and high-load forecasts.*
4. *What portion of this forecasted need for capacity during the 2012 to 2014 timeframe would be considered baseload need (provide MW estimate)? Include estimates for the low-, medium-, and high-load forecasts.*

Net system requirements grew at a rate of 2.3 percent from 1990 to 2008. Net system requirements are projected to grow at 3 percent during the 2011 to 2012 timeframe for the medium-load forecast.

Total Firm Capacity Needs (MW)

Load Forecast	FY12	FY13	FY14
High	40,932	42,201	43,380
Medium	38,637	39,536	40,414
Low	36,683	36,670	36,936

Total Baseload Needs (MW)

Load Forecast	FY12	FY13	FY14
High	22,701	23,539	24,322
Medium	21,350	21,955	22,548
Low	20,191	20,115	20,314

Hydrology

H-1. During the site audit, staff reviewed a document titled "Groundwater Investigation Report" prepared by ARCADIS G&M Inc. for TVA August 12, 2004. Provide this document in a referenceable format.

TVA will provide the information requested in H-2 and H-3 on or before January 29, 2010.

H-2. If the ARCADIS report cannot be provided, provide a current water-table map of the Watts Bar site including locations of monitoring wells.

TVA will provide this information on or before January 29, 2010.

H-3. If the ARCADIS report cannot be provided, provide an analysis of groundwater travel time from WBN Unit 2 facilities to nearby surface water bodies (accessible environment) taking into account the properties of the site following construction of Unit 2.

TVA will provide this information on or before January 29, 2010.

H-4. Provide a current summary of tritium distribution in groundwater at the WBN site.

TVA will provide this information on or before January 29, 2010.

H-5. In order to better understand the impact of plant operations on site groundwater, provide information on the stage fluctuation of the yard holding pond during a recent year of operations. How are those fluctuations expected to change when WBN Unit 2 begins operation?

TVA will provide this information on or before January 29, 2010.

H-6. The ARCADIS report reviewed at the site audit showed the impact on the water table of a French drain surrounding the power block. How much water is pumped from the French drain annually?

TVA will provide this information on or before January 29, 2010.

H-7. Provide a list of current and likely future downstream water users drawing from the Tennessee River including the estimated population served, average daily use, and approximate distance from the site. Also identify municipal water supplies drawing from surface water bodies within a 50-mile radius of the site.

Table H-7.1 shows the current and expected future downstream public supply water users drawing from the Tennessee River within 50 miles of WBN.

Table H-7.1: Current and Expected Future Public Supply Downstream Water Users

Water User	2005 Withdrawal (mgd)	Estimated Population Served	Radial Distance from WBN (miles)
Dayton	2.51	18,700	14.5
Soddy-Daisy-Falling Water	1.11	9,700	28.6
East Side Utility District	8.15	41,400	40
Tennessee American	41.57	171,000	50

Table H-7.2 lists municipal water supplies drawing water from surface water bodies within a 50-mile radius of WBN.

Table H-7.2: Public Water Supplies Using Surface Water within 50 Miles of WBN

State	County	Name
TN	Anderson	Anderson County Utility Board
TN	Anderson	Oak Ridge Department of Public Works
TN	Blount	South Blount
TN	Bradley	Cleveland Utilities
TN	Bradley	Hiwassee Utility Commission
TN	Cumberland	Crab Orchard Utility District
TN	Cumberland	Crossville Water Department
TN	Hamilton	Tennessee-American Water Company
TN	Hamilton	Soddy-Daisy-Falling Water Utility District
TN	Hamilton	Eastside Utility District
TN	Hamilton	Hixson Utility District
TN	Knox	Hallsdale-Powell Utility

TN	Knox	First Utility District of Knox County
TN	Knox	West Knox Utility District
TN	Loudon	Lenoir City Utility Board
TN	Loudon	Loudon Utilities Board
TN	McMinn	Athens Utilities Board
TN	McMinn	Englewood Water Department
TN	McMinn	Etowah Utilities District
TN	Monroe	Sweetwater Utility Board
TN	Monroe	Tellico Area Service System
TN	Morgan	Plateau Utility District
TN	Morgan	Brushy Mountain State Prison
TN	Polk	Copper Basin Utility District
TN	Putnam	Monterey Water Department
TN	Rhea	Dayton Water Department
TN	Rhea	Spring City Water System
TN	Roane	Harriman Utility Board
TN	Roane	Kingston Water System
TN	Roane	Cumberland Utility District
TN	Roane	Rockwood Water System
TN	Sequatchie	Dunlap Water System
TN	Van Buren	Spencer Water Department
TN	Warren	Warren County Utility District
TN	White	Sparta Water System
TN	White	Bon de Croft Water District

H-8. Provide a current list of groundwater users in the vicinity of the WBN site including an estimate of annual withdrawal.

Table H-8.1 shows current groundwater users near WBN.

Table H-8.1: Groundwater Users near WBN

Groundwater User	2005 Annual Withdrawal (mgd)	Radial Distance From WBN (miles)
Watts Bar Utility District	0.7	4
Decatur Water Department	0.7	4
Athens Utility Board	1.0	14.8
Graysville Water Department	0.2	18.5
Lauralbrook School	0.03	20.2

H-9. Provide a current table of dilution factors and travel times for downstream water users within an 80-kilometer (50-mile) radius of the WBN Plant.

Have any of the users listed in the 1995 EIS ceased water withdrawal? Are there new users to be considered? Have any changes occurred that result in changes to the dilution factors reported.

TVA will provide this information on or before January 29, 2010.

H-10. Table 2.3 of the Final Environmental Statement related to the operation of Watts Bar Nuclear Plant Units Nos. 1 and 2 (1978) (NUREG 0498) summarized water quality in Chickamauga Reservoir adjacent to the Watts Bar site. Identify any changes to water quality since publication of that table.

The data contained in Table 2.3 were compared to data obtained from sampling events in 2006 through 2008. Based on this review, the data of Table 2.3 remain representative of the water quality near WBN. The 2006-2008 data appear below. (Concentration units are mg/L.)

	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08
Al	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1
Ba	<0.1	<0.1	<0.1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.05	<0.05	<0.05	<0.05
B	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cd	<0.01	<0.01	<0.01	<0.40	<0.40	<0.40	<0.40	<0.04	<0.04	<0.04	<0.04	<0.04	<0.05	<0.05	<0.05	<0.05
Ca	14	19	19	24	25	24	22	23	21	24	22	23	17	25	21	21
Cr	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05
Cu	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05
Fe	0.13	0.08	0.11	0.04	0.03	0.05	0.10	0.08	0.04	<0.01	<0. 05	0.05	0.17	<0.05	<0.05	<0.05
Pb	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1
Li	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05
Mg	3.3	4.9	4.9	6.0	5.9	5.5	5.1	5.9	5.5	5.9	5.9	6.0	3.9	5.6	6.2	5.2
Mn	0.02	0.02	0.02	<0.01	0.03	0.01	0.03	0.02	0.02	<0.01	0.01	0.02	<0.05	<0.05	<0.05	<0.05
Mo	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ni	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05
P													<0.1	<0.1	<0.1	<0.1
PO4	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<0.2	<0.3	<0.3	<0.3
K	1.6	1.6	1.5	1.9	1.9	1.8	2.0	1.8	1.7	1.8	1.9	2.0	1.7	2.1	1.9	2.2
Si02	6.0	4.9	2.3	1.2	2.3	3.3	5.6	4.9	2.1	3.0	4.5	4.6	2.8	1.7	3.2	4.3
Na	5.3	6.4	6.3	6.5	6.9	6.7	8.1	7.7	6.9	6.2	9.0	10.0	6.9	7.5	9.2	9.5
Sr	0.04	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.06	0.08	0.09	0.08
V	<0.01	<0.01	<0.01	<0.20	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.05	<0.05	<0.05	<0.05
Zn	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05
Ca (as CaC03)	34	48	48	60	64	61	56	58	52	61	56	57	43	63	53	53
Mg (as aC03)	14.0	20.0	20.0	25.0	24.0	23.0	21.0	24.0	23.0	24.0	24.0	25.0	16.0	23.0	26.0	21.0
Na (as CaC03)	12.0	14.0	14.0	14.0	15.0	15.0	18.0	17.0	15.0	13.0	20.0	22.0	15.0	16.0	20.0	21.0
Harness (as CaC03)	48	68	68	85	88	84	77	82	75	85	80	82	59	86	79	74
Br	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cl	5.3	6.3	7.4	7.1	6.5	6.7	7.8	7.2	5.9	6.6	9.0	10.0	6.7	7.1	9.0	9.0
NO3	1.6	2.1	1.1	0.74	0.37	<0.20	0.38	1.4	0.97	<0.20	0.21	1.3	1.2	0.26	0.27	1.5
NO2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
SO4	10	14	14	14	13	14	13	17	14	14	17	19	14	15	20	17
Cl (as CaC03)	7.5	8.9	10	10	9.2	9.4	11	10	8.3	9.4	13	15	9.4	10	13	13
NO3 (as aC03)	1.3	1.7	0.85	0.60	0.30	<0.16	0.31	1.10	0.78	<0.16	0.17	1.00	0.95	0.21	0.22	1.20
SO4 (as CaC03)	11	14	15	15	14	14	14	18	15	15	18	20	14	15	21	17
Bicarbonate ALK	36	51	49	73	84	80	73	76	60	79	75	71	51	69	73	61
Methyl Orange ALK	36	51	49	73	85	80	73	76	60	79	75	71	51	69	73	61
Phenolphthalein ALK	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<10	<10	<10	<10	<10	<10
pH	7.6	8.0	8.0	8.3	8.3	8.1	8.1	7.8	8.1	8.2	8.1	7.9	7.3	8.0	8.1	7.9
Conductivity	120	160	170	180	200	190	190	200	170	200	210	210	150	190	220	190
Tot Organic Carbon													<2.0	<2.0	2.2	
TSS	<2.4	<2.4	<2.4	<2.4	<1.5	<1.5	<1.7	<1.5	<1.5	<1.5	1.1	3.6	4.5	<1.6	<1.6	
Turbidity	3.9	2.1	3.1	1.8	1.7	0.49	3.7	1.8	1.0	0.6	<1.7	0.9		0.9	1.5	2.2

H-11. Provide through screen velocities for water entering the Intake Pumping Station under normal operating conditions with WBN Units 1 and 2 operating. Provide a diagram of the intake pumping station that includes dimensions of intake openings, location, and characteristic of trash racks and traveling screens to allow staff to validate the velocity provided.

TVA will provide this information on or before January 29, 2010.

H-12. Provide through screen velocities for water entering the Supplemental Condenser Cooling Water (SCCW) system under normal operating conditions with WBN Units 1 and 2 operating. Provide a diagram of the SCCW intake structure that includes the dimensions of intake openings, location, and characteristics of trash racks and traveling screens to allow staff to validate the velocity provided.

TVA will provide this information on or before January 29, 2010.

H-13. Provide a description of how the cooling system will be operated under normal winter and summer operations. Provide a copy of the TVA procedure for operations of the cooling systems to make sure National Pollutant Discharge Elimination System (NPDES) permit conditions are not exceeded.

TVA will provide this information on or before January 29, 2010.

H-14. Provide a water balance and heat balance for the operation of WBN Units 1 and 2. Indicate where incremental increases in water use will occur as a result of initiating operation of Unit 2. Provide this information for normal summer and winter operation and for the operational mode which has the greatest impact on the receiving water body (effluent temperature, instream temperature, and instream temperature rate of change).

TVA will provide this information on or before January 29, 2010.

H-15. Thermal Description and Physical Impacts. Provide the calculation package for all runs that support the application (CORMIX or other models). Include electronic copies of all input and output files.

TVA will provide this information on or before January 29, 2010.

H-16. The figure included in Appendix B of the 2007 TVA EIS shows water flow rates for plant systems with one unit in operation. Provide an update of this figure showing the flow rates for the system with WNB Unit 1 and 2 in operation. Provide an update to the table on page 3-3 of 1978 EIS to include values that include the flow rates needed for both units in operation.

TVA will provide this information on or before January 29, 2010.

H-17. ESRP 5.3 directs the staff to describe the cooling system impacts of station operation. Temperature evaluations associated with the operation of Unit 1 provide insight into potential impacts of Unit 2 operations. As such staff request the following document on the impact of WBN 1 operation on receiving water temperature:

- *TVA 2006b. Watts Bar Nuclear Plant (WBN) -Unit 1 -Technical Specification (TS) Change TS-06-09, "Revision of Ultimate Heat Sink (UHS) Temperature," TVA letter to U.S. Nuclear Regulatory Commission, May 8, 2006.*

This document is available on NRC ADAMS Accession number ML061310178.

H-18. What is the current expectation for blowdown discharge for operating WBN Units 1 and 2? The 2007 TVA EIS states "For the original heat dissipation system, the maximum discharge

from the plant diffusers due solely from blowdown from the cooling towers was expected to be about 50 cfs for the operation of one unit and 85 cfs for the operation of both units (TVA 1977b)."

TVA will provide this information on or before January 29, 2010.

H-19. ESRP 5.2.1 directs staff to consider hydrologic alterations such as maintenance dredging. Is periodic maintenance dredging of the intake canal required/planned? If so, how are intake operations conducted to supply the plant's raw water demand while dredging of the intake channel. Would maintenance dredging of the barge unloading facility be required prior to future use? Are any other dredging actions associated with operation of WBN Unit 2 being considered? How would dredged material be disposed of?

TVA will provide this information on or before January 29, 2010.

H-20. From the past 5 years, provide any release notifications, violation information (NOVs), or remediation documentation associated with surface-water discharges, septic or sewage systems, groundwater or soil contamination (including spills, leaks, and other releases of fuel solvents, or other chemicals).

This information was provided as part (#51) of TVA's letter dated October 22, 2009, "Additional Information in Support of TVA Final Supplemental Environmental Impact Statement (FSEIS)."

H-21. The ER states (p. 52) "Operation of Unit 2 along with Unit 1 would result in an increase of raw water intake usage at the IPS by an estimated 33 percent compared to sole operation of Unit 1." Why does water withdrawn at the IPS only increase 33 percent for a doubling of the amount of cooling needed?

TVA will provide this information on or before January 29, 2010.

H-22. The ER states that potable water will be obtained from the Watts Bar Utility District. What is the volume of water provided by WBUD to support the operation of Unit 1 and what is the anticipated additional increment of water needed from the utility district to support the operation of Unit 2? What is the total anticipated water need from the district in the future? What are the environmental impacts associated with the WBUD obtaining and providing the additional water.

TVA will provide this information on or before January 29, 2010.

H-23. What is the anticipated normal and maximum volume of effluent to be pumped to the Spring City sewage treatment plant with WBN Units 1 and 2 in operation?

The attached chart provides the actual sewage usage for WBN since tie-in to the Spring City sewage treatment plant. The sewage volume for the 1st period (09/16/2008) was abnormally high due to pumping out of the WBN Sewage Treatment Plant volume as part of the decommissioning effort.

Per the contract with Spring City under Section IV (c), "City shall provide and maintain for TVA a collection and treatment capacity of One Hundred Thousand (100,000) gallons per day. The City reserves the right to assess a fee against TVA on or after the second (2nd) year following the In-Service Date, which shall equal fifty percent (50%) of the Processing Fee for all flows that exceed the limitations of this Article IV(c)." The forced main sewage line that connects WBN to

the Spring City Sewage Treatment Plant has capacity to transport volume greater than the 100,000 gallons and was sized for 500,000 gallons/day to allow for the future addition of new customers between WBN and Spring City. The future addition of customers is dependent on the Watts Bar Utility District and Spring City reaching an agreement on jurisdiction/cost sharing and processing an Environmental Impact. The pumps that are currently installed in the system have been sized to accommodate the volumes for WBN only and may require change-out if future customers are added.

Currently WBN has approximately 2,521 (Unit 1 = 869 and Unit 2 = 1,652) personnel onsite, with sewage usage volume of 36,974 gallons/day per the November 12, 2009 meter reading date. This equals a volume of approximately 14.7 gallons per person daily. During August 2009, there were approximately 2,011 personnel onsite and the sewage usage volume was 29,260 gallons/day which equals approximately 14.5 gallons per person daily. The steady state staffing level for WBN U1 and U2 after Unit 2 construction is completed is currently targeted at 1,200 excluding major project and outage staffing. Therefore, the normal daily volume at approximately 15 gallons per person daily would equal 18,000 gallons per day to support the steady state staffing target. The peak staffing to Unit 2 completion and a Unit 1 Refueling Outage at the same time is estimated to be approximately 4,000 which would result in a sewage volume of 60,000 gallons per day using the 15 gallons per person daily factor.

H-24. When did the tie in to the Spring City sewage treatment plant become effective?

TVA notified the Tennessee Department of Environment & Conservation by letter dated September 10, 2008, that the WBN sewage treatment plant had been connected to the Spring City Publicly Owned Treatment Plant effective August 9, 2008. However, the effluent box was filled with gravel on October 3, 2008, and this would be a more accurate termination date of the discharge from IMP 111.

H-25. What is the concentration of total dissolved solids in the water discharged from the cooling tower basins through the diffuser? How does this compare to the concentration in the intake water

TVA will provide this information on or before January 29, 2010.

H-26. On one of the tours during the site audit, we visited the onsite landfill and were told it is not currently being used. How will solid waste from operation of WNB Unit 2 be disposed of?

TVA will provide this information on or before January 29, 2010.

H-27. Provide a figure of the WBN site that identifies site drainage features. This figure should reproduce clearly in black and white for use in hardcopy and website versions of the NRC EIS.

A figure that depicts site drainage features is attached.

H-28. Provide an update of Table 3-10 of the 2007 EIS that reflects changes in chemical use and site operations since closure of the sewage treatment plant and change in chemical use at the site documented in the April 2009 letter, "Watts Bar Nuclear Plant (WBN) -National Pollutant Discharge Elimination System (NPDES) Permit No. TN0020168-Request For Raw Water Treatment Modification." Letter from Darin Hutchison to Mr. Vojin Janjic.

TVA will provide this information on or before January 29, 2010.

H-29. Provide a recent analysis of groundwater quality on the WBN site. ESRP 2.3.3 calls for staff to review water quality parameters including total dissolved solids, hardness, odor, conductivity, phosphorus forms (total and orthophosphate), nitrogen forms (ammonia, nitrate, nitrite, organic), alkalinity, chlorides, sulfate, sodium, potassium, calcium, magnesium, heavy metals (e.g., Hg, Pb), pH, silica, iron, carbon dioxide, and bicarbonate.

How will the operation of Unit 2 impact groundwater quality on the WBN site?

TVA will provide this information on or before January 29, 2010.

H-30. Identify the survey datum used to establish elevations reported for the WBN site and facilities (for example NAVD88 or NGVD29).

TVA will provide this information on or before January 29, 2010.

General

G-1. Provide the requested figures that reproduce clearly in both black-and-white and color, and that can be modified as necessary, for use in hardcopy and website versions of the EIS. If GIS was used to create the figures, provide the shapefiles/metadata that accompanies the figure. For each figure, provide a high-resolution (300 dpi or higher) PDF made from a source file. Figures and supporting files for the following figures from the TVA 2007 EIS -

- *Figure 1-1*
- *Figure 1-2*
- *Figure 2-1*
- *Figure 2-2*
- *Figure 3-1*
- *Figure 3-2*
- *Figure 3-4*

Figure 2.4-105 from the FSAR, Amendment 94

Copies of the requested figures are attached.

G-2. Provide all 2007 TVA EIS references, including documents that are referenced in the EIS appendices. The only references from the 2007 TVA EIS that the NRC is not requesting are those that have been published by the NRC and those that are publically available.

This information was provided as part of TVA's letter dated October 22, 2009, "Additional Information in Support of TVA Final Supplemental Environmental Impact Statement (FSEIS). "

G-3. As discussed at the site audit, cumulative impacts will be included as part of the EIS. Provide current updated information on other nearby industrial facilities, other nuclear facilities, and other projects within a 50-mile radius of the site. This should include updated information on major water users within a 50-mile radius as well as facilities that discharge into the Tennessee River.

Table G-3.1: Water Withdrawal for Industrial Facilities and Thermoelectric Power Plants within a 50-Mile Radius of WBN

State Name	County Name	Name	City	SIC Code	2005 Average Annual Withdrawal (mgd)
TN	Anderson	USDOE Oak Ridge	Oak Ridge		1.2
TN	Anderson	Bull Run Fossil Plant	Oak Ridge	4911	563.2
TN	Bradley	Olin Chemicals	Charleston	2812	3.9
TN	Hamilton	Invista-Dupont	Chattanooga	2821	4.2
TN	Hamilton	Sequoyah Nuclear Plant	Soddy-Daisy	4911	1539.3
TN	Knox	Vinylex Corporation	Knoxville	3082	0.0
TN	Loudon	Viskase Corp	Loudon	3089	1.5
TN	Loudon	Kimberly Clark Corp.	Loudon	2621	5.0
TN	McMinn	Bowater Newsprint	Calhoun	2611	70.0
TN	Rhea	Watts Bar Nuclear Plant	Spring City	4911	188.2
TN	Roane	Kingston Fossil Plant	Kingston	4911	1280.0

Table G-3.2: Thermoelectric and Major Industrial Discharges to the Tennessee River or Major Tributary within 50 Mile Radius of WBN

State Name	County Name	Name	2005 Average Annual Discharge (mgd)	City	Receiving Stream
TN	Anderson	Bull Run Fossil Plant	563.2	Oak Ridge	Clinch River
TN	Bradley	Olin Chemicals	1.9	Charleston	Hiwassee River – Chickamauga Reservoir Backwater
TN	Hamilton	Invista-Dupont	3.0	Chattanooga	Tennessee River
TN	Hamilton	Sequoyah Nuclear Plant	1539.2	Soddy-Daisy	Tennessee River
TN	Loudon	Kimberly Clark Corp	4.7	Loudon	Tennessee River
TN	McMinn	Bowater Newsprint	62.8	Calhoun	Hiwassee River – Chickamauga Reservoir Backwater
TN	Rhea	Watts Bar Nuclear Plant	173.9	Spring City	Tennessee River
TN	Roane	Kingston Fossil Plant	1279.2	Kingston	Emory River

Figure G-3.3: Major Municipal Water Users Withdrawing from the Tennessee River or Major Tributary within 50-Mile Radius of WBN

State	County	Public Supply System	2005 Average Annual Withdrawal (mgd)
TN	Anderson	Anderson County Utility Board	1.1
TN	Anderson	Clinton Utilities Board	1.9
TN	Anderson	Oak Ridge Dept of Public Works	10.2
TN	Bradley	Cleveland Utilities	6.5
TN	Bradley	Hiwassee Utility Commission	3.7
TN	Hamilton	Soddy-Daisy-Falling Water	1.1
TN	Hamilton	East Side U.D.	8.2
TN	Hamilton	Tennessee American	41.6
TN	Knox	Hallsdale Power U.D.	6.2
TN	Knox	Knoxville Whitaker Plant	32.6
TN	Knox	West Knox U.D.	5.7
TN	Loudon	Loudon Utilities Board	8.0
TN	Loudon	Lenoir City Utility Board	1.2
TN	Rhea	Spring City Water System	0.5
TN	Rhea	Dayton	2.5
TN	Roane	Rockwood Water System	2.4
TN	Roane	Kingston Water System	0.9
TN	Roane	Harriman Utility Board	2.4

Table G-3.4: Municipal Wastewater Discharges on the Tennessee River within 50-Mile Radius of WBN

State	County	Name	2005 Average Annual Discharge (mgd)
TN	Blount	Maryville STP	9.2
TN	Knox	First U.D. Knox Co Turkey Creek	6.9
TN	Knox	Knoxville Fourth Creek STP	7.0
TN	Loudon	Lenoir City STP	1.1
TN	Loudon	Loudon STP	6.5
TN	Rhea	Spring City STP	0.6
TN	Rhea	Dayton STP	1.7
TN	Roane	Kingston STP	0.7
TN	Roane	Rockwood	1.3
TN	Roane	Roane County STP	0.3

G-4. As discussed at the site audit, provide the procedure for reporting and keeping records of environmental data that will be used during operation of WBN Unit 2.

The WBN procedure "Environmental Reports and Regulatory Submittals" was provided as part (#61) of TVA's letter dated October 22, 2009, "Additional Information in Support of TVA Final Supplemental Environmental Impact Statement (FSEIS)." This procedure will be used for WBN Unit 2 environmental reports and submittals.

G-5. Provide a list of all authorizations, consultations, and environmental permits and approvals needed for operation of Unit 2 and provide a status for each item.

TVA will provide this information on or before January 29, 2010.

Meteorology

M-1. As discussed at the site audit, provide 50 percent X/Q values for use in the environmental review of DBAs. The timeframes and distances for the environmental review X/Q values should be the same as those in the FSAR.

Meteorological data was provided as part (#65) of TVA's letter dated October 22, 2009, "Additional Information in Support of TVA Final Supplemental Environmental Impact Statement (FSEIS)". This data can be used to compute 50 percent X/Q values for use in the environmental review of DBAs.

Design Basis Accidents

DBA-1. As discussed at the site audit, provide analyses of the DBAs considered in the FSAR that use realistic (50 percent) X/Qs with sufficient information to permit staff to independently evaluate the doses.

Meteorological data was provided as part (#65) of TVA's letter dated October 22, 2009, "Additional Information in Support of TVA Final Supplemental Environmental Impact Statement (FSEIS)". This data can be used to compute 50 percent X/Q values for use in the environmental review of DBAs. The computed 50 percent X/Q values can be used to compute the doses.

TVA will provide this information on or before January 29, 2010.

Severe Accidents

SA-1. As discussed at the site audit, provide MACCS input and output files for Watts Bar Unit 2 that include analyses for all severe accident release classes including the release class or classes in which radionuclides are released to reactor containment and containment remains intact.

The MACCS files other than containment remains intact are attached. TVA is developing the containment remains intact model. These files will be submitted on or before January 29, 2010.

SA-2. As discussed at the site audit, provide a discussion of the potential risks associated with external initiating events and accidents that might occur when the reactor is not at power and the relative frequency of such events and accidents.

TVA will provide this information on or before January 29, 2010.

Severe Accident Mitigation Alternatives

SAMA-1. As discussed at the site audit, provide a discussion of the extent to which the January 2009 assessment considers the risks (core damage frequencies) associated externally initiated events and events that might occur when the reactor is shut down.

TVA will provide this information on or before January 29, 2010.

SAMA-2. As discussed at the site audit, provide a discussion of the bases for estimating the costs of implementing design alternatives for the January 2009 document.

TVA will provide this information on or before January 29, 2010.

Aquatic Ecology

AE-1. Additional data has been collected since the publication of the FES-CP. The vast majority of the impingement in 2005 to 2006 was due to threadfin shad. The ESRPs state that cropping rates in relation to standing stock estimates for species populations should be considered. As discussed at the site audit, provide a population estimate of threadfin shad in the Watts Bar Reservoir to use as a metric for standing stock estimates.

TVA will provide this information on or before January 29, 2010.

AE-2. Explain the apparent difference between the number of fish impinged during the August 1974 to July 1975 impingement sampling from the intake for the WBF as reported on pages 34 and 35 of the SCCW EA, and the discussion of impingement during the same timeframe on pages 3 and 4 and Table 4 for the 316(b) analysis, dated 2007 ("Fish Impingement at Watts Bar Nuclear Plant Supplemental Cooling Water Intake Structure during 2005-2007).

TVA will provide this information on or before January 29, 2010.

AE-3. As discussed at the site audit, provide an updated Table C-7 from the 2007 TVA EIS that corrects the discrepancy in the heading of the sixth column, and appropriately describes the use of the word "Total" in the last column heading.

TVA will provide this information on or before January 29, 2010.

AE-4. TVA 1998 Figure 3-2 shows the location of the sampling stations at three native mussel beds surveyed during the preoperational and operational monitoring programs (TRM 520-521 L; TRM 526-527R and TRM 528-529L). Table C-7 of the FSEIS (pages 155 and 156) indicates that sampling was conducted in 1997 at TRM 529.2R. Indicate whether this is an additional existing mussel bed and provide the extent of this mussel bed and/or the reference that discusses the sampling and its location. If additional mussel beds are known to occur in this reach beyond those specified above, provide the locations of the beds.

In addition, Table C-7 of the FSEIS shows that monitoring of mussels only occurred at 529.2R during the 1997 sampling period. However, Table 3-6 of TVA 1998 provides results of mussel surveys at TRM 528.2 to 528.9. Provide an updated Table C-7 that provides the data for all of the surveys that were conducted in the mussel beds closest to the Watts Bar site from surveys in 1990, 1992, 1994, 1996 and 1997.

TVA will provide this information on or before January 29, 2010.

AE-5. As discussed at the audit, provide the most recent TVA annual biological monitoring reports or recent Reservoir Vital Signs measurements for the Watts Bar Reservoir.

TVA annual biological reports for 2008, 2007, and 2006 were provided as part (#10, 11 and 12 respectively) of TVA's letter dated October 22, 2009, "Additional Information in Support of TVA Final Supplemental Environmental Impact Statement (FSEIS)".

AE-6. Provide a figure that shows the detailed features of the site, including major hydrological features and proposed or existing sampling stations and monitoring locations. Include the approximate locations for annual environmental monitoring of fish and invertebrates.

Maps depicting the sample site for annual environmental monitoring of fish and invertebrates are attached.

AE-7. Provide a statement regarding whether any operational monitoring programs of aquatic organisms including fish and mussels will be conducted after WBN 2 begins operation. If so, provide details related to the type of monitoring, location, and frequency of monitoring.

TVA will provide this information on or before January 29, 2010.

AE-8. As discussed at the site audit, provide an analysis that compares the preoperational and post-operational differences or similarities in fish species from Unit 1 operations in terms of occurrence and trends in the Chickamauga Reservoir.

Attached is TVA report "Comparison of Fish Species Occurrence and Trends in Reservoir Fish Assemblage Index Results in Chickamauga Reservoir before and after Watts Bar Nuclear Plant Unit 1 Operation."

AE-9. Provide a description of the mussel habitat formation project that was performed by TVA downstream of the Watts Bar dam. Describe any observed changes to the mussel population at that location and any plans for further studies or habitat improvements for the mussels.

Attached is TVA report "Preliminary Evaluation of an Artificial Boulder Field for Enhancing Native Mussel Habitat in the Watts Bar Tailwater, Tennessee River Mile 528.5" (February 2002)

AE-10. Provide the following documents:

1. *Kay L.K. and J.P. Buchanan. 1995. Effects of thermal effluent from Sequoyah Nuclear Plant on fish populations in the Chickamauga Reservoir. Tennessee Valley Authority. Water Resources, Environmental Compliance, Chattanooga, TN.*

2. *Hickman and J.P. Buchanan. 1996. Chickamauga Reservoir sauger investigation 1993-1995 final project report. Tennessee Valley Authority, Water Management, Chattanooga, TN.*

3. *TVA 1994a -Chapter 5. Letter from DE Nunn, TVA, to U.S. NRC. August 5, 1994. Subject: "Watts Bar Nuclear Plant (WBN) Units 1 and 2 -Request for Additional Information Relating to Final Environmental Statement." (From SFEIS (1995); page 5-31)*

4. *TVA 1994g -Chapter 5. Letter from DE Nunn, TVA, to U.S. NRC. September 27, 1994. Subject: "Watts Bar Nuclear Plant (WBN) -Response to NRC's Request for Additional Information Related to the Watts Bar Environmental Review." (From SFEIS (1995 page 5-31)*

Copies of documents #1 and #2 are attached. Document #3 is available on NRC ADAMS Accession number 9408120253. Document #4 is available on NRC ADAMS Accession number 9410060109.

Terrestrial Ecology

TE-1. As discussed at the site audit, provide a map of terrestrial habitats on the WBN site, including wetlands and streams.

TVA will provide this information on or before January 29, 2010.

TE-2. As discussed at the site audit, provide an updated list of federal- and state-listed species that may occur on or within 1/2 mile of the WBN site and transmission corridors.

TVA will provide this information on or before January 29, 2010.

TE-3. Provide updated distribution and abundance information describing known occurrences of federal- and state-listed species within 1/2 mile of the transmission corridors that service the WBN site from the site to the first substation.

TVA will provide this information on or before January 29, 2010.

TE-4. As discussed at the site audit, provide a list of and distribution information on exotic invasive species that may occur on the WBN site, within the transmission corridors, and within 1/2 mile of the WBN site and the transmission corridors.

TVA will provide this information on or before January 29, 2010.

TE-5. During the site audit, staff reviewed a document titled "Categorical Exclusion Checklist for the WBN U-2 Powerline Upgrade (tracking number 18217)". Provide this document in a referenceable format.

This information was provided as part (#9) of TVA's letter dated October 22, 2009, "Additional Information in Support of TVA Final Supplemental Environmental Impact Statement (FSEIS)."

TE-6. Provide the WBN Environmental Compliance Manual chapter that addresses erosion/storm water pollution prevention controls.

The Environmental Compliance Manual was provided as part (#41) of TVA's letter dated October 22, 2009, "Additional Information in Support of TVA Final Supplemental Environmental Impact Statement (FSEIS)."

Radiological Protection

RP-1. As discussed during the site audit, the analysis on dose to the population was updated in the 2007 FSEIS. However, the data was not sufficient for staff to conduct independent validation of the conclusions. Based on the data needs found in the revised ESRP 5.4, Exposure Pathways, provide the following data (including references for where data were obtained).

a. *Confirm that there are no milk goat or meat animals are present in the 5-mi radius.*
b. *Provide the direction and distance for the nearest residence, nearest garden, and nearest milk cow.*
c. *Confirm that releases are calculated as ground level releases*
d. *Provide nearest site boundary distances for the 16 cardinal compass directions*
e. *Confirm that FSAR Section 11 (11.3.10.1 "worst case feeding factor identified during the 1994 land use census for any real cow location (Le., 70% pasture feeding)." Milk feeding factors are listed in FSAR Table 11.3-10 is the appropriate data for determining the grazing seasons and fraction of daily intake of milk cows derived from pasture or fresh forage during the grazing season.*
f. *Provide data on fraction of the year that leafy vegetables are grown (Note: FSAR Section 11 (11.3.10.1 "TVA assumes that enough fresh vegetables are produced at each residence to supply annual consumption by all members of that household.") Confirm and provide basis for absolute humidity: Factor H Table 6.3 p. 85/195 of ODCM (9 g/m^3).*
g. *For the locations from which an individual can obtain aquatic food and/or drinking water and the shoreline areas that an individual can use for recreational purposes, provide the transit time of each facility discharge stream containing liquid radwaste discharge from the point at which the stream enters an unrestricted area to the identified location, and the estimated stream dilution at that location.*
h. *For each liquid radwaste discharge, the transit time from input to a facility discharge stream to the point at which the stream enters an unrestricted area, and the stream discharge in m^3/sec (Note: Reg Guide 1.109 P 1.109-12 lists 12 hours as a minimum transit time for potable water.)*
i. *Provide the following distributional data for each of the 22.5-degree radial sectors centered on the 16 cardinal compass directions for radial distances of 2, 4, 6, 8, 10, 20, 40, 60, and 80 km (1.2, 2.5, 3.7, 5, 6.2, 12, 25, 27, and 50 mi) from the reactor: (1) projected population for five years from the time of the licensing action under consideration, (2) present annual meat production (kg/yr), (3) present annual milk production (L/yr), (4) present annual vegetable production (kg/yr), and (5) estimate of direct radiation doses from sources within the site.*
j. *Provide the present commercial fish catch (in kg/yr from waters within 50 mi downstream of the facility radwaste discharge (Note: Fish harvest -3.04 lb/acre/y (variable HVST P77/195 of ODCM. From reference 12 (1 TVA memorandum on fish harvest. Dated Dec 15, 1987.) Confirm that there is no invertebrate catch to be considered. Provide transit time from the point at which the discharge stream enters an unrestricted area to each major catch location, the estimated dilution at each location, and the basis for calculating transit time and dilution.*
k. *Provide the transit time and estimated dilution at each major location for drinking water intake locations within 80 km (50 mi) of the facility radwaste discharge (downstream or radius), the basis for calculating transit time and dilution, and the populations served or the daily water consumption at each location.*
l. *Confirm that irrigation is not used for crops in the vicinity.*
m. *Confirm that there are no unusual animals, plants, agricultural practices, game harvests, or food processing operations having the potential to contribute 10 percent or more to*

either individual or population doses in areas affected by liquid effluents, and food-processing operations involving large quantities of water.

n. *Provide the reference(s) for the sources or radioactive liquid and gaseous waste released from Unit 2, as addressed in the TVA FSEIS, Section 3.14, pp. 91-94.*
o. *Identify (preferably on a diagram) and provide a reference for principal release points for gaseous and liquid radioactive materials to the environment.*

Identify and provide a reference for direct radiation sources within or onsite out-of-plant as solid waste (e.g., independent fuel storage).

TVA will provide this information on or before January 29, 2010. TVA will have further discussion with NRC staff with respect to item RP-1i.

RP-2. As discussed at the site audit, dose to biota was calculated in the 1978 NUREG-0478. However, this analysis cannot be validated using the current guidance. The following information is needed to meet the intent of NUREG-1555, ESRP 5.4.4

(1) Identify the representative biota for the area (see ESRP 5.4.4).
(2) Identify the pathways of exposure to the biota
(3) Based on the above, perform dose calculations to biota using the radioactive source term used for the human dose calculations

TVA will have further discussion with NRC staff with respect to this request.

Transportation

TR-1. On the bottom of page 99 of the TVA 2007 EIS, the applicant states the 1972 FES analysis was based on annual shipment of about 100 tons of "natural uranium." Clarify (and provide a reference) that Watts Bar Unit 2 will use low-enriched uranium fuel.

WBN Unit 2 will use Westinghouse RFA-2 fuel assemblies. These assemblies have initial enrichment of U-235 less than 5.0 wt%. This is discussed in section 4.3 of the WBN Unit 2 Final Safety Analysis Report that was submitted on November 24, 2009.

TR-2. In Section 3.16 of the TVA 2007 EIS, the applicant refers frequently to "tons" of new fuel. Confirm that the unit is "MTU".

TVA will provide this information on or before January 29, 2010.

Enclosure 2
List of Commitments

1. TVA will provide additional information on or before January 29, 2010.

Watts Bar Unit 2 Project (WBN U2) - Stakeholder Notifications
Valley Relations (as of December 20, 2007)

Alabama Officials

U.S. Senators	Office of Senator Jeff Sessions	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Office of Senator Richard Shelby	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
U.S. Representatives	Office of Congressman Robert Aderholt	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Office of Congressman Bud Cramer	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Office of Congressman Artur Davis	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2

Georgia Officials

U.S. Senators	Office of Senator Saxby Chambliss	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Office of Senator Johnny Isakson	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 •
U.S. Representatives	Office of Congressman Nathan Deal	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Office of Congressman Phil Gingrey	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
State Representatives	Representative Ron Forster (District 3)	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2

Kentucky Officials

U.S. Senators	Office of Senator Jim Bunning	• 2/6/07 e-mail update regarding status of WBN U2 • 8/3/07 e-mail briefing regarding status of WBN U2
	Office of Senator Mitch McConnell	• 2/6/07 e-mail update regarding status of WBN U2 • 8/3/07 e-mail briefing regarding status of WBN U2
U.S. Representatives	Office of Congressman Rocky Adkins	• 8/3/07 e-mail briefing regarding status of WBN U2
	Office of Congressman Eddie Ballard	• 8/3/07 e-mail briefing regarding status of WBN U2
	Office of Congressman Jim Gooch	• 8/3/07 e-mail briefing regarding status of WBN U2
	Office of Congressman Thomas McKee	• 8/3/07 e-mail briefing regarding status of WBN U2

U.S. Representatives (Continued)	Office of Congressman Ron Lewis	• 2/6/07 e-mail update regarding status of WBN U2 • 8/3/07 e-mail briefing regarding status of WBN U2
	Office of Congressman *Tommy Thompson*	• 8/3/07 e-mail briefing regarding status of WBN U2
	Office of Congressman Ken Upchurch	• 8/3/07 e-mail briefing regarding status of WBN U2
	Office of Congressman Ed Whitfield	• 2/6/07 e-mail update regarding status of WBN U2 • 8/3/07 e-mail briefing regarding status of WBN U2
Governor	Ernie Fletcher (former governor)	• 2/6/07 e-mail update regarding status of WBN U2 • 8/3/07 e-mail briefing regarding status of WBN U2
State Senators	Kenneth Winters (District 1)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Bob Leeper (District 2)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Joey Pendleton (District 3)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Dorsey Ridley (District 4)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Carroll Gibson (District 5)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Jerry Rhoads (District 6)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Richie Sanders, Jr. (District 9)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Vernie McGaha (District 15)	• 8/3/07 e-mail briefing regarding status of WBN U2
	David Williams (District 16)	• 8/3/07 e-mail briefing regarding status of WBN U2
State Representatives	Steven Rudy (District 1)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Fred Nesler (District 2)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Fred Rasche (District 3)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Mike Cherry (District 4)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Melvin Henley (District 5)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Vacant (District 6) (previously J. R. Gray)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Brent Yonts (District 15)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Sheldon Baugh (District 16)	• 8/3/07 e-mail briefing regarding status of WBN U2
	C. B. Embry (District 17)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Jody Richards (District 20)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Tom Jensen (District 21)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Rob Wilkey (District 22)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Scott Brinkman (District 32)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Ed Worley (District 34)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Russ Mobley (District 51)	• 8/3/07 e-mail briefing regarding status of WBN U2
	James Comer (District 53)	• 8/3/07 e-mail briefing regarding status of WBN U2
	Charles Siler (District 82)	• 8/3/07 e-mail briefing regarding status of WBN U2

Tennessee Officials

U.S. Senators	Office of Senator Lamar Alexander	• 3/26/07 briefing regarding status of WBN U2 • 3/28/07 briefing regarding status of WBN U2 • 3/30/07 briefing regarding status of WBN U2 • 6/1/07 e-mail regarding TVA issuing RFP for preliminary information from companies that may potentially be selected for WBN U2 • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 8/16/07 briefing regarding process to designate counties impacted by WBN U2 project • 9/27/07 briefing regarding status of WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Office of Senator Bob Corker	• 3/26/07 briefing regarding status of WBN U2 • 3/30/07 briefing regarding draft Supplemental Environmental Impact Statement • 6/1/07 e-mail regarding TVA issuing RFP for preliminary information from companies that may potentially be selected for WBN U2 • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 9/24/07 briefing and tour of WBN U2 • 10/4/07 briefing regarding WBN U2 impact payments • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
U.S. Representatives	Office of Congressman Marsha Blackburn	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Office of Congressman Stephen Cohen	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Office of Congressman Jim Cooper	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Office of Congressman Lincoln Davis	• 4/2/07 e-mail regarding TVA considering completing WBN U2 • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 10/4/07 briefing regarding WBN U2 impact payments • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor • 11/7/07 provided information regarding WBN U2 job opportunities

U.S. Representatives (Continued)	Office of Congressman John Duncan, Jr.	• 3/28/07 briefing regarding WBN U2 draft Supplemental Environmental Impact Statement and DSEP • 6/1/07 e-mail regarding TVA issuing RFP for preliminary information from companies that may potentially be selected for WBN U2 • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 9/5/07 provided information regarding WBN U2 job opportunities • 9/27/07 briefing regarding WBN U2 impact payments • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Office of Congressman Bart Gordon	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Office of Congressman John Tanner	• 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Office of Congressman Zach Wamp	• 3/26/07 briefing regarding status of WBN U2 • 3/30/07 briefing regarding status of WBN U2 • 4/2/07 e-mail regarding TVA considering completing WBN U2 • 4/18/07 attended open house regarding WBN U2 draft Supplemental Environmental Impact Statement • 6/1/07 e-mail regarding TVA issuing RFP for preliminary information from companies that may potentially be selected for WBN U2 • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 8/23/07 briefing and tour of WBN U2 (Congressman Wamp) • 9/24/07 briefing and tour of WBN U2 • 10/5/07 briefing regarding WBN U2 impact payments • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
State Senators	Senator Dewayne Bunch (District 9)	• 3/28/07 briefing regarding status of WBN U2 • 6/6/07 email regarding RFP for engineering work for WBN U2 • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 8/16/07 briefing regarding process to designate counties impacted by WBN U2 project • 8/30/07 meeting with TVA, Tennessee Comptroller, TN Office of Homeland Security, and Meigs County officials regarding WBN U2 impact payments and site security • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Senator Ward Crutchfield (formerly represented District 10)	• 3/30/07 briefing regarding status of WBN U2 • 4/5/07 briefing regarding status of WBN U2 • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement
	Senator Tommy Kilby (District 12)	• 3/28/07 briefing regarding status of WBN U2 • 8/16/07 briefing regarding process to designate counties impacted by WBN U2 project • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor

State Senators (Continued)	Senator Randy McNally (District 5)	• 4/2/07 e-mail regarding TVA considering completing WBN U2
	Senator Bo Watson (District 11)	• 3/30/07 briefing regarding the WBN U2 draft Supplemental Environmental Impact Statement • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
State Representatives	Representative Mike Bell (District 23)	• 3/30/07 briefing regarding the WBN U2 draft Supplemental Environmental Impact Statement • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Representative Kevin Brooks (District 24)	• 3/30/07 briefing regarding the WBN U2 draft Supplemental Environmental Impact Statement • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Representative Tommie Brown (District 28)	• 3/30/07 briefing regarding the WBN U2 draft Supplemental Environmental Impact Statement • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Representative Jim Cobb (District 31)	• 3/28/07 briefing regarding WBN U2 • 4/5/07 briefing regarding status of WBN U2 • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 8/16/07 teleconference regarding process to designate counties impacted by WBN U2 project • 8/22/07 briefing regarding WBN U2 impact payments • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Representative Vince Dean (District 30)	• 3/30/07 briefing regarding the WBN U2 draft Supplemental Environmental Impact Statement • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Representative JoAnne Favors (District 29)	• 3/30/07 briefing regarding the WBN U2 draft Supplemental Environmental Impact Statement • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Representative Dennis Ferguson (District 32)	• 4/2/07 e-mail regarding TVA considering completing WBN U2
	Representative Richard Floyd (District 27)	• 3/30/07 briefing regarding the WBN U2 draft Supplemental Environmental Impact Statement • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2

State Representatives (Continued)	Representative Gerald McCormick (District 26)	• 3/30/07 briefing regarding the WBN U2 draft Supplemental Environmental Impact Statement • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Representative Eric Watson (District 22)	• 2/16/07 briefing regarding WBN U2 • 3/28/07 briefing regarding status of WBN U2 • 3/30/07 briefing regarding the WBN U2 draft Supplemental Environmental Impact Statement • 4/5/07 briefing regarding status of WBN U2 • 6/6/07 email regarding RFP for engineering work for WBN U2 • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 8/9/07 briefing regarding status of WBN U2 • 8/30/07 meeting with TVA, Tennessee Comptroller, TN Office of Homeland Security, and Meigs County officials regarding WBN U2 impact payments and site security • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
County Mayors	Bradley County Mayor Gary Davis	• 3/30/07 briefing regarding the WBN U2 draft Supplemental Environmental Impact Statement • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Hamilton County Mayor Claude Ramsey	• 3/30/07 briefing regarding the WBN U2 draft Supplemental Environmental Impact Statement • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2
	Loudon County Mayor Doyle Arp	• 4/2/07 e-mail regarding TVA considering completing WBN U2
	McMinn County Mayor John Gentry	• 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 10/3/07 e-mail regarding estimated impact payments related to WBN U2 • 10/5/07 briefing regarding status of WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor

County Mayors (Continued)	Meigs County Mayor Ken Jones	• 3/30/07 briefing regarding release of WBN U2 draft Supplemental Environmental Impact Statement and comment period • 4/18/07 attended open house regarding WBN U2 draft Supplemental Environmental Impact Statement • 6/6/07 e-mail regarding TVA issuing RFP for preliminary information from companies that may potentially be selected for WBN U2 • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 8/16/07 briefing regarding process to designate counties impacted by WBN U2 project • 8/30/07 meeting with TVA, Tennessee Comptroller, TN Office of Homeland Security, and Meigs County officials regarding WBN U2 impact payments and site security • 9/24/07 briefing and tour of WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor • 10/9/07 attended Meigs County Chamber of Commerce meeting where Ashok Bhatnagar spoke about WBN U2
	Monroe County Mayor J. Allan Watson	• 10/3/07 e-mail regarding estimated impact payments related to WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Rhea County Mayor Billy Ray Patton	• 3/30/07 briefing regarding status of WBN U2 • 4/18/07 attended open house regarding WBN U2 draft Supplemental Environmental Impact Statement • 6/14/07 e-mail regarding release of the WBN U2 Final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 8/16/07 teleconference regarding process to designate counties impacted by WBN U2 project • 9/24/07 briefing and tour of WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Roane County Mayor Mike Farmer	• 4/2/07 e-mail regarding TVA considering completing WBN U2 • 8/6/07 e-mail regarding public open house for WBN U2 draft Environmental Impact Statement • 10/4/07 briefing about WBN U2 impact payments • 10/15/07 email regarding Bechtel Power Corporation being selected as the prime project contractor
City Mayors	Athens Mayor John Proffitt, Jr.	• 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Dayton Mayor Bob Vincent	• 8/16/07 teleconference regarding process to designate counties impacted by WBN U2 project • 9/24/07 briefing and tour of WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Decatur Mayor Dean Henry	• 8/16/07 briefing regarding process to designate counties impacted by WBN U2 project • 8/30/07 meeting with TVA, Tennessee Comptroller, TN Office of Homeland Security, and Meigs County officials regarding WBN U2 impact payments and site security • 9/24/07 briefing and tour of WBN U2
	Harriman Mayor Chris Mason	• 10/4/07 briefing regarding WBN U2 impact payments • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor

City Mayors (Continued)	Kingston Mayor Troy Beets	• 10/4/07 briefing regarding WBN U2 impact payments • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Rockwood Mayor Michael Miller	• 10/4/07 briefing regarding WBN U2 impact payments • 10/12/07 attended Kingston Rotary Club meeting where Ashok Bhatnagar presented an update on WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
	Spring City Mayor Kelly Reed	• 3/30/07 briefing regarding status of WBN U2 • 6/6/07 e-mail regarding TVA issuing RFP for preliminary information from companies that may potentially be selected for WBN U2 • 6/14/07 e-mail regarding WBN U2 final Supplemental Environmental Impact Statement • 8/2/07 e-mail regarding TVA Board approval of completing WBN U2 • 9/24/07 briefing and tour of WBN U2 • 10/15/07 e-mail regarding Bechtel Power Corporation being selected as the prime project contractor
Other	Athens Kiwanis	• 11/16/07 presentation by Masoud Bajestani regarding WBN U2
	East Tennessee Environmental Business Association Conference	• 11/13/07 presentation by Ashok Bhatnagar regarding nuclear (included information about WBN U2)
	Kingston Rotary Club meeting	• 10/9/07 presentation by Ashok Bhatnagar regarding WBN U2
	McMinn County Economic Development	• 11/27/07 presentation regarding WBN U2
	Meigs County/Decatur Chamber of Commerce and Meigs County Lions Club joint meeting	• 10/9/07 presentation by Ashok Bhatnagar regarding WBN U2
	Meigs County School Board Officials	• 9/24/07 briefing and tour of WBN U2
	Rhea County Economic and Tourism Council and Dayton Chamber of Commerce	• 10/22/07 presentation by Ashok Bhatnagar regarding WBN U2
	Rhea County School Board Officials	• 8/16/07 teleconference regarding process to designate counties impacted by WBN U2 • 9/24/07 briefing and tour of WBN U2
	Sigma Xi organization (Roane State Community College, Oak Ridge)	• 12/12/07 presentation by Ashok Bhatnagar regarding WBN U2
	Urban Mayors Breakfast hosted by Knox County Mayor	• 11/16/07 presentation by Ashok Bhatnagar regarding nuclear (included information about WBN U2)

Commitment Tracking - EIS Project 16475

Date: Tuesday October 6, 2009

Completion and Operation of Watts Bar Nuclear Plant Unit 2

Project Information

Entered By: Horton, Ruth M. Date Entered: 08/06/2007

Modified By: Nicholson, Charles P. Date Modified: 10/15/2008

Project Description: TVA has decided to complete construction of WBN Unit 2 with the goal of commencing operation in 2012. The construction workforce is expected to peak at a maximum of 2600 workers 2 years after construction begins.

Project Location: Watts Bar Nuclear Plant site, Rhea County, Tennessee.

TVA Facility: Watts Bar Nuclear Plant

Initiating Organization: Nuc - Watts Bar Nuclear Plant

Business Unit Project Manager: Chardos, James S.

NEPA Administrator Contact: Horton, Ruth M.

Start Date: 08/06/2007

Complete Date: 06/04/2008

Commitment 1

Description: Provide information from the WBN Unit 2 DSEP (Detailed Scoping Estimating and Planning) Labor Study to officials from counties anticipated as likely to be impacted by the construction activity. This information is intended to help with local planning to accommodate the anticipated temporary population growth.

Entered By: Horton, Ruth M. Date Entered: 08/06/2007

Modified By: Morris, Robert A. Date Modified: 12/21/2007

Type: Special

Responsible Person: Morris, Robert A.

Start Date: 08/06/2007

Due Date: 12/31/2007

Complete Date: 12/10/2007

Notes: Included in the attachments are documents that we shared with local, state, and federal elected officials and their constituents during individual briefings, group briefings, tours of Watts Bar Nuclear Plant Unit 2, and community briefings. A schedule of those communication interactions is also attached.

Commitment 1 Comment

Comment: The attached documents and information were provided to local, state, and federal officials and constituents during the course of individual briefings, group briefings, tours of Watts Bar Nuclear Plant Unit 2, and community briefings. A schedule of those communication interactions is also attached.

By: Morris, Robert A.

Date: 12/21/2007

Commitment 1 Comment

Attachments:

Name: C:\Documents and Settings\ramorris\My Documents\WBN U2 Stakeholder Notifications (final).doc
Type: Application
Date: 12/21/2007
Size: 165,376 Bytes
Name: C:\Documents and Settings\ramorris\My Documents\WBN U2 Summary for McMinn County Officials Rev. 3.doc
Type: Application
Date: 12/21/2007
Size: 49,152 Bytes
Name: C:\Documents and Settings\ramorris\My Documents\WBN U2 Summary for Monroe County Officials Rev. 2.doc
Type: Application
Date: 12/21/2007
Size: 49,152 Bytes
Name: C:\Documents and Settings\ramorris\My Documents\WBN U2 Summary for Rhea and Meigs County Officials Rev. 3.doc
Type: Application
Date: 12/21/2007
Size: 53,248 Bytes
Name: C:\Documents and Settings\ramorris\My Documents\WBN U2 Summary for Roane County Officials Rev. 2.doc
Type: Application
Date: 12/21/2007
Size: 49,152 Bytes

Commitment 2

Description: TVA will designate certain counties as impacted by the construction of WBN Unit 2 so that they will become eligible for a supplemental allocation from TVA's tax equivalent payments under Tennessee law. These funds can be used by counties and local governments to address construction impacts on local services and infrastructure. TVA must notify the state of Tennessee when construction resumes in order to trigger impact fees to the counties and communities that we designate.

Entered By: Horton, Ruth M. Date Entered: 08/06/2007

Modified By: Morris, Robert A. Date Modified: 06/24/2008

Type: Special

Responsible Person: Morris, Robert A.

Start Date: 08/06/2007

Due Date: 12/31/2008

Complete Date: 06/04/2008

Notes: Tom Kilgore approved designation of impacted counties and notification of the State of Tennessee on 3/16/07 (approval attached). Valley Relations (VR) will work with OCG, Finance, NEPA Services, Nuclear Generation Development and Construction and others to determine which counties should be designated, and when impacts are expected to occur. VR will also ensure that the state of Tennessee is so notified.

Commitment 2 Comment 1

Comment: Signed approval by Tom Kilgore, 3/16/07, for designation of counties as impacted by construction of

Commitment 2 Comment 1

WBN Unit, a provided for under the Tennessee tax code.

By: Horton, Ruth M.

Date: 08/06/2007

Attachment:

Name: C:\Documents and Settings\rmhorton\Desktop\Watts Bar Nuclear Plant (WBN) Unit 2 - Section 13, Payments in Lieu of Taxes - Impact Payments.pdf
Type: Unknown
Date: 08/06/2007
Size: 59,706 Bytes

Commitment 2 Comment 2

Comment: On June 4, 2008, Robert A. Morris sent a letter to John Morgan, Comptroller of the State of Tennessee, triggering the State impact payment process for the five county area around Watts Bar Nuclear Plant. The five counties will receive impact poayments in proportion to the impacts they are forecast to receive as a result of the construction of Watts Bar Unit 2.

By: Morris, Robert A.

Date: 06/24/2008

Attachment:

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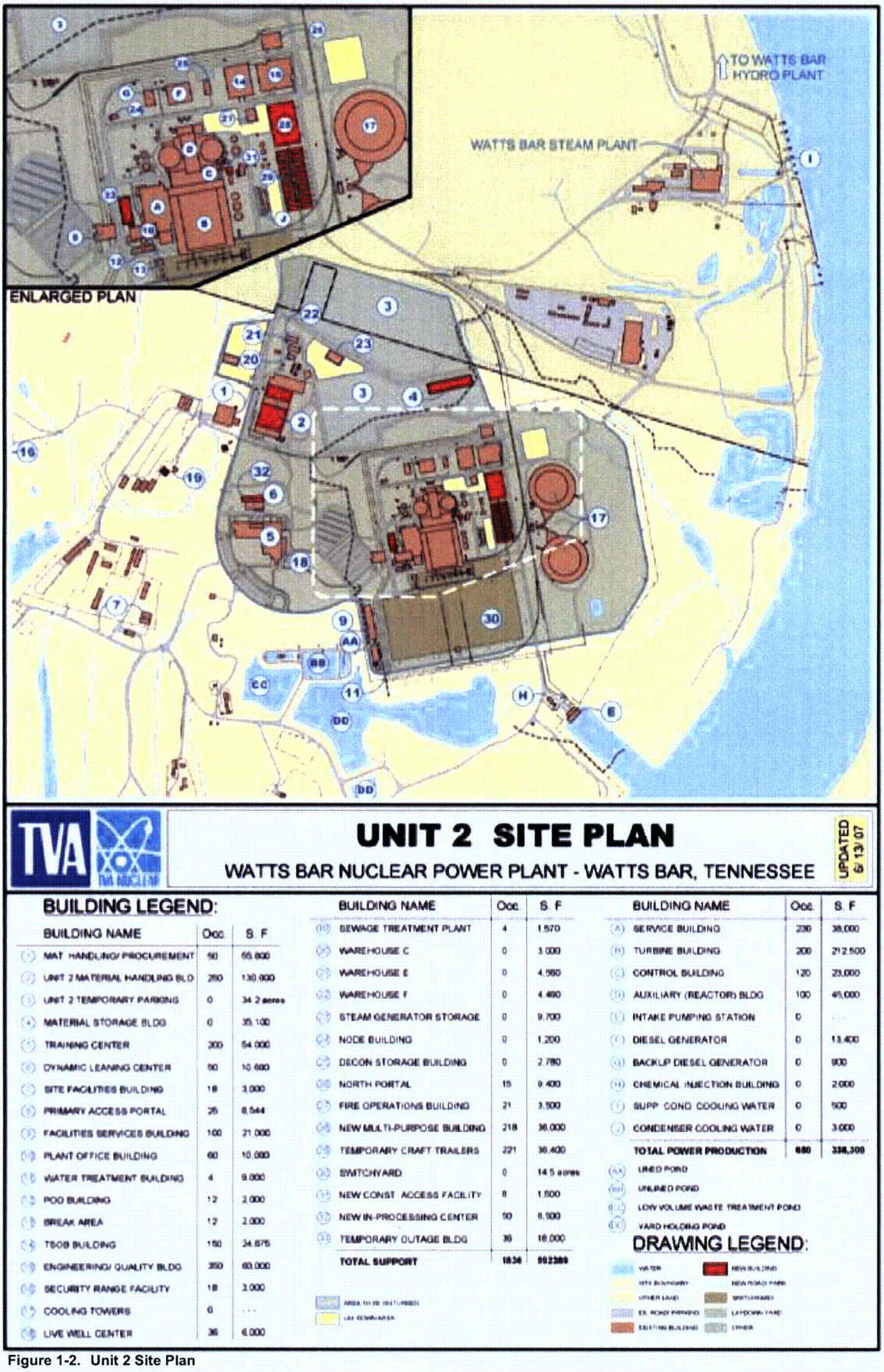
Type: General Correspondence
Date: 06/24/2008
Size: 48,486 Bytes



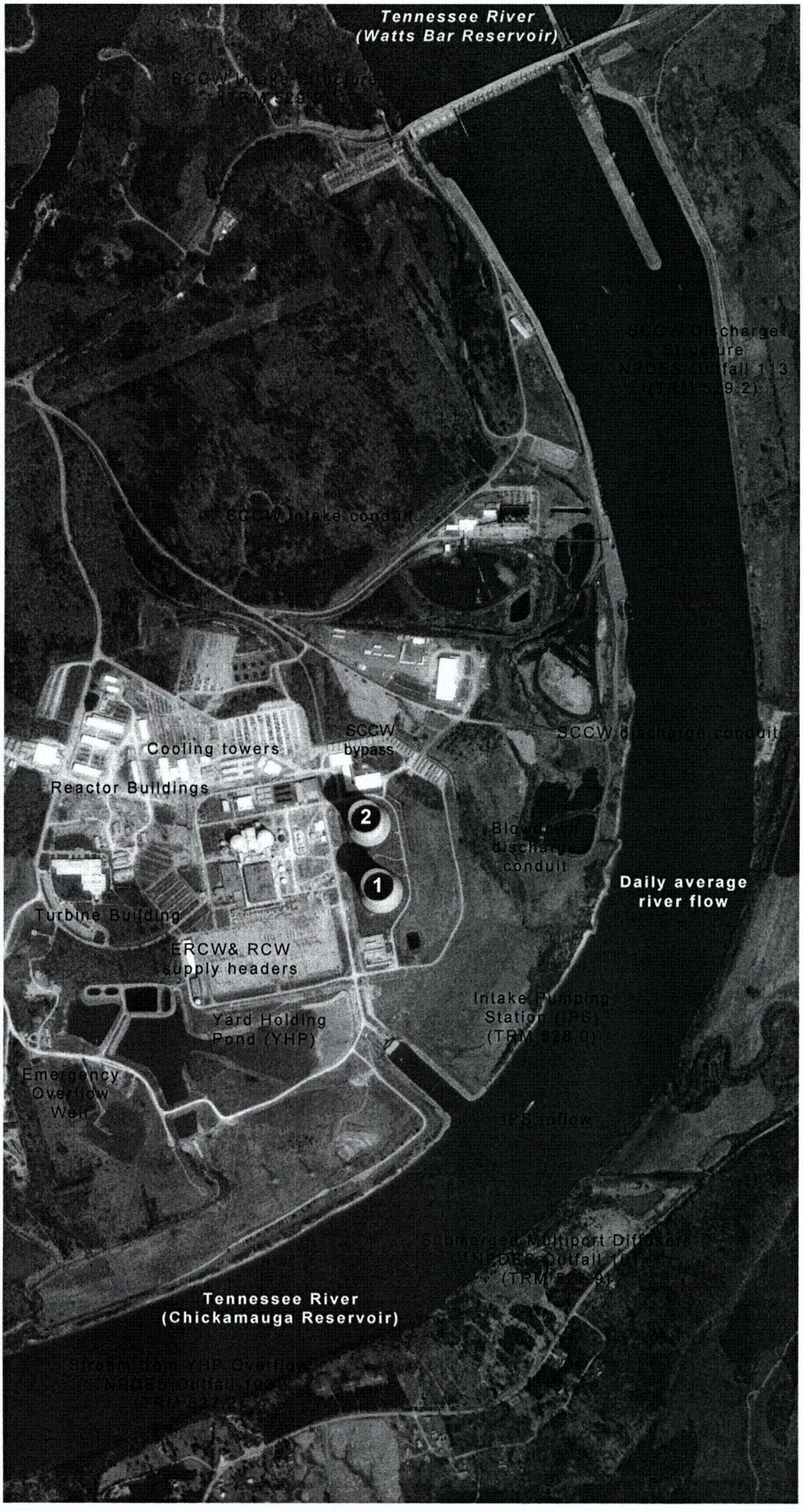
BUILDING NAME	Occ	S. F
(1) MAT. HANDLING/ PROCUREMENT	50	65,600
(2) UNIT 2 MATERIAL HANDLING BLD	250	130,000
(3) UNIT 2 TEMPORARY PARKING	0	34.2 acres
(4) MATERIAL STORAGE BLDG	0	35,100
(5) TRAINING CENTER	200	64,000
(6) DYNAMIC LEARNING CENTER	50	10,600
(7) SITE FACILITIES BUILDING	18	3,000
(8) PRIMARY ACCESS PORTAL	25	8,544
(9) FACILITIES SERVICES BUILDING	100	21,000
(10) PLANT OFFICE BUILDING	60	10,000
(11) WATER TREATMENT BUILDING	4	9,000
(12) POD BUILDING	12	2,000
(13) BREAK AREA	12	2,000
(14) TSCB BUILDING	150	24,575
(15) ENGINEERING/ QUALITY BLDG	350	60,000
(16) SECURITY RANGE FACILITY	18	3,000
(17) COOLING TOWERS	0	---
(18) LIVE WELL CENTER	36	6,000

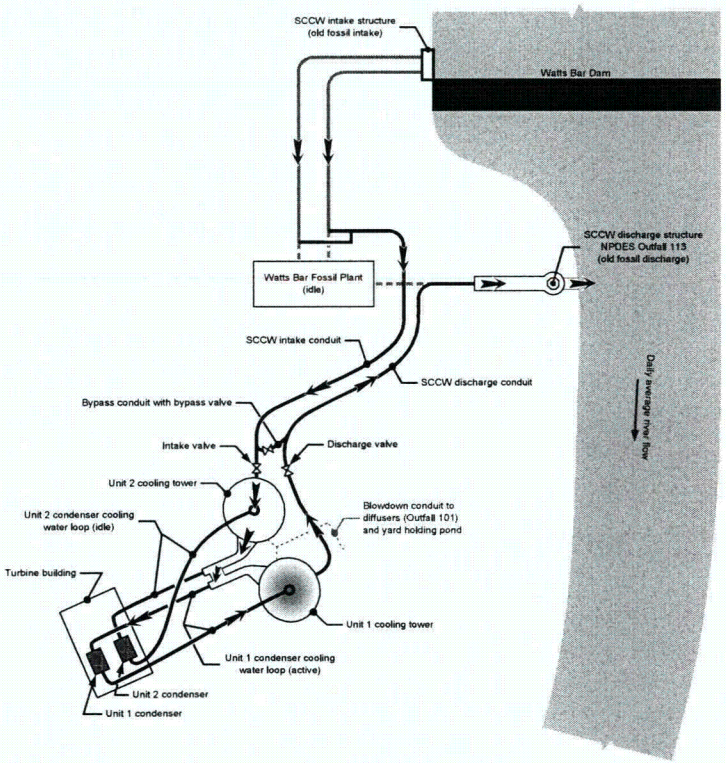
BUILDING NAME	Occ	S. F
(19) SEWAGE TREATMENT PLANT	4	1,570
(20) WAREHOUSE C	0	3,000
(21) WAREHOUSE E	0	4,560
(22) WAREHOUSE F	0	4,480
(23) STEAM GENERATOR STORAGE	0	9,700
(24) NODE BUILDING	0	1,200
(25) DECON STORAGE BUILDING	0	2,780
(26) NORTH PORTAL	15	9,400
(27) FIRE OPERATIONS BUILDING	21	3,500
(28) NEW MULTI-PURPOSE BUILDING	218	36,000
(29) TEMPORARY CRAFT TRAILERS	221	36,400
(30) SWITCHYARD	0	14.5 acres
(31) NEW CONST. ACCESS FACILITY	8	1,500
(32) NEW IN-PROCESSING CENTER	50	8,100
(33) TEMPORARY OUTAGE BLDG	36	18,000
TOTAL SUPPORT	1834	992389

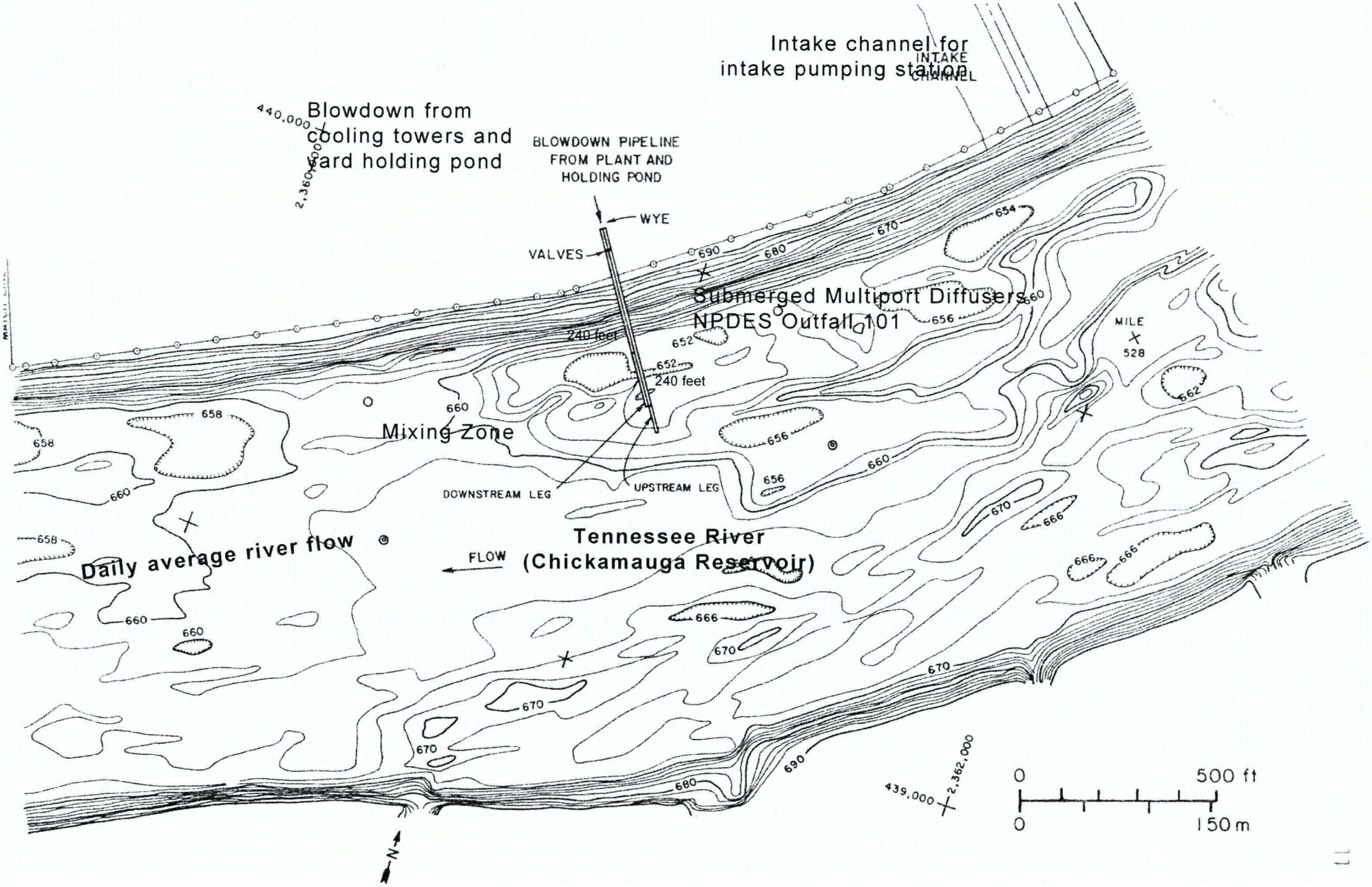
BUILDING NAME	Occ	S. F
(A) SERVICE BUILDING	230	38,000
(B) TURBINE BUILDING	200	212,500
(C) CONTROL BUILDING	120	23,000
(D) AUXILIARY (REACTOR) BLDG	100	45,000
(E) INTAKE PUMPING STATION	0	---
(F) DIESEL GENERATOR	0	13,400
(G) BACKUP DIESEL GENERATOR	0	900
(H) CHEMICAL INJECTION BUILDING	0	2,000
(I) SUPP. COND. COOLING WATER	0	500
(J) CONDENSER COOLING WATER	0	3,000
TOTAL POWER PRODUCTION	680	338,300

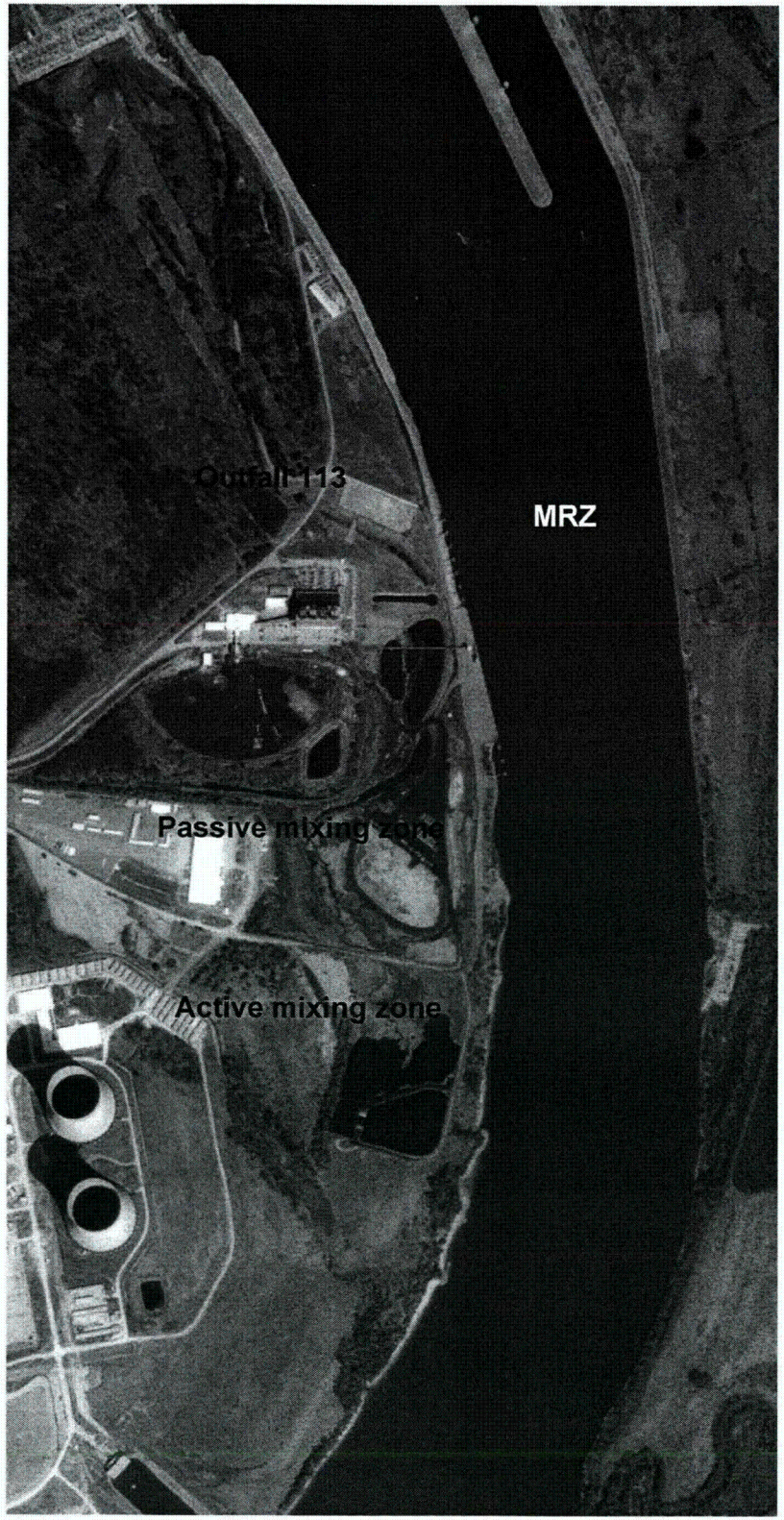
(AA) LINED POND
(BB) UNLINED POND
(CC) LOW VOLUME WASTE TREATMENT POND
(DD) YARD HOLDING POND

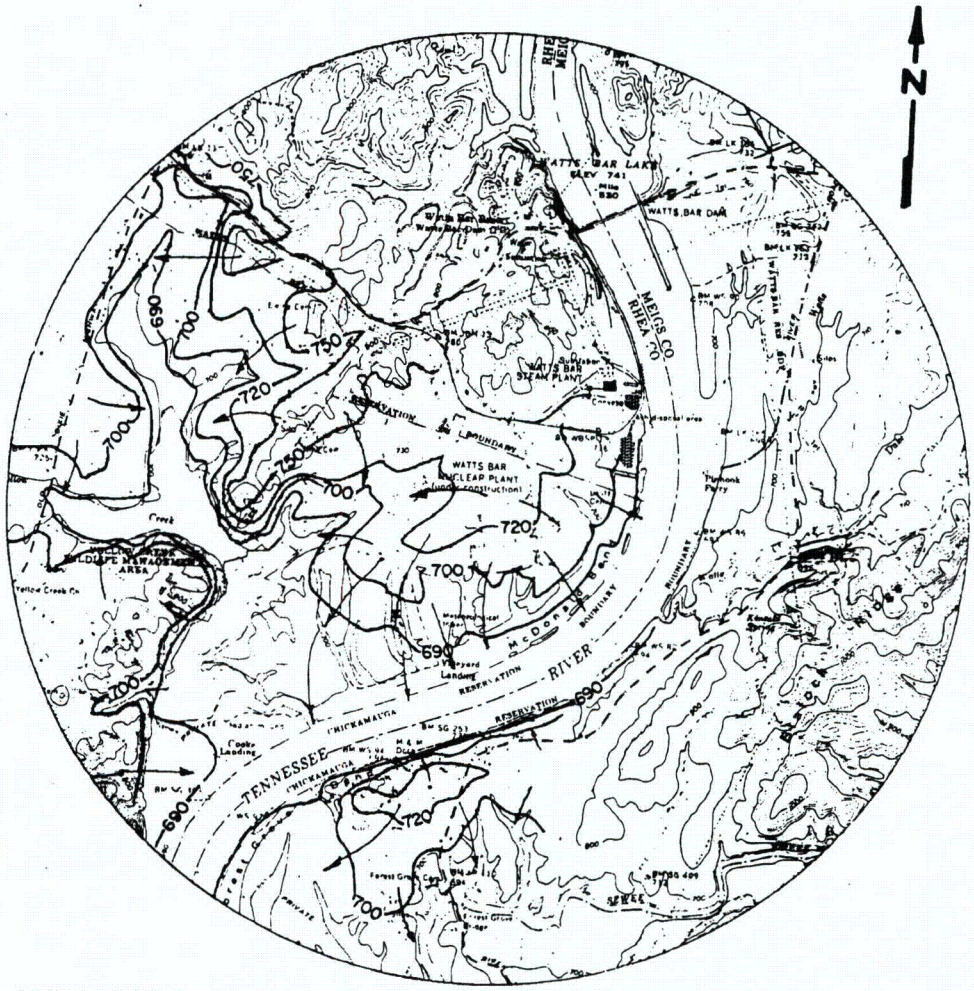
Figure 1-2. Unit 2 Site Plan


Tennessee River
(Watts Bar Reservoir)
SCCW intake structure
(TRM 529.2)
SCCW discharge structure
NPDES outfall 113
(TRM 529.2)
SCCW intake conduit
SCCW discharge conduit
SCCW bypass
Cooling towers
Reactor Buildings
2
1
Blowdown discharge conduit
Daily average river flow
Turbine Building
ERCW& RCW supply headers
Yard Holding Pond (YHP)
Intake Pumping Station (IPS)
(TRM 528.0)
Emergency Overflow Weir
IPS inflow
Submerged Multiport Diffusers
NPDES outfall 101
(TRM 528.9)
Tennessee River
(Chickamauga Reservoir)
Stream from YHP Overflow
NPDES outfall 102
(TRM 528.2)


SCCW intake structure
(old fossil intake)
Watts Bar Dam
SCCW discharge structure
NPDES Outfall 113
(old fossil discharge)
Watts Bar Fossil Plant
(idle)
SCCW intake conduit
SCCW discharge conduit
Bypass conduit with bypass valve
Intake valve
Discharge valve
Unit 2 cooling tower
Unit 2 condenser cooling
water loop (idle)
Blowdown conduit to
diffusers (Outfall 101)
and yard holding pond
Turbine building
Unit 1 cooling tower
Unit 1 condenser cooling
water loop (active)
Unit 2 condenser
Unit 1 condenser
Daily average river flow


Intake channel for
intake pumping station
INTAKE CHANNEL
Blowdown from
cooling towers and
ash pond holding pond
440,000
2,360,000
BLOWDOWN PIPELINE
FROM PLANT AND
HOLDING POND
WYE
VALVES
Submerged Multiport Diffusers
NPDES Outfall 101
240 feet
240 feet
MILE
528
Mixing Zone
DOWNSTREAM LEG
UPSTREAM LEG
Daily average river flow
FLOW
Tennessee River
(Chickamauga Reservoir)
439,000
2,362,000
0
500 ft
0
150 m
N


Outfall 113
MRZ
Passive mixing zone
Active mixing zone



EXPLANATION:

700 — Water table contour, in feet above mean sea level.

— General direction of ground-water movement.

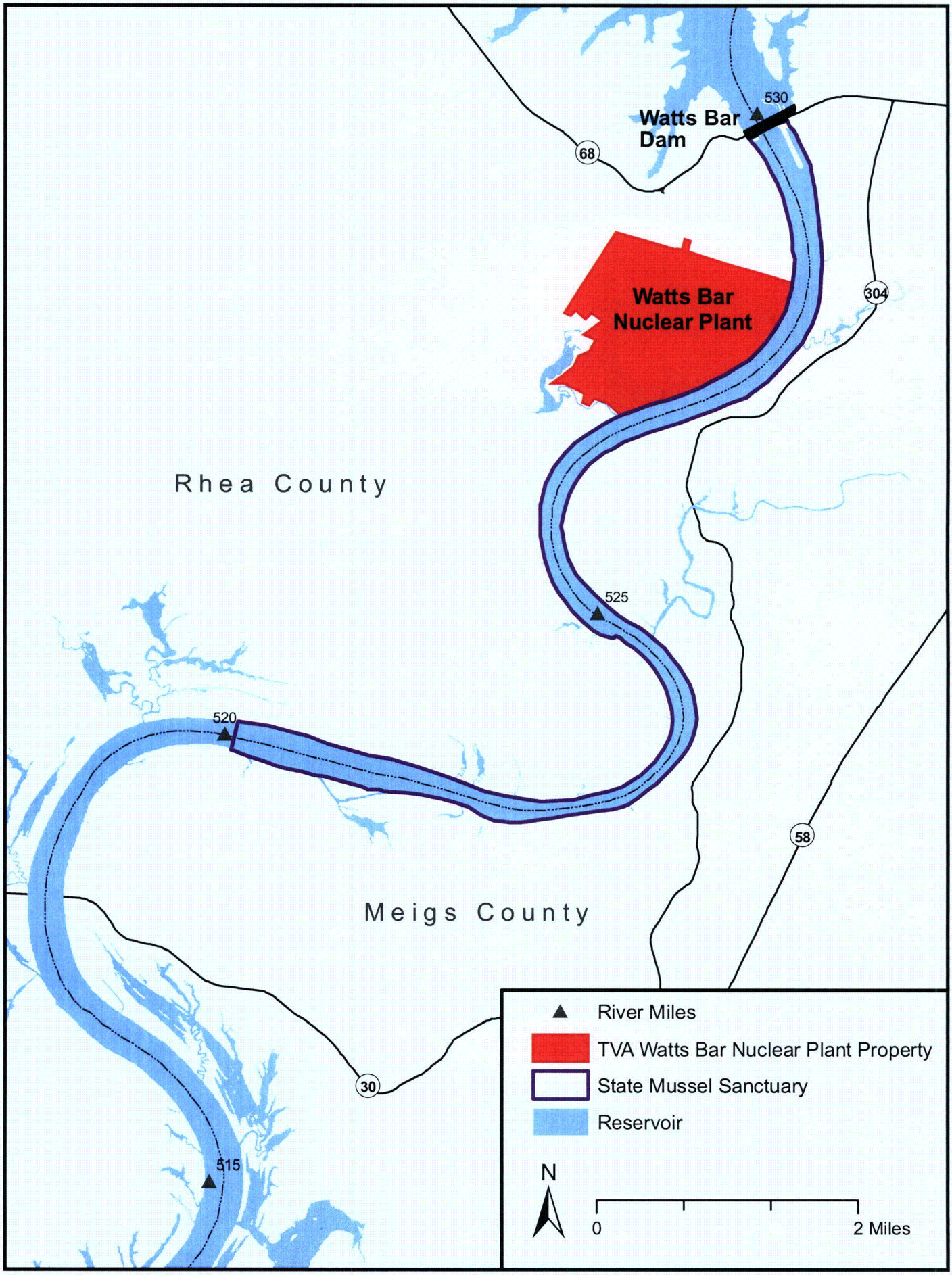
SCALE:

2000 0 4000 Feet

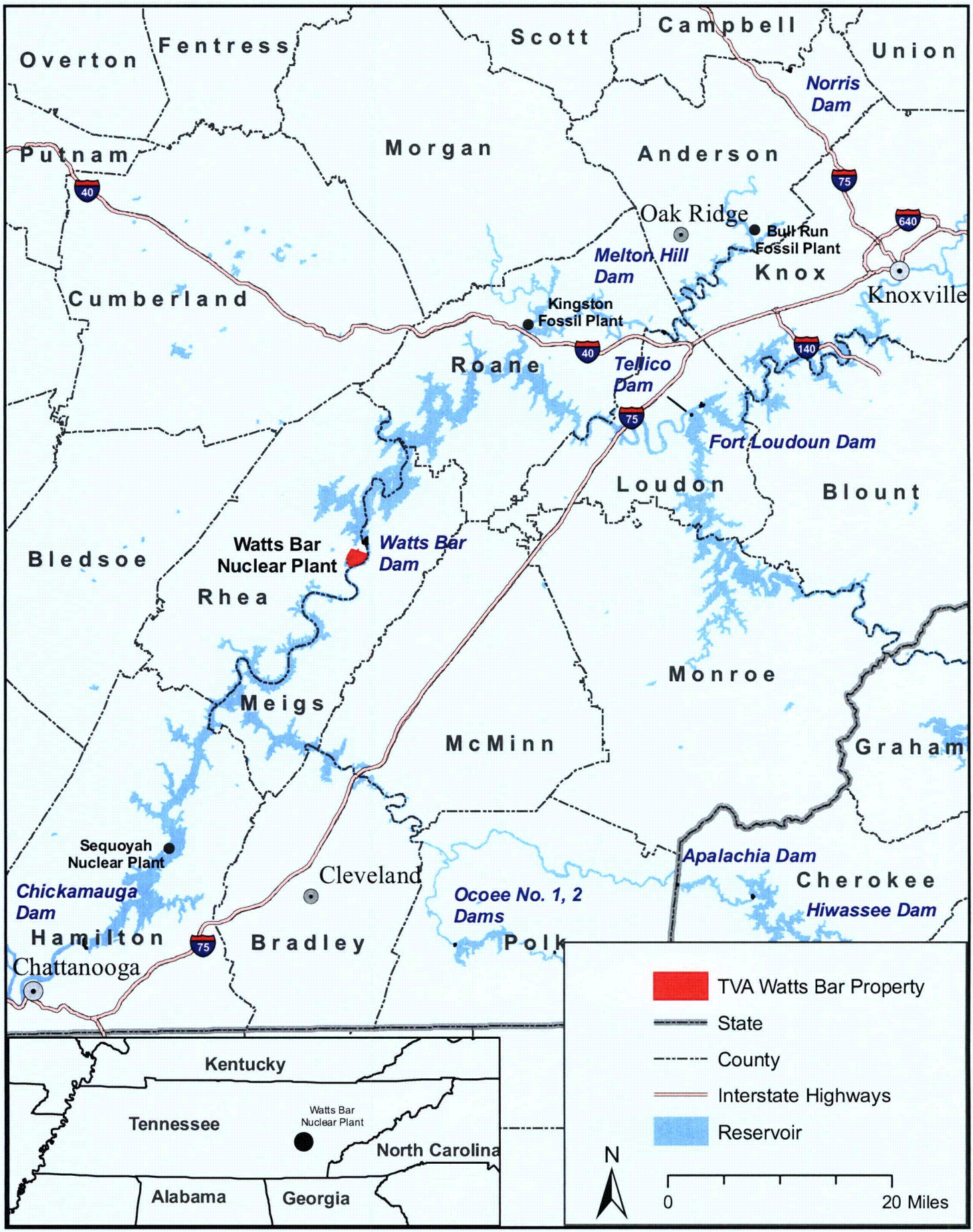
Revised by Amendment 50

WATTS BAR NUCLEAR PLANT FINAL SAFETY ANALYSIS REPORT
GENERALIZED WATER-TABLE CONTOUR MAP
Figure 2.4-105

Figure 2.4-105 Generalized Water-Table Contour Map January 1972



Map Location: \\Knxknxgfp6\gieprojects\Watts_Bar_Nuclear_KNX1127_Ruth_Horton\MXDs\WBN_Mussel_Sanctuary_Fig_3-4.mxd



Map Location: \\knxknxgfp6\GIEProjects\Watts_Bar_Nuclear_KNX1127_Ruth_Horton\MXDs\WBN_Site_Location_Fig_1-1.mxd

Cleveland 2009

L3002 Jasper-S.
Pittsburg

Aquatic
NONE

Botany

L3002	26	99	A0897	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L3002	27	99	A0897	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L3002	28	99	A0897	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L3002	29	99	A0897	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L3002	30	99	A0897	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L3002	31	99	A0897	State-listed plants in vicinity	Adam Dattilo (865-632-2403)

Cultural

L3002	SEG3002-5	23	HALETOWN-	1	F886	High potential for a
L3002	SEG3002-5	53	HALETOWN-	1	F884	High potential for a
L3002	SEG3002-3	153	S PITTSBUR	1	F1630	High potential for a
L3002	SEG3002-3	154	S PITTSBUR	1	F1630	High potential for a
L3002	SEG3002-3	155	S PITTSBUR	1	F1630	High potential for a
L3002	SEG3002-3	156	S PITTSBUR	1	F1630	High potential for a
L3002	SEG3002-3	157	S PITTSBUR	1	F1630	High potential for a
L3002	SEG3002-3	158	S PITTSBUR	1	F1630	High potential for a
L3002	SEG3002-3	159	S PITTSBUR	1	F1630	High potential for a
L3002	SEG3002-3	160	S PITTSBUR	1	F1630	High potential for a

Natural Areas

L3002	SEG3002-5	28	HALETOWN-	1	B588	Jason Mitchell, TV
L3002	SEG3002-5	34	HALETOWN-	1	B588	Jason Mitchell, TV
L3002	SEG3002-5	35	HALETOWN-	1	B588	Jason Mitchell, TV
L3002	SEG3002-5	36	HALETOWN-	1	B588	Jason Mitchell, TV
L3002	SEG3002-5	37	HALETOWN-	1	B588	Jason Mitchell, TV
L3002	SEG3002-5	38	HALETOWN-	1	B588	Jason Mitchell, TV
L3002	SEG3002-5	39	HALETOWN-	1	B588	Jason Mitchell, TV
L3002	SEG3002-5	57	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	58	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	59	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	60	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	61	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	62	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	63	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	64	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	65	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	66	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	67	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	68	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	69	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	60A	HALETOWN-	0	B463	Jason Mitchell, TV
L3002	SEG3002-5	60B	HALETOWN-	0	B463	Jason Mitchell, TV

Terrestrial
NONE

L3056
Englewood-
Madisonville

Aquatic
NONE

NOTE: THIS LINE IS CURRENTLY OUT FOR REVIEW. DATA WILL BE ENTERED BE

Botany
NONE

Cultural
NONE

Natural Areas
NONE

L3373 E.
Cleveland-
Riceville

Aquatic

L3373	101	1	E449	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L3373	102	1	E449	Federally threatened fish species	John (Bo) Baxter - TVA Heritage

Botany
NONE

Cultural

L3373	SEG3373-1	36	E CLEVELAN	1	F2874	High Potential for a
L3373	SEG3373-1	37	E CLEVELAN	1	F2874	High Potential for a
L3373	SEG3373-1	38	E CLEVELAN	1	F2874	High Potential for a
L3373	SEG3373-1	39	E CLEVELAN	1	F2874	High Potential for a
L3373	SEG3373-1	61	E CLEVELAN	1	F2875	High Potential for a
L3373	SEG3373-1	62	E CLEVELAN	1	F2875	High Potential for a
L3373	SEG3373-1	62	E CLEVELAN	2	F2876	Buffer for site 40B
L3373	SEG3373-1	63	E CLEVELAN	1	F2875	High Potential for a
L3373	SEG3373-1	63	E CLEVELAN	2	F2876	Buffer for site 40B
L3373	SEG3373-1	64	E CLEVELAN	1	F2875	High Potential for a
L3373	SEG3373-1	64	E CLEVELAN	2	F2876	Buffer for site 40B
L3373	SEG3373-6	98	CHARLESTO	1	F2877	High Potential for a
L3373	SEG3373-6	99	CHARLESTO	1	F2877	High Potential for a
L3373	SEG3373-6	100	CHARLESTO	1	F2877	High Potential for a
L3373	SEG3373-6	101	CHARLESTO	1	F2877	High Potential for a
L3373	SEG3373-6	105	CHARLESTO	1	F2878	High Potential for a

L3373	SEG3373-6	106	CHARLESTO	1	F2878	High Potential for a
L3373	SEG3373-6	107	CHARLESTO	1	F2878	High Potential for a
L3373	SEG3373-6	108	CHARLESTO	1	F2878	High Potential for a
L3373	SEG3373-6	114	CHARLESTO	1	F2879	High Potential for a
L3373	SEG3373-6	115	CHARLESTO	1	F2879	High Potential for a
L3373	SEG3373-6	116	CHARLESTO	1	F2879	High Potential for a
L3373	SEG3373-6	117	CHARLESTO	1	F2879	High Potential for a
L3373	SEG3373-6	152	CHARLESTO	1	F2880	High Potential for a
L3373	SEG3373-6	153	CHARLESTO	1	F2880	High Potential for a
L3373	SEG3373-6	154	CHARLESTO	1	F2880	High Potential for a
L3373	SEG3373-6	155	CHARLESTO	1	F2880	High Potential for a
L3373	SEG3373-6	166	CHARLESTO	1	F2881	High Potential for a
L3373	SEG3373-6	167	CHARLESTO	1	F2881	High Potential for a
L3373	SEG3373-6	168	CHARLESTO	1	F2881	High Potential for a
L3373	SEG3373-6	169	CHARLESTO	1	F2881	High Potential for a
L3373	SEG3373-6	169	CHARLESTO	1	F2882	High Potential for a
L3373	SEG3373-6	170	CHARLESTO	1	F2881	High Potential for a
L3373	SEG3373-6	170	CHARLESTO	1	F2882	High Potential for a
L3373	SEG3373-6	171	CHARLESTO	1	F2882	High Potential for a
L3373	SEG3373-6	172	CHARLESTO	1	F2882	High Potential for a

Natural Areas

L3373	SEG3373-6	101	CHARLESTO	2	B593	Jason Jackson, TV
L3373	SEG3373-6	102	CHARLESTO	2	B593	Jason Jackson, TV

Terrestrial
NONE

L4255
W.Ringgold-
Center Point

Aquatic
NONE

Botany
NONE

Cultural
NONE

Natural Areas

L4255	SEG4255-1	4	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	5	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	6	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	7	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	8	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	9	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	10	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	11	W RINGGOLI	0	B580	George Bain, Fore

L4255	SEG4255-1	12	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	13	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	14	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	15	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	16	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	17	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	18	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	19	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	20	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	21	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	22	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	23	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	24	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	25	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	26	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	27	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	28	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	29	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	30	W RINGGOLI	0	B580	George Bain, Fore
L4255	SEG4255-1	31	W RINGGOLI	0	B580	George Bain, Fore

Terrestrial
NONE

L5028 Sequoyah-Charleston 1

Aquatic

L5028	86	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5028	304	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage

Botany
NONE

Cultural
NONE

Natural Areas

L5028	SEG5028-2	86	M-CIR: L502	2	B758	TVA, Stephanie H
L5028	SEG5044-1	304	SEQUOYAH	2	B758	TVA, Stephanie H
L5028	SEG5028-2	ENDING	CR BRK 82-S	2	B758	TVA, Stephanie H

Terrestrial
NONE

L5039 Sequoyah-Concord

Aquatic

L5039	2	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	3	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	4	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	5	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	22	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	24	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	25	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	26	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	27	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	28	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	87	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5039	88	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5039	131	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5039	132	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5039	278	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	279	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	280	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	281	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	282	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5039	284	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage

Botany

NONE

Cultural

L5039	SEG5039-1	2	SEQUOYAH-	2	F859	Buffer for site40Ha
L5039	SEG5039-1	3	SEQUOYAH-	2	F859	Buffer for site40Ha
L5039	SEG5039-1	4	SEQUOYAH-	2	F859	Buffer for site40Ha
L5039	SEG5039-1	5	SEQUOYAH-	2	F860	Buffer for Site 40H
L5039	SEG5039-1	6	SEQUOYAH-	2	F860	Buffer for Site 40H
L5039	SEG5039-1	23	M-CIR: L503	1	F862	High potential for a
L5039	SEG5039-1	24	M-CIR: L503	1	F862	High potential for a
L5039	SEG5039-1	25	M-CIR: L503	1	F861	High potential for a
L5039	SEG5039-1	26	M-CIR: L503	1	F2473	High Potential for A
L5039	SEG5039-1	26	M-CIR: L503	1	F861	High potential for a
L5039	SEG5039-1	27	M-CIR: L503	1	F2473	High Potential for A
L5039	SEG5039-1	27	M-CIR: L503	1	F861	High potential for a
L5039	SEG5044-2	279	CR BRK 301-	1	F2473	High Potential for A
L5039	SEG5044-2	279	CR BRK 301-	1	F861	High potential for a
L5039	SEG5044-2	280	CR BRK 301-	1	F2473	High Potential for A
L5039	SEG5044-2	280	CR BRK 301-	1	F861	High potential for a
L5039	SEG5044-2	281	CR BRK 301-	1	F861	High potential for a
L5039	SEG5044-2	282	CR BRK 301-	1	F862	High potential for a
L5039	SEG5044-2	283	CR BRK 301-	1	F862	High potential for a

Natural Areas

L5039	SEG5039-1	1	M-CIR: L503	2	B758	TVA, Stephanie H

L5039	SEG5039-1	2	SEQUOYAH-	2	B758	TVA, Stephanie H
L5039	SEG5039-1	3	SEQUOYAH-	2	B758	TVA, Stephanie H
L5039	SEG5039-1	4	SEQUOYAH-	2	B758	TVA, Stephanie H
L5039	SEG5039-1	5	SEQUOYAH-	0	B54	Donald Campbell,
L5039	SEG5039-1	22	M-CIR: L503	1	B589	TWRA Region III,
L5039	SEG5039-1	24	M-CIR: L503	1	B589	TWRA Region III,
L5039	SEG5039-1	25	M-CIR: L503	1	B589	TWRA Region III,
L5039	SEG5039-1	26	M-CIR: L503	1	B589	TWRA Region III,
L5039	SEG5039-1	27	M-CIR: L503	1	B589	TWRA Region III,
L5039	SEG5039-1	28	M-CIR: L503	1	B589	TWRA Region III,
L5039	SEG5047-2	190	CR BRK 188-	2	B758	TVA, Stephanie H
L5039	SEG5044-2	278	CR BRK 301-	1	B589	TWRA Region III,
L5039	SEG5044-2	279	CR BRK 301-	1	B589	TWRA Region III,
L5039	SEG5044-2	280	CR BRK 301-	1	B589	TWRA Region III,
L5039	SEG5044-2	281	CR BRK 301-	1	B589	TWRA Region III,
L5039	SEG5044-2	282	CR BRK 301-	1	B589	TWRA Region III,
L5039	SEG5044-2	284	CR BRK 301-	1	B589	TWRA Region III,
L5039	SEG5039-1	BEGIN	SEQUOYAH-	2	B758	TVA, Stephanie H

Terrestrial
NONE

L5044 Sequoyah-
E. Cleveland

Aquatic
NONE

Botany

L5044	238	2 A1400	State listed plant in ROW	Adam Dattilo (865-632-2403)	
L5044	239	2 A1400	State listed plant in ROW	Adam Dattilo (865-632-2403)	

Cultural

L5044	SEG5044-6	205	STR 217-STR	1	F930	High potential for a
L5044	SEG5044-6	206	STR 217-STR	1	F930	High potential for a
L5044	SEG5044-6	207	STR 217-STR	1	F930	High potential for a
L5044	SEG5044-6	215	STR 217-STR	1	F929	High potential for a
L5044	SEG5044-6	216	STR 217-STR	1	F929	High potential for a
L5044	SEG5044-3	256	STR 262-STR	1	F928	High potential for a
L5044	SEG5044-3	257	STR 262-STR	1	F928	High potential for a
L5044	SEG5044-3	259	STR 262-STR	1	F927	High potential for a

Natural Areas

L5044	SEG5044-1	BEGIN	SEQUOYAH	2	B758	TVA, Stephanie H

Terrestrial
NONE

L5046 Sequoyah-
Chickamauga 2

Aquatic

L5046	205	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	219	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	220	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	221	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	222	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	223	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	235	1	E424	Federally threatened fish species	John (Bo) Baxter - TVA Heirtage
L5046	236	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	237	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	239	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	241	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	242	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	243	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	244	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	245	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	300	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	301	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	302	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	303	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	303	1	E424	Federally threatened fish species	John (Bo) Baxter - TVA Heirtage
L5046	304	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	305	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	BEG(301)	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5046	ENDING	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage

Botany

L5046	232	1 A1337	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5046	233	1 A1337	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5046	234	1 A1337	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5046	300	1 A1337	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5046	301	1 A1337	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5046	302	1 A1337	State-listed plants in vicinity	Adam Dattilo (865-632-2403)

Cultural
NONE

Natural Areas

L5046	SEG5072-2	205	FALLING WA	2	B758	TVA, Stephanie H
L5046	SEG5046-1	219	M-CIR: L504	2	B758	TVA, Stephanie H
L5046	SEG5046-1	220	M-CIR: L504	2	B758	TVA, Stephanie H
L5046	SEG5046-1	221	M-CIR: L504	2	B758	TVA, Stephanie H
L5046	SEG5046-1	222	M-CIR: L504	2	B758	TVA, Stephanie H
L5046	SEG5046-1	223	M-CIR: L504	0	B54	Donald Campbell,
L5046	SEG5043-1	236	SEQUOYAH	1	B583	Bo Baxter, TVA Ac
L5046	SEG5043-1	237	SEQUOYAH	1	B583	Bo Baxter, TVA Ac
L5046	SEG5046-1	239	SEQUOYAH	1	B589	TWRA Region III,

L5046	SEG5046-1	241	SEQUOYAH	1 B589	TWRA Region III,
L5046	SEG5046-1	242	SEQUOYAH	1 B589	TWRA Region III,
L5046	SEG5046-1	243	SEQUOYAH	1 B589	TWRA Region III,
L5046	SEG5046-1	244	SEQUOYAH	1 B589	TWRA Region III,
L5046	SEG5046-1	245	SEQUOYAH	1 B589	TWRA Region III,
L5046	SEG5046-1	246	SEQUOYAH	1 B589	TWRA Region III,
L5046	SEG5044-2	300	CR BRK 301-	0 B54	Donald Campbell,
L5046	SEG5044-1	301	SEQUOYAH	2 B758	TVA, Stephanie H
L5046	SEG5044-1	302	SEQUOYAH	2 B758	TVA, Stephanie H
L5046	SEG5044-1	303	SEQUOYAH	2 B758	TVA, Stephanie H
L5046	SEG5046-1	304	M-CIR: L504	1 B583	Bo Baxter, TVA Ac
L5046	SEG5046-1	305	M-CIR: L504	1 B583	Bo Baxter, TVA Ac
L5046	SEG5044-2	BEG(301)	CR BRK 301-	2 B758	TVA, Stephanie H
L5046	SEG5046-1	BEGIN	SEQUOYAH	2 B758	TVA, Stephanie H
L5046	SEG5046-1	ENDING	SEQUOYAH	1 B583	Bo Baxter, TVA Ac

Terrestrial

L5046	SEG5043-1	232	SEQUOYAH	1 D0105	Jenny Fiedler - TV
L5046	SEG5043-1	233	SEQUOYAH	1 D0105	Jenny Fiedler - TV
L5046	SEG5043-1	234	SEQUOYAH	1 D0105	Jenny Fiedler - TV
L5046	SEG5043-1	235	SEQUOYAH	1 D0105	Jenny Fiedler - TV
L5046	SEG5043-1	236	SEQUOYAH	1 D0105	Jenny Fiedler - TV
L5046	SEG5043-1	237	SEQUOYAH	1 D0105	Jenny Fiedler - TV
L5046	SEG5046-1	300	M-CIR: L504	1 D0105	Jenny Fiedler - TV
L5046	SEG5046-1	301	M-CIR: L504	1 D0105	Jenny Fiedler - TV
L5046	SEG5046-1	302	M-CIR: L504	1 D0105	Jenny Fiedler - TV
L5046	SEG5046-1	303	M-CIR: L504	1 D0105	Jenny Fiedler - TV
L5046	SEG5046-1	304	M-CIR: L504	1 D0105	Jenny Fiedler - TV
L5046	SEG5046-1	305	M-CIR: L504	1 D0105	Jenny Fiedler - TV
L5046	SEG5046-1	ENDING	SEQUOYAH	1 D0105	Jenny Fiedler - TV

L5047 Sequoyah-Watts Bar

Aquatic
NONE

Botany
NONE

Cultural

L5047	SEG5047-1	18	WATTS BAR	2	F864	Buffer for site 1Mg
L5047	SEG5047-1	19	WATTS BAR	2	F864	Buffer for site 1Mg

Natural Areas

L5047	SEG5047-2	ENDING	CR BRK 188-	2 B758	TVA, Stephanie H

Terrestrial
NONE

L5069
Chickamuga-
Moccasin 2

Aquatic

L5069	1	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5069	1	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5069	2	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5069	7	1	E424	Federally threatened fish species	John (Bo) Baxter - TVA Heirtage
L5069	8	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5069	BEGIN	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage

Botany
NONE

Cultural

L5069	SEG5069-1	49	CHICKAMAU	2	F882	Buffer for unknowr
L5069	SEG5069-1	50	CHICKAMAU	2	F882	Buffer for unknowr
L5069	SEG5069-1	ENDING	CHICKAMAU	2	F882	Buffer for unknowr

Natural Areas

L5069	SEG5069-1	1	M-CIR: L506	1	B583	Bo Baxter, TVA Ac
L5069	SEG5218-1	1	CHICKAMAU	1	B583	Bo Baxter, TVA Ac
L5069	SEG5069-1	2	CHICKAMAU	1	B583	Bo Baxter, TVA Ac
L5069	SEG5069-1	8	CHICKAMAU	1	B583	Bo Baxter, TVA Ac
L5069	SEG5069-1	9	CHICKAMAU	1	B583	Bo Baxter, TVA Ac
L5069	SEG5069-1	BEGIN	CHICKAMAU	1	B583	Bo Baxter, TVA Ac

Terrestrial

L5069	SEG5069-1	1	M-CIR: L506	1	D0105	Jenny Fiedler - TV
L5069	SEG5218-1	1	CHICKAMAU	1	D0105	Jenny Fiedler - TV
L5069	SEG5069-1	2	CHICKAMAU	1	D0105	Jenny Fiedler - TV
L5069	SEG5069-1	BEGIN	CHICKAMAU	1	D0105	Jenny Fiedler - TV

L5073 Raccoon
MTN.-Moccasin

Aquatic

L5073	15	1	E421	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5073	16	1	E421	Federally threatened fish species	John (Bo) Baxter - TVA Heritage

Botany

L5073	2	2	A1399	State listed plant in ROW	Adam Dattilo (865-632-2403)
L5073	3	2	A1399	State listed plant in ROW	Adam Dattilo (865-632-2403)
L5073	4	2	A1399	State listed plant in ROW	Adam Dattilo (865-632-2403)
L5073	5	2	A1399	State listed plant in ROW	Adam Dattilo (865-632-2403)

Cultural

L5073	SEG5073-1	14	RACCOON M	2	F880	Site buffer for 40H
L5073	SEG5073-1	15	RACCOON M	2	F880	Site buffer for 40H
L5073	SEG5073-1	16	RACCOON M	2	F882	Buffer for unknowr
L5073	SEG5073-1	17	RACCOON M	2	F882	Buffer for unknowr
L5073	SEG5073-1	ENDING	RACCOON M	2	F882	Buffer for unknowr

Natural Areas
NONE

Terrestrial
NONE

L5103 Hiwassee-
Alcoa

Aquatic

L5103	12	1	E441	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	13	1	E441	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	14	1	E441	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	15	1	E441	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	16	1	E441	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	37	1	E440	State endangered snail species -	John (Bo) Baxter - TVA Heritage
L5103	38	1	E440	State endangered snail species -	John (Bo) Baxter - TVA Heritage
L5103	39	1	E440	State endangered snail species -	John (Bo) Baxter - TVA Heritage
L5103	91	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	92	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	93	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	94	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	95	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	96	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	97	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	98	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	108	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	109	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	110	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	116	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	117	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	118	1	E442	Multiple fed. endangered fish spe	John (Bo) Baxter - TVA Heritage
L5103	180	1	E443	State threatened fish species - SM	John (Bo) Baxter - TVA Heritage
L5103	181	1	E443	State threatened fish species - SM	John (Bo) Baxter - TVA Heritage
L5103	182	1	E443	State threatened fish species - SM	John (Bo) Baxter - TVA Heritage
L5103	183	1	E444	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	184	1	E444	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	185	1	E444	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	186	1	E444	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	188	1	E445	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	189	1	E445	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	190	1	E445	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage

L5103	191	1	E445	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	192	1	E445	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	193	1	E445	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	194	1	E445	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	195	1	E445	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	196	1	E445	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	198	1	E446	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	199	1	E446	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	200	1	E446	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	202	1	E446	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	203	1	E446	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	204	1	E446	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	205	1	E446	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	206	1	E446	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	207	1	E446	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	180A	1	E443	State threatened fish species - SM	John (Bo) Baxter - TVA Heritage
L5103	181A	1	E443	State threatened fish species - SM	John (Bo) Baxter - TVA Heritage
L5103	181A	1	E443	State threatened fish species - SM	John (Bo) Baxter - TVA Heritage
L5103	182A	1	E444	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	203A	1	E446	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	204A	1	E446	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5103	93A	1	E442	Multiple fed. endangered fish spec	John (Bo) Baxter - TVA Heritage
L5103	94A	1	E442	Multiple fed. endangered fish spec	John (Bo) Baxter - TVA Heritage
L5103	ENDING	1	E443	State threatened fish species - SM	John (Bo) Baxter - TVA Heritage
L5103	FLYING1	1	E442	Multiple fed. endangered fish spec	John (Bo) Baxter - TVA Heritage
L5103	FLYING2	1	E446	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage

Botany

L5103	167	1	A0888	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	168	1	A0888	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	169	1	A0888	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	170	1	A0888	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	182	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	183	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	184	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	185	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	186	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	187	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	188	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	189	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	190	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	191	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	192	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	193	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	194	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	195	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	196	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	197	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	198	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	199	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	200	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	201	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)

L5103	202	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	203	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	204	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	205	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	181A	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	181A	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	182A	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	203A	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	204A	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	ENDING	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5103	FLYING2	1	A0824	State-listed plants in vicinity	Adam Dattilo (865-632-2403)

Cultural

L5103	SEG5103-1	11	HIWASSEE-A	2	F907	Buffer for sites 31(
L5103	SEG5103-1	12	HIWASSEE-A	2	F907	Buffer for sites 31(
L5103	SEG5103-1	13	HIWASSEE-A	2	F907	Buffer for sites 31(
L5103	SEG5103-1	14	HIWASSEE-A	2	F907	Buffer for sites 31(
L5103	SEG5103-1	15	HIWASSEE-A	2	F907	Buffer for sites 31(
L5103	SEG5103-1	16	HIWASSEE-A	2	F907	Buffer for sites 31(
L5103	SEG5103-1	24	HIWASSEE-A	1	F908	High potential for a
L5103	SEG5103-1	91	HIWASSEE-A	1	F913	High potential for a
L5103	SEG5103-1	92	HIWASSEE-A	1	F913	High potential for a
L5103	SEG5103-1	97	HIWASSEE-A	1	F1121	High potential for a
L5103	SEG5103-1	109	HIWASSEE-A	1	F914	High potential for a
L5103	SEG5103-1	110	HIWASSEE-A	1	F914	High potential for a
L5103	SEG5103-1	115	HIWASSEE-A	1	F915	High potential for a
L5103	SEG5103-1	116	HIWASSEE-A	1	F915	High potential for a
L5103	SEG5103-1	117	HIWASSEE-A	1	F915	High potential for a
L5103	SEG5103-1	144	HIWASSEE-A	1	F916	High potential for a
L5103	SEG5103-1	145	HIWASSEE-A	1	F916	High potential for a
L5103	SEG5103-1	181	HIWASSEE-A	2	F1122	Bufffer for site 40M
L5103	SEG5103-1	182	HIWASSEE-A	2	F1122	Bufffer for site 40M
L5103	SEG5103-1	203	HIWASSEE-A	1	F917	High potential for a
L5103	SEG5103-1	204	HIWASSEE-A	1	F917	High potential for a
L5103	SEG5103-1	180A	HIWASSEE-A	2	F1122	Bufffer for site 40M
L5103	SEG5103-1	181A	HIWASSEE-A	2	F1122	Bufffer for site 40M
L5103	SEG5103-2	181A	STR 181A - C	2	F1122	Bufffer for site 40M
L5103	SEG5103-1	203A	HIWASSEE-A	1	F917	High potential for a
L5103	SEG5103-2	ENDING	STR 181A - C	2	F1122	Bufffer for site 40M
L5103	SEG5103-1	FLYING2	HIWASSEE-A	1	F917	High potential for a

Natural Areas

L5103	SEG5103-1	1	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	2	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	3	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	4	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	5	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	6	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	7	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	8	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	9	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	10	HIWASSEE-A	3	B497	Ray Johns, Specia

L5103	SEG5103-1	11	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	12	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	13	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	14	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	15	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	16	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	17	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	18	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	19	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	20	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	21	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	22	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	23	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	24	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	25	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	26	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	27	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	28	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	29	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	30	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	31	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	32	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	33	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	34	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	35	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	36	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	37	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	38	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	39	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	40	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	41	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	42	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	43	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	44	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	45	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	46	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	47	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-1	48	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	49	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	50	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	51	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	52	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	53	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	54	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	55	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	56	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	57	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	58	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	59	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	60	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	61	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	62	HIWASSEE-A	0	B182	Dan Herron, USFS

L5103	SEG5103-1	63	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	64	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	65	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	66	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	67	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	68	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	69	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	70	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	71	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	72	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	73	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	74	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	75	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	76	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	77	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	78	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	79	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	80	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	81	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	82	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	83	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	84	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	85	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	117	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	118	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	119	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	120	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	121	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	122	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	123	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	124	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	125	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	126	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	127	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	128	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	129	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	130	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	131	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	132	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	133	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	134	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	135	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	136	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	137	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	138	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	139	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	140	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	141	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	142	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	143	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	144	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	145	HIWASSEE-A	0	B182	Dan Herron, USFS

L5103	SEG5103-1	146	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	147	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	148	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	149	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	150	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	151	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	152	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	153	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	154	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	155	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	156	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	157	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	158	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	159	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	160	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	161	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	162	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	163	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	164	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	165	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	166	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	167	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	168	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	169	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	170	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	171	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	172	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	173	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	174	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	175	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	176	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	177	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	178	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	179	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	180	HIWASSEE-A	0	B182	Dan Herron, USFS
L5103	SEG5103-1	181	HIWASSEE-A	1	B204	Jason Mitchell, TV
L5103	SEG5103-1	180A	HIWASSEE-A	1	B204	Jason Mitchell, TV
L5103	SEG5103-1	181A	HIWASSEE-A	1	B596	David Whitehead,
L5103	SEG5103-2	181A	STR 181A - C	1	B596	David Whitehead,
L5103	SEG5103-1	BEGIN	HIWASSEE-A	3	B497	Ray Johns, Specia
L5103	SEG5103-2	ENDING	STR 181A - C	1	B596	David Whitehead,

Terrestrial
NONE

L5127 Watts Bar-
Watts Bar 1

Aquatic

L5127	1	1	E453	Multiple fed. endangered mussel s	John (Bo) Baxter - TVA Heritage

L5127	1	1	E453	Multiple fed. endangered mussel s	John (Bo) Baxter - TVA Heritage
L5127	2	1	E453	Multiple fed. endangered mussel s	John (Bo) Baxter - TVA Heritage
L5127	2	1	E453	Multiple fed. endangered mussel s	John (Bo) Baxter - TVA Heritage
L5127	3	1	E453	Multiple fed. endangered mussel s	John (Bo) Baxter - TVA Heritage
L5127	3	1	E453	Multiple fed. endangered mussel s	John (Bo) Baxter - TVA Heritage
L5127	4	1	E453	Multiple fed. endangered mussel s	John (Bo) Baxter - TVA Heritage
L5127	5	1	E453	Multiple fed. endangered mussel s	John (Bo) Baxter - TVA Heritage
L5127	6	1	E453	Multiple fed. endangered mussel s	John (Bo) Baxter - TVA Heritage
L5127	7	1	E453	Multiple fed. endangered mussel s	John (Bo) Baxter - TVA Heritage
L5127	8	1	E453	Multiple fed. endangered mussel s	John (Bo) Baxter - TVA Heritage
L5127	12	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L5127	13	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L5127	14	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L5127	15	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L5127	16	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L5127	17	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L5127	18	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L5127	19	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L5127	20	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L5127	21	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L5127	22	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L5127	23	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L5127	BEGIN	1	E453	Multiple fed. endangered mussel s	John (Bo) Baxter - TVA Heritage

Botany

L5127	BEGIN	1	A0214	State listed plants in vicinity	Adam Dattilo (865-632-2403)

Cultural

L5127	SEG5127-1	1	M-CIR: L512	2	F846	Buffer for site 40R
L5127	SEG5682-1	1	WATTS BAR	2	F846	Buffer for site 40R
L5127	SEG5127-1	2	M-CIR: L512	2	F846	Buffer for site 40R
L5127	SEG5682-1	2	WATTS BAR	2	F846	Buffer for site 40R
L5127	SEG5127-1	3	M-CIR: L512	2	F846	Buffer for site 40R
L5127	SEG5682-1	3	WATTS BAR	2	F846	Buffer for site 40R
L5127	SEG5127-1	4	WATTS BAR	2	F846	Buffer for site 40R
L5127	SEG5127-1	5	WATTS BAR	2	F846	Buffer for site 40R
L5127	SEG5127-1	6	WATTS BAR	2	F846	Buffer for site 40R
L5127	SEG5127-1	7	WATTS BAR	2	F846	Buffer for site 40R
L5127	SEG5127-1	21	WATTS BAR	2	F456	Buffer for sites 40F
L5127	SEG5127-1	22	WATTS BAR	2	F2470	Known archaeolog
L5127	SEG5127-1	22	WATTS BAR	2	F456	Buffer for sites 40F
L5127	SEG5127-1	23	WATTS BAR	2	F2470	Known archaeolog
L5127	SEG5127-1	23	WATTS BAR	2	F456	Buffer for sites 40F
L5127	SEG5127-1	ENDING	WATTS BAR	2	F2470	Known archaeolog

Natural Areas

L5127	SEG5127-1	1	M-CIR: L512	2	B615	TWRA Region III,
L5127	SEG5682-1	1	WATTS BAR	2	B615	TWRA Region III,
L5127	SEG5127-1	5	WATTS BAR	2	B615	TWRA Region III,
L5127	SEG5127-1	6	WATTS BAR	2	B615	TWRA Region III,
L5127	SEG5127-1	7	WATTS BAR	2	B615	TWRA Region III,
L5127	SEG5127-1	8	WATTS BAR	2	B615	TWRA Region III,

L5127	SEG5127-1	9	WATTS BAR	2	B615	TWRA Region III,
L5127	SEG5127-1	10	WATTS BAR	2	B615	TWRA Region III,
L5127	SEG5127-1	13	WATTS BAR	2	B762	Jerri Phillips, TVA,
L5127	SEG5127-1	14	WATTS BAR	2	B762	Jerri Phillips, TVA,
L5127	SEG5127-1	15	WATTS BAR	2	B762	Jerri Phillips, TVA,
L5127	SEG5127-1	16	WATTS BAR	2	B762	Jerri Phillips, TVA,
L5127	SEG5127-1	17	WATTS BAR	2	B615	TWRA Region III,
L5127	SEG5127-1	18	WATTS BAR	2	B615	TWRA Region III,
L5127	SEG5127-1	19	WATTS BAR	2	B615	TWRA Region III,
L5127	SEG5127-1	20	WATTS BAR	2	B762	Jerri Phillips, TVA,
L5127	SEG5127-1	21	WATTS BAR	2	B762	Jerri Phillips, TVA,
L5127	SEG5127-1	22	WATTS BAR	2	B762	Jerri Phillips, TVA,
L5127	SEG5127-1	23	WATTS BAR	2	B762	Jerri Phillips, TVA,
L5127	SEG5127-1	24	WATTS BAR	2	B762	Jerri Phillips, TVA,
L5127	SEG5127-1	BEGIN	WATTS BAR	2	B615	TWRA Region III,
L5127	SEG5127-1	ENDING	WATTS BAR	2	B762	Jerri Phillips, TVA,

Terrestrial
NONE

L5167
Winchester-
Watts Bar

Aquatic

L5167	811	1	E090	Federally and state endangered m	John (Bo) Baxter - TVA Heritage
L5167	812	1	E090	Federally and state endangered m	John (Bo) Baxter - TVA Heritage
L5167	820	1	E090	Federally and state endangered m	John (Bo) Baxter - TVA Heritage
L5167	821	1	E090	Federally and state endangered m	John (Bo) Baxter - TVA Heritage
L5167	822	1	E090	Federally and state endangered m	John (Bo) Baxter - TVA Heritage
L5167	824	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	825	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	826	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	827	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	828	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	830	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	831	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	832	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	839	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	840	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	841	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	842	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	843	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	844	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	845	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	846	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	847	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	848	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	849	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	850	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage

L5167	851	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	852	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	853	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	854	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	855	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	856	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	857	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	862	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	863	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	868	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	869	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	870	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	871	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	872	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	873	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	874	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	875	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	876	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	877	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	878	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	879	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	880	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	881	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	882	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	883	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	884	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	885	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	886	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	887	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	888	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	889	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L5167	893	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	894	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	895	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	896	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	897	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	898	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	899	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	900	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	901	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	902	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	903	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	904	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	905	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	906	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	907	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	908	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	908	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	909	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	910	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L5167	843A	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L5167	853A	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage

L5167	867A	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage

Botany

L5167	765	1	A0152	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	766	1	A0152	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	767	1	A0152	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	804	1	A0153	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	805	1	A0153	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	806	1	A0153	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	822	1	A0154	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	823	1	A0154	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	824	1	A0154	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	842	1	A1329	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	843	1	A1329	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	844	1	A1329	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	845	1	A1329	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	846	1	A1329	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	847	1	A1329	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	848	1	A1329	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	849	1	A1329	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	854	1	A0156	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	855	1	A0156	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	856	1	A0156	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	869	1	A0157	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	870	1	A0157	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	871	1	A0157	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	872	1	A0157	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	873	1	A0157	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	874	1	A0157	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	875	1	A0157	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	876	1	A0157	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	879	1	A0158	State listed plant in vicinity	Adam Dattilo (865-632-2403)
L5167	880	1	A0158	State listed plant in vicinity	Adam Dattilo (865-632-2403)
L5167	881	1	A0159	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	882	1	A0159	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	887	1	A0160	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	888	1	A0160	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	889	1	A0160	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	910	1	A1330	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	912	1	A1331	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	913	1	A1331	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	914	1	A1331	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	920	1	A1332	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	921	1	A1332	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	922	1	A1332	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	923	1	A1332	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	924	1	A1332	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	928	1	A1333	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	929	1	A1333	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	938	1	A1334	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	939	1	A1334	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	992	1	A1335	State-listed plants in vicinity	Adam Dattilo (865-632-2403)

L5167	993	1	A1335	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	994	1	A1335	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5167	843A	1	A1329	State-listed plants in vicinity	Adam Dattilo (865-632-2403)

Cultural

L5167	SEG5167-9	600	TAP STR 866	1	F2489	High Potential for A
L5167	SEG5167-9	600	TAP STR 866	2	F2491	Known archaeolog
L5167	SEG5167-9	600	TAP STR 866	2	F993	Buffer for site 40G
L5167	SEG5167-1	843	WINCHESTE	1	F2484	High Potential for A
L5167	SEG5167-1	844	WINCHESTE	2	F2483	Known archaeolog
L5167	SEG5167-1	844	WINCHESTE	1	F2484	High Potential for A
L5167	SEG5167-1	845	WINCHESTE	2	F2483	Known archaeolog
L5167	SEG5167-1	845	WINCHESTE	1	F2484	High Potential for A
L5167	SEG5167-1	846	WINCHESTE	2	F2483	Known archaeolog
L5167	SEG5167-1	847	WINCHESTE	2	F2483	Known archaeolog
L5167	SEG5167-1	848	WINCHESTE	2	F2483	Known archaeolog
L5167	SEG5167-1	848	WINCHESTE	1	F2485	High Potential for A
L5167	SEG5167-1	848	WINCHESTE	2	F992	Buffer for site 40G
L5167	SEG5167-1	849	WINCHESTE	1	F2485	High Potential for A
L5167	SEG5167-1	849	WINCHESTE	2	F992	Buffer for site 40G
L5167	SEG5167-1	850	WINCHESTE	1	F2485	High Potential for A
L5167	SEG5167-1	850	WINCHESTE	2	F992	Buffer for site 40G
L5167	SEG5167-1	851	WINCHESTE	1	F2485	High Potential for A
L5167	SEG5167-1	851	WINCHESTE	2	F2486	Buffer for site 40G
L5167	SEG5167-1	851	WINCHESTE	2	F992	Buffer for site 40G
L5167	SEG5167-1	852	WINCHESTE	1	F2485	High Potential for A
L5167	SEG5167-1	852	WINCHESTE	2	F2486	Buffer for site 40G
L5167	SEG5167-1	852	WINCHESTE	1	F2487	High Potential for A
L5167	SEG5167-1	852	WINCHESTE	2	F992	Buffer for site 40G
L5167	SEG5167-1	853	WINCHESTE	1	F2485	High Potential for A
L5167	SEG5167-1	853	WINCHESTE	2	F2486	Buffer for site 40G
L5167	SEG5167-1	853	WINCHESTE	1	F2487	High Potential for A
L5167	SEG5167-1	853	WINCHESTE	2	F992	Buffer for site 40G
L5167	SEG5167-1	854	WINCHESTE	1	F2487	High Potential for A
L5167	SEG5167-1	854	WINCHESTE	2	F992	Buffer for site 40G
L5167	SEG5167-1	855	WINCHESTE	1	F2487	High Potential for A
L5167	SEG5167-1	855	WINCHESTE	2	F992	Buffer for site 40G
L5167	SEG5167-1	855	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	856	WINCHESTE	1	F2487	High Potential for A
L5167	SEG5167-1	856	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	857	WINCHESTE	1	F2487	High Potential for A
L5167	SEG5167-1	857	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	858	WINCHESTE	2	F2488	Buffer for site 40G
L5167	SEG5167-1	858	WINCHESTE	1	F2487	High Potential for A
L5167	SEG5167-1	858	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	859	WINCHESTE	2	F2488	Buffer for site 40G
L5167	SEG5167-1	859	WINCHESTE	2	F2490	Known archaeolog
L5167	SEG5167-1	859	WINCHESTE	1	F2487	High Potential for A
L5167	SEG5167-1	859	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	860	WINCHESTE	2	F2488	Buffer for site 40G
L5167	SEG5167-1	860	WINCHESTE	2	F2490	Known archaeolog
L5167	SEG5167-1	860	WINCHESTE	2	F993	Buffer for site 40G

L5167	SEG5167-1	861	WINCHESTE	2	F2490	Known archaeolog
L5167	SEG5167-1	861	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	862	WINCHESTE	2	F2490	Known archaeolog
L5167	SEG5167-1	862	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	863	WINCHESTE	1	F2489	High Potential for
L5167	SEG5167-1	863	WINCHESTE	2	F2490	Known archaeolog
L5167	SEG5167-1	863	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	864	WINCHESTE	1	F2489	High Potential for
L5167	SEG5167-1	864	WINCHESTE	2	F2490	Known archaeolog
L5167	SEG5167-1	864	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	865	WINCHESTE	1	F2489	High Potential for
L5167	SEG5167-1	865	WINCHESTE	2	F2491	Known archaeolog
L5167	SEG5167-1	865	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	866	WINCHESTE	1	F2489	High Potential for
L5167	SEG5167-1	866	WINCHESTE	2	F2491	Known archaeolog
L5167	SEG5167-1	866	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	867	WINCHESTE	1	F2489	High Potential for
L5167	SEG5167-1	867	WINCHESTE	2	F2491	Known archaeolog
L5167	SEG5167-1	867	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	868	WINCHESTE	2	F2491	Known archaeolog
L5167	SEG5167-1	868	WINCHESTE	2	F2492	Known archaeolog
L5167	SEG5167-1	868	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	869	WINCHESTE	2	F2491	Known archaeolog
L5167	SEG5167-1	869	WINCHESTE	2	F2492	Known archaeolog
L5167	SEG5167-1	869	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	870	WINCHESTE	2	F2492	Known archaeolog
L5167	SEG5167-1	870	WINCHESTE	1	F2493	High Potential for
L5167	SEG5167-1	870	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	871	WINCHESTE	2	F2492	Known archaeolog
L5167	SEG5167-1	871	WINCHESTE	1	F2493	High Potential for
L5167	SEG5167-1	871	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	872	WINCHESTE	1	F2493	High Potential for
L5167	SEG5167-1	872	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	873	WINCHESTE	1	F2493	High Potential for
L5167	SEG5167-1	873	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	874	WINCHESTE	1	F2493	High Potential for
L5167	SEG5167-1	874	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	875	WINCHESTE	1	F2493	High Potential for
L5167	SEG5167-1	875	WINCHESTE	2	F2494	Known archaeolog
L5167	SEG5167-1	875	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	876	WINCHESTE	1	F2493	High Potential for
L5167	SEG5167-1	876	WINCHESTE	2	F2494	Known archaeolog
L5167	SEG5167-1	876	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	877	WINCHESTE	2	F2494	Known archaeolog
L5167	SEG5167-1	877	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	878	WINCHESTE	2	F2494	Known archaeolog
L5167	SEG5167-1	878	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	879	WINCHESTE	2	F2494	Known archaeolog
L5167	SEG5167-1	879	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	880	WINCHESTE	2	F2494	Known archaeolog
L5167	SEG5167-1	880	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	881	WINCHESTE	2	F2494	Known archaeolog

L5167	SEG5167-1	881	WINCHESTE	1	F2495	High Potentiall for
L5167	SEG5167-1	881	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	882	WINCHESTE	2	F2494	Known archaeolog
L5167	SEG5167-1	882	WINCHESTE	1	F2495	High Potentiall for
L5167	SEG5167-1	882	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-1	883	WINCHESTE	1	F2495	High Potentiall for
L5167	SEG5167-1	884	WINCHESTE	1	F2495	High Potentiall for
L5167	SEG5167-1	884	WINCHESTE	2	F994	Buffer for site 40G
L5167	SEG5167-1	885	WINCHESTE	1	F2495	High Potentiall for
L5167	SEG5167-1	885	WINCHESTE	2	F2497	Buffer for site 40G
L5167	SEG5167-1	885	WINCHESTE	2	F994	Buffer for site 40G
L5167	SEG5167-1	886	WINCHESTE	1	F2495	High Potentiall for
L5167	SEG5167-1	886	WINCHESTE	2	F2497	Buffer for site 40G
L5167	SEG5167-1	886	WINCHESTE	2	F994	Buffer for site 40G
L5167	SEG5167-1	887	WINCHESTE	1	F2495	High Potentiall for
L5167	SEG5167-1	887	WINCHESTE	2	F2497	Buffer for site 40G
L5167	SEG5167-1	887	WINCHESTE	2	F994	Buffer for site 40G
L5167	SEG5167-1	888	WINCHESTE	1	F2496	High Potential for
L5167	SEG5167-1	888	WINCHESTE	2	F2497	Buffer for site 40G
L5167	SEG5167-1	888	WINCHESTE	2	F994	Buffer for site 40G
L5167	SEG5167-1	889	WINCHESTE	1	F2496	High Potential for
L5167	SEG5167-1	889	WINCHESTE	2	F2497	Buffer for site 40G
L5167	SEG5167-1	889	WINCHESTE	2	F994	Buffer for site 40G
L5167	SEG5167-1	890	WINCHESTE	1	F2496	High Potential for
L5167	SEG5167-1	890	WINCHESTE	2	F994	Buffer for site 40G
L5167	SEG5167-1	891	WINCHESTE	1	F2496	High Potential for
L5167	SEG5167-1	891	WINCHESTE	2	F994	Buffer for site 40G
L5167	SEG5167-1	892	WINCHESTE	1	F2496	High Potential for
L5167	SEG5167-1	902	WINCHESTE	2	F425	Buffer for site 49G
L5167	SEG5167-1	903	WINCHESTE	2	F425	Buffer for site 49G
L5167	SEG5167-1	904	WINCHESTE	2	F425	Buffer for site 49G
L5167	SEG5167-1	905	WINCHESTE	2	F425	Buffer for site 49G
L5167	SEG5167-1	906	WINCHESTE	2	F425	Buffer for site 49G
L5167	SEG5167-1	907	WINCHESTE	2	F425	Buffer for site 49G
L5167	SEG5167-1	908	WINCHESTE	2	F425	Buffer for site 49G
L5167	SEG5167-3	908	STR 908-STR	2	F425	Buffer for site 49G
L5167	SEG5167-3	920	STR 908-STR	2	F995	Buffer for site 40G
L5167	SEG5167-3	921	STR 908-STR	1	F2498	Buffer for site 40G
L5167	SEG5167-3	921	STR 908-STR	2	F995	Buffer for site 40G
L5167	SEG5167-3	922	STR 908-STR	1	F2498	Buffer for site 40G
L5167	SEG5167-3	922	STR 908-STR	2	F995	Buffer for site 40G
L5167	SEG5167-3	923	STR 908-STR	1	F2498	Buffer for site 40G
L5167	SEG5167-3	923	STR 908-STR	2	F995	Buffer for site 40G
L5167	SEG5167-3	924	STR 908-STR	2	F995	Buffer for site 40G
L5167	SEG5167-1	843A	WINCHESTE	1	F2484	High Potential for
L5167	SEG5167-1	853A	WINCHESTE	2	F2486	Buffer for site 40G
L5167	SEG5167-1	853A	WINCHESTE	1	F2487	High Potential for
L5167	SEG5167-1	853A	WINCHESTE	2	F992	Buffer for site 40G
L5167	SEG5167-1	866A	WINCHESTE	1	F2489	High Potential for
L5167	SEG5167-1	866A	WINCHESTE	2	F2491	Known archaeolog
L5167	SEG5167-1	866A	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-9	866A	TAP STR 866	1	F2489	High Potential for

L5167	SEG5167-9	866A	TAP STR 866	2	F2491	Known archaeolog
L5167	SEG5167-9	866A	TAP STR 866	2	F993	Buffer for site 40G
L5167	SEG5167-1	867A	WINCHESTE	2	F2491	Known archaeolog
L5167	SEG5167-1	867A	WINCHESTE	2	F993	Buffer for site 40G
L5167	SEG5167-9	ENDING	TAP STR 866	1	F2489	High Potential for A
L5167	SEG5167-9	ENDING	TAP STR 866	2	F2491	Known archaeolog
L5167	SEG5167-9	ENDING	TAP STR 866	2	F993	Buffer for site 40G

Natural Areas

L5167	SEG5167-9	600	TAP STR 866	0	B552	
L5167	SEG5167-1	866	WINCHESTE	0	B552	
L5167	SEG5167-1	867	WINCHESTE	0	B552	
L5167	SEG5167-1	868	WINCHESTE	0	B552	
L5167	SEG5167-1	869	WINCHESTE	0	B552	
L5167	SEG5167-1	870	WINCHESTE	0	B552	
L5167	SEG5167-1	871	WINCHESTE	0	B552	
L5167	SEG5167-1	872	WINCHESTE	0	B552	
L5167	SEG5167-1	873	WINCHESTE	0	B552	
L5167	SEG5167-1	874	WINCHESTE	0	B552	
L5167	SEG5167-1	875	WINCHESTE	0	B552	
L5167	SEG5167-1	876	WINCHESTE	0	B552	
L5167	SEG5167-1	877	WINCHESTE	0	B552	
L5167	SEG5167-1	878	WINCHESTE	0	B552	
L5167	SEG5167-1	879	WINCHESTE	0	B552	
L5167	SEG5167-1	880	WINCHESTE	0	B552	
L5167	SEG5167-1	881	WINCHESTE	0	B552	
L5167	SEG5167-1	882	WINCHESTE	0	B552	
L5167	SEG5167-1	883	WINCHESTE	0	B552	
L5167	SEG5167-1	884	WINCHESTE	0	B552	
L5167	SEG5167-1	885	WINCHESTE	0	B552	
L5167	SEG5167-1	886	WINCHESTE	0	B552	
L5167	SEG5167-1	887	WINCHESTE	0	B552	
L5167	SEG5167-1	888	WINCHESTE	0	B552	
L5167	SEG5167-1	889	WINCHESTE	0	B552	
L5167	SEG5167-1	890	WINCHESTE	0	B552	
L5167	SEG5167-1	891	WINCHESTE	0	B552	
L5167	SEG5167-1	892	WINCHESTE	0	B552	
L5167	SEG5167-1	893	WINCHESTE	0	B552	
L5167	SEG5167-1	894	WINCHESTE	0	B552	
L5167	SEG5167-1	895	WINCHESTE	0	B552	
L5167	SEG5167-1	896	WINCHESTE	0	B552	
L5167	SEG5167-1	897	WINCHESTE	0	B552	
L5167	SEG5167-3	987	STR 908-STF	1	B551	Jason Mitchell, TV
L5167	SEG5167-3	988	STR 908-STF	1	B551	Jason Mitchell, TV
L5167	SEG5167-1	866A	WINCHESTE	0	B552	
L5167	SEG5167-9	866A	TAP STR 866	0	B552	
L5167	SEG5167-1	867A	WINCHESTE	0	B552	
L5167	SEG5167-9	ENDING	TAP STR 866	0	B552	

Terrestrial
NONE

L5178 Widows Creek-Moccasin

Aquatic

L5178	4	1	E758	Federally endangered mussels &	John (Bo) Baxter - TVA Heritage
L5178	4	1	E758	Federally endangered mussels &	John (Bo) Baxter - TVA Heritage
L5178	5	1	E758	Federally endangered mussels &	John (Bo) Baxter - TVA Heritage
L5178	25	1	E418	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage
L5178	26	1	E418	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage
L5178	27	1	E418	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage
L5178	78	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	79	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	81	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	82	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	86	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	87	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	88	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	98	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	99	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	100	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	101	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	106	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	108	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	109	1	E423	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	110	1	E423	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	118	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	119	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	120	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	121	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	140	1	E421	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5178	141	1	E421	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5178	142	1	E421	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5178	120A	1	E420	State threatened fish species - SN	John (Bo) Baxter - TVA Heritage
L5178	BEGIN	1	E417	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage

Botany
NONE

Cultural

L5178	SEG5178-1	4	M-CIR: L517	1	F2734	High Potential for A
L5178	SEG5187-1	4	WIDOWS CR	1	F2734	High Potential for A
L5178	SEG5178-1	5	WIDOWS CR	1	F2734	High Potential for A
L5178	SEG5178-1	12	WIDOWS CR	1	F1628	High potential for a
L5178	SEG5178-1	15	WIDOWS CR	1	F877	High potential for a
L5178	SEG5178-1	16	WIDOWS CR	1	F1629	High potential for a
L5178	SEG5178-1	16	WIDOWS CR	1	F877	High potential for a
L5178	SEG5178-1	17	WIDOWS CR	1	F877	High potential for a
L5178	SEG5178-1	24	WIDOWS CR	2	F878	Buffer for sites 1Ja
L5178	SEG5178-1	25	WIDOWS CR	2	F878	Buffer for sites 1Ja

L5178	SEG5178-1	26	WIDOWS CR	1	F909	High potential for H
L5178	SEG5178-1	27	WIDOWS CR	1	F909	High potential for H
L5178	SEG5178-2	64	STR E38-MO	1	F879	High potential for a
L5178	SEG5178-2	65	STR E38-MO	1	F879	High potential for a
L5178	SEG5178-2	66	STR E38-MO	1	F879	High potential for a
L5178	SEG5178-2	67	STR E38-MO	1	F879	High potential for a
L5178	SEG5178-2	115	STR E38-MO	2	F881	Site buffer for 40H
L5178	SEG5178-2	116	STR E38-MO	2	F881	Site buffer for 40H
L5178	SEG5178-2	117	STR E38-MO	2	F881	Site buffer for 40H
L5178	SEG5178-2	118	STR E38-MO	2	F881	Site buffer for 40H
L5178	SEG5178-2	119	STR E38-MO	2	F881	Site buffer for 40H
L5178	SEG5178-2	120	STR E38-MO	2	F881	Site buffer for 40H
L5178	SEG5178-2	121	STR E38-MO	2	F881	Site buffer for 40H
L5178	SEG5178-2	138	STR E38-MO	2	F880	Site buffer for 40H
L5178	SEG5178-2	139	STR E38-MO	2	F880	Site buffer for 40H
L5178	SEG5178-2	140	STR E38-MO	2	F880	Site buffer for 40H
L5178	SEG5178-2	141	STR E38-MO	2	F882	Buffer for unknown
L5178	SEG5178-2	142	STR E38-MO	2	F882	Buffer for unknown
L5178	SEG5178-2	120A	STR E38-MO	2	F881	Site buffer for 40H
L5178	SEG5178-2	ENDING	STR E38-MO	2	F882	Buffer for unknown

Natural Areas

L5178	SEG5178-1	1	M-CIR: L517	1	B778	R.L. Pope, TVA, 4
L5178	SEG5187-1	1	WIDOWS CR	1	B778	R.L. Pope, TVA, 4
L5178	SEG5178-1	2	M-CIR: L517	1	B778	R.L. Pope, TVA, 4
L5178	SEG5187-1	2	WIDOWS CR	1	B778	R.L. Pope, TVA, 4
L5178	SEG5178-1	3	M-CIR: L517	1	B778	R.L. Pope, TVA, 4
L5178	SEG5187-1	3	WIDOWS CR	1	B778	R.L. Pope, TVA, 4
L5178	SEG5178-1	BEGIN	WIDOWS CR	1	B778	R.L. Pope, TVA, 4

Terrestrial
NONE

L5179 Apalachis-
E. Cleveland

Aquatic

L5179	68	1	E437	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L5179	70	1	E437	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L5179	71	1	E437	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L5179	72	1	E437	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L5179	73	1	E437	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L5179	74	1	E437	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L5179	80	1	E436	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5179	81	1	E436	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5179	91	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	92	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	93	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	94	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage

L5179	95	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	96	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	97	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	98	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	99	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	100	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	101	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	102	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	103	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	104	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	105	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	106	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	107	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	108	1	E435	Multiple state listed fish species -	John (Bo) Baxter - TVA Heritage
L5179	119	1	E987	State Listed Fish Species SMZ A,	John (Bo) Baxter - TVA Heritage
L5179	120	1	E987	State Listed Fish Species SMZ A,	John (Bo) Baxter - TVA Heritage
L5179	BEGIN	1	E987	State Listed Fish Species SMZ A,	John (Bo) Baxter - TVA Heritage
L5179	ENDING	1	E437	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage

Botany
NONE

Cultural
NONE

Natural Areas

L5179	SEG5179-1	68	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	69	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	70	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	71	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	72	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	73	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	74	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	75	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	76	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	77	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	78	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	79	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	80	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	81	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	82	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	83	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	84	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	85	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	86	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	87	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	88	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	89	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	90	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	91	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	92	N.E. BENTON	0	B182	Dan Herron, USFS
L5179	SEG5179-1	93	N.E. BENTON	0	B182	Dan Herron, USFS

L5179	SEG5179-1	94	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	95	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	96	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	97	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	98	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	99	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	100	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	101	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	102	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	103	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	104	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	105	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	106	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	107	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	108	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	109	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	110	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	111	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	112	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	113	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	114	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	115	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	116	N.E. BENTON	0 B182	Dan Herron, USFS
L5179	SEG5179-1	ENDING	N.E. BENTON	0 B182	Dan Herron, USFS

Terrestrial
NONE

L5187 Widows Creek-Nickajack

Aquatic

L5187	1	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5187	5	1	E758	Federally endangered mussels &	John (Bo) Baxter - TVA Heritage
L5187	28	1	E418	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage
L5187	28	1	E418	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage
L5187	29	1	E418	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage
L5187	29	1	E418	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage
L5187	30	1	E418	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage
L5187	30	1	E418	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage
L5187	63	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5187	BEGIN	1	E417	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage

Botany

L5187	11	1	A0898	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5187	11	1	A0898	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5187	12	1	A0898	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5187	12	1	A0898	State-listed plants in vicinity	Adam Dattilo (865-632-2403)

Cultural

L5187	SEG5779-1	3	NICKAJACK	1	F883	High potential for a
L5187	SEG5187-1	5	WIDOWS CR	1	F2734	High Potential for
L5187	SEG5187-1	12	M-CIR: L518	1	F1628	High potential for a
L5187	SEG5751-1	12	WIDOWS CR	1	F1628	High potential for a
L5187	SEG5187-1	13	M-CIR: L518	1	F1628	High potential for a
L5187	SEG5751-1	13	WIDOWS CR	1	F1628	High potential for a
L5187	SEG5187-1	16	M-CIR: L518	1	F877	High potential for a
L5187	SEG5751-1	16	WIDOWS CR	1	F877	High potential for a
L5187	SEG5187-1	17	M-CIR: L518	1	F1629	High potential for a
L5187	SEG5187-1	17	M-CIR: L518	1	F877	High potential for a
L5187	SEG5751-1	17	WIDOWS CR	1	F1629	High potential for a
L5187	SEG5751-1	17	WIDOWS CR	1	F877	High potential for a
L5187	SEG5187-1	18	M-CIR: L518	1	F877	High potential for a
L5187	SEG5751-1	18	WIDOWS CR	1	F877	High potential for a
L5187	SEG5187-1	25	M-CIR: L518	2	F878	Buffer for sites 1Ja
L5187	SEG5751-1	25	WIDOWS CR	2	F878	Buffer for sites 1Ja
L5187	SEG5187-1	26	M-CIR: L518	2	F878	Buffer for sites 1Ja
L5187	SEG5751-1	26	WIDOWS CR	2	F878	Buffer for sites 1Ja
L5187	SEG5187-1	27	M-CIR: L518	2	F878	Buffer for sites 1Ja
L5187	SEG5751-1	27	WIDOWS CR	2	F878	Buffer for sites 1Ja
L5187	SEG5187-1	28	M-CIR: L518	2	F878	Buffer for sites 1Ja
L5187	SEG5751-1	28	WIDOWS CR	2	F878	Buffer for sites 1Ja
L5187	SEG5187-1	29	M-CIR: L518	1	F909	High potential for H
L5187	SEG5751-1	29	WIDOWS CR	1	F909	High potential for H
L5187	SEG5187-1	30	M-CIR: L518	1	F909	High potential for H
L5187	SEG5751-1	30	WIDOWS CR	1	F909	High potential for H
L5187	SEG5187-3	61	M-CIR: L518	1	F883	High potential for a

Natural Areas

L5187	SEG5779-1	3	NICKAJACK I	0	B463	Jason Mitchell, TV
L5187	SEG5779-1	4	NICKAJACK I	0	B463	Jason Mitchell, TV
L5187	SEG5779-1	5	NICKAJACK I	0	B463	Jason Mitchell, TV
L5187	SEG5187-3	59	M-CIR: L518	0	B463	Jason Mitchell, TV
L5187	SEG5187-3	60	M-CIR: L518	0	B463	Jason Mitchell, TV
L5187	SEG5187-3	61	M-CIR: L518	0	B463	Jason Mitchell, TV
L5187	SEG5187-1	BEGIN	WIDOWS CR	1	B778	R.L. Pope, TVA, 4:

Terrestrial
NONE

L5219
Hawthorne-
Ridgedale

Aquatic

L5219	13	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	14	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	15	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	16	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage

L5219	17	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	18	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	33	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	34	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	35	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	36	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	37	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	38	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	42	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	43	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	47	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	48	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	49	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	50	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	51	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5219	52	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage

Botany
NONE

Cultural

L5219	SEG5219-1	13	HAWTHORN	1	F2929	High Potential for a
L5219	SEG5219-1	14	HAWTHORN	1	F2929	High Potential for a
L5219	SEG5219-1	15	HAWTHORN	1	F2929	High Potential for a
L5219	SEG5219-1	16	HAWTHORN	1	F2929	High Potential for a
L5219	SEG5219-1	17	HAWTHORN	1	F2929	High Potential for a
L5219	SEG5219-1	17	HAWTHORN	1	F2930	High Potential for a
L5219	SEG5219-1	18	HAWTHORN	1	F2929	High Potential for a
L5219	SEG5219-1	18	HAWTHORN	1	F2930	High Potential for a
L5219	SEG5219-1	19	HAWTHORN	1	F2930	High Potential for a
L5219	SEG5219-1	28	HAWTHORN	1	F2931	High Potential for a
L5219	SEG5219-1	29	HAWTHORN	1	F2931	High Potential for a
L5219	SEG5219-1	41	HAWTHORN	1	F2932	High Potential for a
L5219	SEG5219-1	42	HAWTHORN	1	F2932	High Potential for a
L5219	SEG5219-1	43	HAWTHORN	1	F2932	High Potential for a
L5219	SEG5219-1	44	HAWTHORN	1	F2932	High Potential for a
L5219	SEG5219-1	29A	HAWTHORN	1	F2931	High Potential for a

Natural Areas
NONE

Terrestrial
NONE

L5681 Nickajack-
Raccoon Mtn.

Aquatic

L5681	1	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage

L5681	1	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	2	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	2	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	3	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	3	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	4	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	4	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	10	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	11	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	16	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	17	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	18	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	19	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	20	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	24	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	25	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	26	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	27	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	28	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	87	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	88	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5681	BEG(3)	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage

Botany

L5681	E2	2	A1399	State listed plant in ROW	Adam Dattilo (865-632-2403)
L5681	E3	2	A1399	State listed plant in ROW	Adam Dattilo (865-632-2403)
L5681	E4	2	A1399	State listed plant in ROW	Adam Dattilo (865-632-2403)

Cultural

L5681	SEG5681-1	4	NICKAJACK	1	F427	high potential for a
L5681	SEG5681-1	18	NICKAJACK	1	F423	high potential for a
L5681	SEG5681-1	19	NICKAJACK	1	F423	high potential for a
L5681	SEG5681-1	27	NICKAJACK	1	F424	high potential for a
L5681	SEG5681-1	28	NICKAJACK	1	F424	high potential for a

Natural Areas

L5681	SEG5681-1	3	NICKAJACK I	1	B464	Bo Baxter, TVA Ac
L5681	SEG5681-1	4	NICKAJACK I	1	B464	Bo Baxter, TVA Ac
L5681	SEG5681-2	20	RACCOON M	1	B599	James C. Brown, T
L5681	SEG5681-2	21	RACCOON M	1	B599	James C. Brown, T
L5681	SEG5681-2	22	RACCOON M	1	B599	James C. Brown, T
L5681	SEG5681-2	24	RACCOON M	1	B599	James C. Brown, T
L5681	SEG5681-2	25	RACCOON M	1	B599	James C. Brown, T
L5681	SEG5681-2	26	RACCOON M	1	B599	James C. Brown, T
L5681	SEG5681-1	27	NICKAJACK I	1	B466	Jason Mitchell, TV
L5681	SEG5681-2	30	RACCOON M	1	B599	James C. Brown, T
L5681	SEG5681-2	31	RACCOON M	1	B599	James C. Brown, T
L5681	SEG5681-2	32	RACCOON M	1	B599	James C. Brown, T
L5681	SEG5681-2	33	RACCOON M	1	B599	James C. Brown, T
L5681	SEG5681-2	40	RACCOON M	1	B599	James C. Brown, T
L5681	SEG5681-2	41	RACCOON M	1	B599	James C. Brown, T
L5681	SEG5681-2	87	RACCOON M	1	B466	Jason Mitchell, TV

L5681	SEG5681-3	BEG(3)	TAP STR 3-K	1	B464	Bo Baxter, TVA Ac
L5681	SEG5681-2	E4	RACCOON M	1	B598	Don Drumm, TVA,
L5681	SEG5681-2	E5	RACCOON M	1	B598	Don Drumm, TVA,
L5681	SEG5681-2	E6	RACCOON M	1	B598	Don Drumm, TVA,
L5681	SEG5681-2	E7	RACCOON M	1	B598	Don Drumm, TVA,
L5681	SEG5681-2	E8	RACCOON M	1	B598	Don Drumm, TVA,

Terrestrial
NONE

L5741 Apalachia-E. Cleveland

Aquatic

L5741	3	1	E437	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L5741	4	1	E437	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L5741	12	1	E432	State lsited fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	13	1	E432	State lsited fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	14	1	E432	State lsited fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	17	1	E431	State lsited fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	18	1	E431	State lsited fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	20	1	E431	State lsited fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	21	1	E431	State lsited fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	27	1	E430	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	28	1	E430	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	29	1	E430	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	30	1	E430	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	31	1	E430	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	32	1	E430	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	54	1	E429	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5741	55	1	E429	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5741	57	1	E429	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5741	59	1	E429	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5741	60	1	E429	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5741	61	1	E429	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5741	62	1	E429	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5741	71	1	E987	State Listed Fish Species SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	72	1	E987	State Listed Fish Species SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	73	1	E987	State Listed Fish Species SMZ A,	John (Bo) Baxter - TVA Heritage
L5741	53A	1	E429	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5741	BEGIN	1	E437	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage

Botany

L5741	1	1	A0239	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L5741	2	1	A0239	State listed plants in vicinity	Adam Dattilo (865-632-2403)

Cultural

L5741	SEG5741-4	56	BENTON STR	1	F904	High potential for a
L5741	SEG5741-4	57	BENTON STR	1	F904	High potential for a

L5741	SEG5741-4	58	BENTON STF	1	F904	High potential for a
L5741	SEG5741-4	59	BENTON STF	1	F904	High potential for a
L5741	SEG5741-4	60	BENTON STF	1	F904	High potential for a
L5741	SEG5741-4	72	BENTON STF	1	F903	High potential for a
L5741	SEG5741-4	73	BENTON STF	1	F903	High potential for a
L5741	SEG5741-4	87	BENTON STF	1	F905	High potential for a
L5741	SEG5741-4	88	BENTON STF	1	F905	High potential for a

Natural Areas

L5741	SEG5741-1	1	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	2	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	3	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	4	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	5	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	6	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	7	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	8	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	9	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	10	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	11	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	12	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	13	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	14	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	15	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	16	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	17	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	18	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	19	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	20	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	21	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	22	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	23	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	24	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	25	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	26	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	27	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	28	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	29	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	30	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	31	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	32	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	33	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	34	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	35	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	36	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	37	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	38	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	39	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	40	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	41	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	42	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	43	APALACHIA I	0	B182	Dan Herron, USFS

L5741	SEG5741-1	44	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	45	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	46	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	47	APALACHIA I	0	B182	Dan Herron, USFS
L5741	SEG5741-1	BEGIN	APALACHIA I	0	B182	Dan Herron, USFS

Terrestrial
NONE

L5752
Chickamauga-
Concord

Aquatic

L5752	1	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5752	2	1	E424	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5752	173	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5752	174	1	E907	Federal Listed Fish SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5752	197	1	E908	State listed crayfish- SMZ, BMPs	John (Bo) Baxter - TVA Heritage
L5752	220	1	E424	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L5752	221	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5752	222	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L5752	BEGIN	1	E909	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage

Botany

L5752	3	1	A1345	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5752	4	1	A1337	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5752	5	1	A1337	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5752	217	1	A1337	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5752	218	1	A1337	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5752	219	1	A1345	State-listed plants in vicinity	Adam Dattilo (865-632-2403)

Cultural
NONE

Natural Areas

L5752	SEG5716-1	1	CHICKAMAU	1	B583	Bo Baxter, TVA Ac
L5752	SEG5752-2	221	CHICKAMAU	1	B583	Bo Baxter, TVA Ac
L5752	SEG5752-2	222	M-CIR: L575	1	B583	Bo Baxter, TVA Ac
L5752	SEG5752-2	BEGIN	CHICKAMAU	1	B583	Bo Baxter, TVA Ac

Terrestrial

L5752	SEG5716-1	1	CHICKAMAU	1	D0105	Jenny Fiedler - TV
L5752	SEG5218-1	2	CHICKAMAU	1	D0105	Jenny Fiedler - TV
L5752	SEG5218-1	3	CHICKAMAU	1	D0105	Jenny Fiedler - TV
L5752	SEG5218-1	4	CHICKAMAU	1	D0105	Jenny Fiedler - TV
L5752	SEG5218-1	5	CHICKAMAU	1	D0105	Jenny Fiedler - TV
L5752	SEG5752-2	217	M-CIR: L575	1	D0105	Jenny Fiedler - TV
L5752	SEG5752-2	218	M-CIR: L575	1	D0105	Jenny Fiedler - TV
L5752	SEG5752-2	219	M-CIR: L575	1	D0105	Jenny Fiedler - TV

L5752	SEG5752-2	220	M-CIR: L575		1 D0105	Jenny Fiedler - TV
L5752	SEG5752-2	221	CHICKAMAU		1 D0105	Jenny Fiedler - TV
L5752	SEG5752-2	222	M-CIR: L575		1 D0105	Jenny Fiedler - TV
L5752	SEG5752-2	BEGIN	CHICKAMAU		1 D0105	Jenny Fiedler - TV

L5866 Athens-Loudon

Aquatic

L5866	16	1	E899	State listed fish- SMZA, BMPs	John (Bo) Baxter - TVA Heritage
L5866	17	1	E899	State listed fish- SMZA, BMPs	John (Bo) Baxter - TVA Heritage
L5866	18	1	E899	State listed fish- SMZA, BMPs	John (Bo) Baxter - TVA Heritage
L5866	24	1	E899	State listed fish- SMZA, BMPs	John (Bo) Baxter - TVA Heritage
L5866	25	1	E899	State listed fish- SMZA, BMPs	John (Bo) Baxter - TVA Heritage
L5866	26	1	E899	State listed fish- SMZA, BMPs	John (Bo) Baxter - TVA Heritage
L5866	27	1	E899	State listed fish- SMZA, BMPs	John (Bo) Baxter - TVA Heritage

Botany

L5866	121	1	A1319	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5866	122	1	A1319	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5866	123	1	A1319	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5866	124	1	A1319	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5866	606	1	A1319	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5866	646	1	A1320	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L5866	647	1	A1320	State-listed plants in vicinity	Adam Dattilo (865-632-2403)

Cultural

L5866	SEG5866-4	637	SWEETWAT	1	F2506	Known archaeolog
L5866	SEG5866-4	638	SWEETWAT	1	F2506	Known archaeolog
L5866	SEG5866-4	639	SWEETWAT	1	F2506	Known archaeolog
L5866	SEG5866-4	640	SWEETWAT	1	F2506	Known archaeolog
L5866	SEG5866-4	641	SWEETWAT	1	F2506	Known archaeolog
L5866	SEG5866-4	642	SWEETWAT	1	F2506	Known archaeolog
L5866	SEG5866-4	643	SWEETWAT	1	F2506	Known archaeolog

Natural Areas
NONE

Terrestrial
NONE

L5929 Basin-Toccoa

Aquatic

L5929	SEG3302-8	BASIN - T/		1 E989	State Listed Fi
L5929	SEG5929-8	M-CIR: L5		1 E989	State Listed Fi
L5929	SEG3302-9	BASIN - T/		1 E989	State Listed Fi

L5929	SEG5929-	9	M-CIR: L5	1	E989	State Listed Fi
L5929	SEG3302-	10	BASIN - TA	1	E989	State Listed Fi
L5929	SEG5929-	10	M-CIR: L5	1	E989	State Listed Fi
L5929	SEG3302-	11	BASIN - TA	1	E989	State Listed Fi
L5929	SEG5929-	11	M-CIR: L5	1	E989	State Listed Fi
L5929	SEG3302-	12	BASIN - TA	1	E989	State Listed Fi
L5929	SEG5929-	12	M-CIR: L5	1	E989	State Listed Fi
L5929	SEG3302-	23	BASIN - TA	1	E989	State Listed Fi
L5929	SEG5929-	23	M-CIR: L5	1	E989	State Listed Fi
L5929	SEG3302-	24	BASIN - TA	1	E989	State Listed Fi
L5929	SEG5929-	24	M-CIR: L5	1	E989	State Listed Fi
L5929	SEG3302-	25	BASIN - TA	1	E989	State Listed Fi
L5929	SEG5929-	25	M-CIR: L5	1	E989	State Listed Fi
L5929	SEG5929-	36	BASIN - TC	1	E989	State Listed Fi
L5929	SEG5929-	37	BASIN - TC	1	E989	State Listed Fi
L5929	SEG5929-	62	BASIN - TC	1	E989	State Listed Fi
L5929	SEG5929-	63	BASIN - TC	1	E989	State Listed Fi
L5929	SEG5929-	64	BASIN - TC	1	E989	State Listed Fi
L5929	SEG5929-	69	BASIN - TC	1	E989	State Listed Fi
L5929	SEG5929-	70	BASIN - TC	1	E989	State Listed Fi
L5929	SEG5929-	71	BASIN - TC	1	E989	State Listed Fi
L5929	SEG5929-	72	BASIN - TC	1	E989	State Listed Fi
L5929	SEG5929-	ENDING	BASIN - TC	1	E989	State Listed Fi

Botany
NONE

Cultural

L5929	SEG3302-1	9	BASIN - TAP	1	F2897	High Potential for a
L5929	SEG5929-1	9	M-CIR: L592	1	F2897	High Potential for a
L5929	SEG3302-1	10	BASIN - TAP	1	F2897	High Potential for a
L5929	SEG5929-1	10	M-CIR: L592	1	F2897	High Potential for a
L5929	SEG3302-1	11	BASIN - TAP	1	F2897	High Potential for a
L5929	SEG5929-1	11	M-CIR: L592	1	F2897	High Potential for a
L5929	SEG3302-1	23	BASIN - TAP	1	F2895	High Potential for a
L5929	SEG5929-1	23	M-CIR: L592	1	F2895	High Potential for a
L5929	SEG3302-1	24	BASIN - TAP	1	F2895	High Potential for a
L5929	SEG5929-1	24	M-CIR: L592	1	F2895	High Potential for a
L5929	SEG3302-1	25	BASIN - TAP	1	F2896	High Potential for a
L5929	SEG5929-1	25	M-CIR: L592	1	F2896	High Potential for a
L5929	SEG3302-1	26	BASIN - TAP	1	F2896	High Potential for a
L5929	SEG5929-1	26	M-CIR: L592	1	F2896	High Potential for a
L5929	SEG3302-1	27	BASIN - TAP	1	F2896	High Potential for a
L5929	SEG5929-1	27	M-CIR: L592	1	F2896	High Potential for a
L5929	SEG3302-1	28	BASIN - TAP	1	F2896	High Potential for a
L5929	SEG5929-1	28	M-CIR: L592	1	F2896	High Potential for a
L5929	SEG5929-1	42	BASIN - TOC	1	F2898	High Potential for a
L5929	SEG5929-1	43	BASIN - TOC	1	F2898	High Potential for a
L5929	SEG5929-1	44	BASIN - TOC	1	F2898	High Potential for a
L5929	SEG5929-1	45	BASIN - TOC	1	F2898	High Potential for a
L5929	SEG5929-1	46	BASIN - TOC	1	F2898	High Potential for a
L5929	SEG5929-1	47	BASIN - TOC	1	F2898	High Potential for a

L5929	SEG5929-1	47	BASIN - TOC	1	F2899	High Potential for a
L5929	SEG5929-1	48	BASIN - TOC	1	F2899	High Potential for a
L5929	SEG5929-1	49	BASIN - TOC	1	F2899	High Potential for a
L5929	SEG5929-1	63	BASIN - TOC	1	F2900	High Potential for a
L5929	SEG5929-1	64	BASIN - TOC	1	F2900	High Potential for a
L5929	SEG5929-1	65	BASIN - TOC	1	F2900	High Potential for a
L5929	SEG5929-1	66	BASIN - TOC	1	F2900	High Potential for a
L5929	SEG5929-1	68	BASIN - TOC	1	F2901	High Potential for a
L5929	SEG5929-1	69	BASIN - TOC	1	F2901	High Potential for a
L5929	SEG5929-1	70	BASIN - TOC	1	F2901	High Potential for a

Natural Areas

L5929	SEG3302-1	12	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	12	M-CIR: L592	0	B580	George Bain, Fore
L5929	SEG3302-1	13	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	13	M-CIR: L592	0	B580	George Bain, Fore
L5929	SEG3302-1	14	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	14	M-CIR: L592	0	B580	George Bain, Fore
L5929	SEG3302-1	15	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	15	M-CIR: L592	0	B580	George Bain, Fore
L5929	SEG3302-1	16	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	16	M-CIR: L592	0	B580	George Bain, Fore
L5929	SEG3302-1	17	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	17	M-CIR: L592	0	B580	George Bain, Fore
L5929	SEG3302-1	18	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	18	M-CIR: L592	0	B580	George Bain, Fore
L5929	SEG3302-1	19	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	19	M-CIR: L592	0	B580	George Bain, Fore
L5929	SEG3302-1	20	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	20	M-CIR: L592	0	B580	George Bain, Fore
L5929	SEG3302-1	21	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	21	M-CIR: L592	0	B580	George Bain, Fore
L5929	SEG3302-1	22	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	22	M-CIR: L592	0	B580	George Bain, Fore
L5929	SEG3302-1	23	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	23	M-CIR: L592	0	B580	George Bain, Fore
L5929	SEG3302-1	24	BASIN - TAP	0	B580	George Bain, Fore
L5929	SEG5929-1	24	M-CIR: L592	0	B580	George Bain, Fore

Terrestrial
NONE

L5961 Athens-Etowah

Aquatic

L5961	32	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	33	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	34	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	35	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage

L5961	36	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	37	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	38	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	39	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	41	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	42	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	43	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	62	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	63	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	64	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	65	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	66	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	67	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	68	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	69	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	70	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	71	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	72	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	73	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	74	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	75	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	76	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	77	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	78	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	79	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	80	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	81	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	82	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	83	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	84	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage
L5961	85	1	E646	State listed fish species - SMZ A	John (Bo) Baxter - TVA Heritage

Botany
NONE

Cultural
NONE

Natural Areas
NONE

Terrestrial
NONE

L5991 E. Cleveland-Catoosa

Aquatic

L5991	25	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage

L5991	26	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	27	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	28	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	29	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	30	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	31	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	32	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	33	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	35	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	36	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	40	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	41	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	43	1	E427	State threatened & listed fish spec	John (Bo) Baxter - TVA Heritage
L5991	44	1	E427	State threatened & listed fish spec	John (Bo) Baxter - TVA Heritage
L5991	45	1	E427	State threatened & listed fish spec	John (Bo) Baxter - TVA Heritage
L5991	46	1	E427	State threatened & listed fish spec	John (Bo) Baxter - TVA Heritage
L5991	47	1	E427	State threatened & listed fish spec	John (Bo) Baxter - TVA Heritage
L5991	48	1	E427	State threatened & listed fish spec	John (Bo) Baxter - TVA Heritage
L5991	49	1	E427	State threatened & listed fish spec	John (Bo) Baxter - TVA Heritage
L5991	50	1	E427	State threatened & listed fish spec	John (Bo) Baxter - TVA Heritage
L5991	64	1	E427	State threatened & listed fish spec	John (Bo) Baxter - TVA Heritage
L5991	65	1	E427	State threatened & listed fish spec	John (Bo) Baxter - TVA Heritage
L5991	66	1	E427	State threatened & listed fish spec	John (Bo) Baxter - TVA Heritage
L5991	508	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	509	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	510	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	511	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	512	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	34A	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage
L5991	39A	1	E428	Federally threatened mussel spec	John (Bo) Baxter - TVA Heritage

Botany

L5991	14	1	A0236	State listed plants in vicinity	Adam Dattilo (865-632-2403)

Cultural
NONE

Natural Areas
NONE

Terrestrial
NONE

L6065 Sequoyah-Georgia State Line

Aquatic

L6065	1	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage

L6065	2	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6065	3	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6065	4	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6065	5	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6065	6	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6065	6	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6065	7	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage

Botany
NONE

Cultural

L6065	SEG6065-1	5	SEQUOYAH	2	F859	Buffer for site40Ha
L6065	SEG6065-1	6	SEQUOYAH	2	F859	Buffer for site40Ha
L6065	SEG6065-2	6	CR BRK 6-BC	2	F859	Buffer for site40Ha
L6065	SEG6065-2	7	CR BRK 6-BC	2	F860	Buffer for Site 40H
L6065	SEG6065-2	8	CR BRK 6-BC	2	F860	Buffer for Site 40H
L6065	SEG6065-2	23	M-CIR: L606	1	F852	High potential for a
L6065	SEG6065-2	24	M-CIR: L606	1	F852	High potential for a
L6065	SEG6065-2	25	M-CIR: L606	1	F852	High potential for a
L6065	SEG3305-5	237	STR 234-MCI	1	F852	High potential for a
L6065	SEG3305-5	238	STR 234-MCI	1	F852	High potential for a
L6065	SEG3305-5	239	STR 234-MCI	1	F852	High potential for a

Natural Areas

L6065	SEG6065-1	1	SEQUOYAH	2	B758	TVA, Stephanie H
L6065	SEG6065-1	2	SEQUOYAH	2	B758	TVA, Stephanie H
L6065	SEG6065-1	3	SEQUOYAH	2	B758	TVA, Stephanie H
L6065	SEG6065-1	4	SEQUOYAH	2	B758	TVA, Stephanie H
L6065	SEG6065-1	5	SEQUOYAH	2	B758	TVA, Stephanie H
L6065	SEG6065-1	6	SEQUOYAH	2	B758	TVA, Stephanie H
L6065	SEG6065-2	6	CR BRK 6-BC	2	B758	TVA, Stephanie H
L6065	SEG6065-2	7	CR BRK 6-BC	0	B54	Donald Campbell,
L6065	SEG6065-1	BEGIN	SEQUOYAH	2	B758	TVA, Stephanie H

Terrestrial
NONE

L6068 Widows Creek-Sequoyah

Aquatic

L6068	54	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L6068	55	1	E302	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L6068	61	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L6068	62	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L6068	67	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L6068	68	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage
L6068	69	1	E301	Federally threatened fish species	John (Bo) Baxter - TVA Heritage

L6068	235	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6068	236	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage

Botany
NONE

Cultural

L6068	SEG6068-1	55	WIDOWS CR	1	F427	high potential for a

Natural Areas

L6068	SEG6068-1	1	WIDOWS CR	1	B778	R.L. Pope, TVA, 4
L6068	SEG6068-1	2	WIDOWS CR	1	B778	R.L. Pope, TVA, 4
L6068	SEG6068-1	3	WIDOWS CR	1	B778	R.L. Pope, TVA, 4
L6068	SEG6068-1	54	WIDOWS CR	1	B464	Bo Baxter, TVA Ac
L6068	SEG6068-1	55	WIDOWS CR	1	B464	Bo Baxter, TVA Ac
L6068	SEG6068-1	233	WIDOWS CR	2	B758	TVA, Stephanie H
L6068	SEG6068-1	234	WIDOWS CR	2	B758	TVA, Stephanie H
L6068	SEG6068-1	235	WIDOWS CR	2	B758	TVA, Stephanie H
L6068	SEG6068-1	236	WIDOWS CR	2	B758	TVA, Stephanie H
L6068	SEG6068-1	BEGIN	WIDOWS CR	1	B778	R.L. Pope, TVA, 4
L6068	SEG6068-1	ENDING	WIDOWS CR	2	B758	TVA, Stephanie H

Terrestrial
NONE

L6080 Watts Bar-
Sequoyah

Aquatic

L6080	2	1	E912	Federal,Listed Mussels & Fish- S	John (Bo) Baxter - TVA Heritage
L6080	3	1	E912	Federal Listed Mussels & Fish- S	John (Bo) Baxter - TVA Heritage
L6080	199	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	200	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	203	1	E500	Multiple fed. endang. mussel spe	John (Bo) Baxter - TVA Heritage
L6080	206	1	E500	Multiple fed. endang. mussel spe	John (Bo) Baxter - TVA Heritage
L6080	207	1	E912	Federal Listed Mussels & Fish- S	John (Bo) Baxter - TVA Heritage
L6080	208	1	E912	Federal Listed Mussels & Fish- S	John (Bo) Baxter - TVA Heritage
L6080	209	1	E912	Federal Listed Mussels & Fish- S	John (Bo) Baxter - TVA Heritage
L6080	300	1	E912	Federal Listed Mussels & Fish- S	John (Bo) Baxter - TVA Heritage
L6080	352	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	353	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	354	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	355	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	356	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	357	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	358	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	359	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	362	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	363	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	BEG(200)	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage

L6080	BEG(356)	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6080	E204	1	E912	Federal Listed Mussels & Fish- SI	John (Bo) Baxter - TVA Heritage
L6080	E205	1	E912	Federal Listed Mussels & Fish- SI	John (Bo) Baxter - TVA Heritage

Botany
NONE

Cultural

L6080	SEG6092-1	2	WATTS BAR	2	F2470	Known archaeolog
L6080	SEG6092-1	2	WATTS BAR	2	F456	Buffer for sites 40F
L6080	SEG6092-1	3	WATTS BAR	1	F2469	High Potential for A
L6080	SEG6092-1	3	WATTS BAR	1	F455	high potential for a
L6080	SEG6081-1	199	WATTS BAR	1	F2462	High Potential for A
L6080	SEG6080-1	203	WATTS BAR	2	F2470	Known archaeolog
L6080	SEG6080-1	203	WATTS BAR	2	F456	Buffer for sites 40F
L6080	SEG6080-1	207	WATTS BAR	1	F2468	High Potential for A
L6080	SEG6080-1	207	WATTS BAR	1	F454	high potential for a
L6080	SEG6080-1	208	WATTS BAR	1	F2468	High Potential for A
L6080	SEG6080-1	208	WATTS BAR	1	F454	high potential for a
L6080	SEG6080-1	209	WATTS BAR	1	F2468	High Potential for A
L6080	SEG6080-1	209	WATTS BAR	1	F454	high potential for a
L6080	SEG6080-1	210	WATTS BAR	1	F2468	High Potential for A
L6080	SEG6080-2	260	STR 230-STR	1	F2467	High Potential for A
L6080	SEG6080-2	261	STR 230-STR	1	F2467	High Potential for A
L6080	SEG6080-2	262	STR 230-STR	1	F2467	High Potential for A
L6080	SEG6080-2	263	STR 230-STR	1	F2467	High Potential for A
L6080	SEG6080-2	264	STR 230-STR	1	F2467	High Potential for A
L6080	SEG6080-2	310	STR 230-STR	2	F2466	Known archaeolog
L6080	SEG6080-2	311	STR 230-STR	2	F2466	Known archaeolog
L6080	SEG6080-2	312	STR 230-STR	2	F2466	Known archaeolog
L6080	SEG6080-2	313	STR 230-STR	1	F2465	High Potential for A
L6080	SEG6080-2	313	STR 230-STR	2	F2466	Known archaeolog
L6080	SEG6080-2	314	STR 230-STR	1	F2465	High Potential for A
L6080	SEG6080-2	315	STR 230-STR	1	F2465	High Potential for A
L6080	SEG6080-2	316	STR 230-STR	1	F2465	High Potential for A
L6080	SEG6080-2	317	STR 230-STR	1	F2465	High Potential for A
L6080	SEG6080-2	318	STR 230-STR	1	F2465	High Potential for A
L6080	SEG6080-2	319	STR 230-STR	1	F2465	High Potential for A
L6080	SEG6080-2	320	STR 230-STR	1	F2465	High Potential for A
L6080	SEG6080-2	321	STR 230-STR	1	F2465	High Potential for A
L6080	SEG6080-2	322	STR 230-STR	1	F2465	High Potential for A
L6080	SEG6080-2	327	STR 230-STR	1	F2464	High Potential for A
L6080	SEG6080-2	328	STR 230-STR	1	F2464	High Potential for A
L6080	SEG6080-2	329	STR 230-STR	1	F2464	High Potential for A
L6080	SEG6080-2	330	STR 230-STR	1	F2464	High Potential for A
L6080	SEG6080-2	331	STR 230-STR	1	F2464	High Potential for A
L6080	SEG6080-2	332	STR 230-STR	1	F2464	High Potential for A
L6080	SEG6080-2	333	STR 230-STR	1	F2464	High Potential for A
L6080	SEG6080-2	342	STR 230-STR	1	F2463	High Potential for A
L6080	SEG6080-2	343	STR 230-STR	1	F2463	High Potential for A
L6080	SEG6080-2	344	STR 230-STR	1	F2463	High Potential for A
L6080	SEG6080-2	345	STR 230-STR	1	F2463	High Potential for A

L6080	SEG6080-2	350	STR 230-STR	1	F2462	High Potential for A
L6080	SEG6080-2	351	STR 230-STR	1	F2462	High Potential for A
L6080	SEG6080-2	352	STR 230-STR	1	F2462	High Potential for A
L6080	SEG6080-2	353	STR 230-STR	1	F2462	High Potential for A
L6080	SEG6080-2	354	STR 230-STR	1	F2462	High Potential for A
L6080	SEG6080-2	355	STR 230-STR	1	F2462	High Potential for A
L6080	SEG6080-2	356	STR 230-STR	1	F2462	High Potential for A
L6080	SEG6080-3	BEG(356)	M-CIR: L608	1	F2462	High Potential for A
L6080	SEG6080-1	BEGIN	WATTS BAR	2	F2470	Known archaeolog
L6080	SEG6080-1	BEGIN	WATTS BAR	2	F456	Buffer for sites 40F
L6080	SEG6080-1	E204	M-CIR: L608	2	F2470	Known archaeolog
L6080	SEG6080-1	E204	M-CIR: L608	2	F456	Buffer for sites 40F
L6080	SEG6080-1	E205	M-CIR: L608	1	F2469	High Potential for A
L6080	SEG6080-1	E205	M-CIR: L608	1	F455	high potential for a

Natural Areas

L6080	SEG6092-1	2	WATTS BAR	2	B615	TWRA Region III, S
L6080	SEG6092-1	3	WATTS BAR	1	B486	Jason Mitchell, TV
L6080	SEG6081-1	199	WATTS BAR	0	B759	Martin High, TVA,
L6080	SEG6081-1	200	WATTS BAR	2	B758	TVA, Stephanie H
L6080	SEG6080-1	203	WATTS BAR	2	B762	Jerri Phillips, TVA,
L6080	SEG6080-2	299	STR 230-STR	2	B761	TWRA, Region III,
L6080	SEG6080-2	300	STR 230-STR	2	B761	TWRA, Region III,
L6080	SEG6080-2	301	STR 230-STR	2	B761	TWRA, Region III,
L6080	SEG6080-2	352	STR 230-STR	0	B759	Martin High, TVA,
L6080	SEG6080-2	353	STR 230-STR	0	B759	Martin High, TVA,
L6080	SEG6080-2	354	STR 230-STR	0	B759	Martin High, TVA,
L6080	SEG6080-2	355	STR 230-STR	0	B759	Martin High, TVA,
L6080	SEG6080-2	356	STR 230-STR	0	B759	Martin High, TVA,
L6080	SEG6080-3	357	M-CIR: L608	2	B758	TVA, Stephanie H
L6080	SEG6080-3	358	CR BRK 356-	2	B758	TVA, Stephanie H
L6080	SEG6080-3	359	CR BRK 356-	2	B758	TVA, Stephanie H
L6080	SEG6080-3	360	CR BRK 356-	2	B758	TVA, Stephanie H
L6080	SEG6080-3	361	CR BRK 356-	2	B758	TVA, Stephanie H
L6080	SEG6080-3	362	CR BRK 356-	2	B758	TVA, Stephanie H
L6080	SEG6080-3	363	CR BRK 356-	2	B758	TVA, Stephanie H
L6080	SEG6081-2	BEG(200)	CR BRK 200-	2	B758	TVA, Stephanie H
L6080	SEG6080-3	BEG(356)	M-CIR: L608	0	B759	Martin High, TVA,
L6080	SEG6080-1	BEGIN	WATTS BAR	2	B762	Jerri Phillips, TVA,
L6080	SEG6080-1	E204	M-CIR: L608	2	B615	TWRA Region III, S
L6080	SEG6080-1	E205	M-CIR: L608	1	B486	Jason Mitchell, TV
L6080	SEG6080-3	ENDING	CR BRK 356-	2	B758	TVA, Stephanie H

Terrestrial
NONE

L6081 Watts Bar-
Sequoyah

Aquatic

L6081	1	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage
L6081	5	1	E912	Federal Listed Mussels & Fish- SI	John (Bo) Baxter - TVA Heritage
L6081	6	1	E912	Federal Listed Mussels & Fish- SI	John (Bo) Baxter - TVA Heritage
L6081	7	1	E912	Federal Listed Mussels & Fish- SI	John (Bo) Baxter - TVA Heritage
L6081	106	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6081	107	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6081	195	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6081	196	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6081	197	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6081	198	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6081	201	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6081	202	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6081	205	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6081	206	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6081	BEGIN	1	E500	Multiple fed. endang. mussel spec	John (Bo) Baxter - TVA Heritage

Botany

L6081	114	1	A1347	State-listed plants in vicinity	Adam Dattilo (865-632-2403)

Cultural

L6081	SEG6081-1	1	WATTS BAR	2	F2470	Known archaeolog
L6081	SEG6081-1	1	WATTS BAR	2	F456	Buffer for sites 40F
L6081	SEG6081-1	5	WATTS BAR	1	F2468	High Potential for A
L6081	SEG6081-1	5	WATTS BAR	1	F454	high potential for a
L6081	SEG6081-1	6	WATTS BAR	1	F2468	High Potential for A
L6081	SEG6081-1	6	WATTS BAR	1	F454	high potential for a
L6081	SEG6081-1	7	WATTS BAR	1	F2468	High Potential for A
L6081	SEG6081-1	7	WATTS BAR	1	F454	high potential for a
L6081	SEG6081-1	8	WATTS BAR	1	F2468	High Potential for A
L6081	SEG6081-1	105	WATTS BAR	1	F2472	High Potential for A
L6081	SEG6081-1	106	WATTS BAR	1	F2472	High Potential for A
L6081	SEG6081-1	113	WATTS BAR	1	F2471	High Potential for A
L6081	SEG6081-1	114	WATTS BAR	1	F2471	High Potential for A
L6081	SEG6081-1	115	WATTS BAR	1	F2471	High Potential for A
L6081	SEG6081-1	116	WATTS BAR	1	F2471	High Potential for A
L6081	SEG6081-1	193	WATTS BAR	1	F2462	High Potential for A
L6081	SEG6081-1	194	WATTS BAR	1	F2462	High Potential for A
L6081	SEG6081-1	195	WATTS BAR	1	F2462	High Potential for A
L6081	SEG6081-1	196	WATTS BAR	1	F2462	High Potential for A
L6081	SEG6081-1	197	WATTS BAR	1	F2462	High Potential for A
L6081	SEG6081-1	198	WATTS BAR	1	F2462	High Potential for A
L6081	SEG6081-1	BEGIN	WATTS BAR	2	F2470	Known archaeolog
L6081	SEG6081-1	BEGIN	WATTS BAR	2	F456	Buffer for sites 40F

Natural Areas

L6081	SEG6081-1	1	WATTS BAR	2	B762	Jerri Phillips, TVA,
L6081	SEG6081-1	105	WATTS BAR	2	B593	Jason Jackson, TV
L6081	SEG6081-1	106	WATTS BAR	2	B593	Jason Jackson, TV
L6081	SEG6081-1	107	WATTS BAR	2	B593	Jason Jackson, TV
L6081	SEG6081-1	114	WATTS BAR	2	B593	Jason Jackson, TV
L6081	SEG6081-1	115	WATTS BAR	2	B593	Jason Jackson, TV
L6081	SEG6081-1	116	WATTS BAR	2	B593	Jason Jackson, TV

L6081	SEG6081-1	117	WATTS BAR	2	B593	Jason Jackson, TV
L6081	SEG6081-1	195	WATTS BAR	0	B759	Martin High, TVA,
L6081	SEG6081-1	196	WATTS BAR	0	B759	Martin High, TVA,
L6081	SEG6081-1	197	WATTS BAR	0	B759	Martin High, TVA,
L6081	SEG6081-1	198	WATTS BAR	0	B759	Martin High, TVA,
L6081	SEG6081-2	201	CR BRK 200-	2	B758	TVA, Stephanie H
L6081	SEG6081-2	202	CR BRK 200-	2	B758	TVA, Stephanie H
L6081	SEG6081-2	203	CR BRK 200-	2	B758	TVA, Stephanie H
L6081	SEG6081-2	204	CR BRK 200-	2	B758	TVA, Stephanie H
L6081	SEG6081-2	205	CR BRK 200-	2	B758	TVA, Stephanie H
L6081	SEG6081-2	206	CR BRK 200-	2	B758	TVA, Stephanie H
L6081	SEG6081-1	BEGIN	WATTS BAR	2	B762	Jerri Phillips, TVA,
L6081	SEG6081-2	ENDING	CR BRK 200-	2	B758	TVA, Stephanie H

Terrestrial
NONE

L6103 Sequoyah-Franklin

Aquatic

L6103	1	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6103	2	1	E911	Federal Listed Mussels- SMZ, BM	John (Bo) Baxter - TVA Heritage
L6103	97	1	E396	State listed fish species - SMZA, B	John (Bo) Baxter - TVA Heritage
L6103	98	1	E396	State listed fish species - SMZA, B	John (Bo) Baxter - TVA Heritage
L6103	101	1	E396	State listed fish species - SMZA, B	John (Bo) Baxter - TVA Heritage
L6103	102	1	E396	State listed fish species - SMZA, B	John (Bo) Baxter - TVA Heritage
L6103	103	1	E396	State listed fish species - SMZA, B	John (Bo) Baxter - TVA Heritage
L6103	104	1	E396	State listed fish species - SMZA, B	John (Bo) Baxter - TVA Heritage
L6103	105	1	E396	State listed fish species - SMZA, B	John (Bo) Baxter - TVA Heritage
L6103	110	1	E396	State listed fish species - SMZA, B	John (Bo) Baxter - TVA Heritage
L6103	113	1	E396	State listed fish species - SMZA, B	John (Bo) Baxter - TVA Heritage
L6103	212	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L6103	213	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L6103	214	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L6103	215	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L6103	216	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L6103	217	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L6103	218	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L6103	219	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L6103	220	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L6103	221	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L6103	222	1	E902	State listed fish & mussels specie	John (Bo) Baxter - TVA Heritage
L6103	224	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L6103	225	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L6103	226	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L6103	227	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L6103	228	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L6103	229	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage

L6103	230	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L6103	231	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L6103	232	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L6103	233	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L6103	234	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L6103	235	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L6103	236	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L6103	237	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L6103	239	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L6103	240	1	E902	State listed fish and mussels - SM	John (Bo) Baxter - TVA Heritage
L6103	242	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L6103	243	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L6103	244	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L6103	245	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L6103	246	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L6103	247	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L6103	248	1	E902	State listed fish and mussels- SM	John (Bo) Baxter - TVA Heritage
L6103	256	1	E394	Federal candidate mussel species	John (Bo) Baxter - TVA Heritage
L6103	257	1	E394	Federal candidate mussel species	John (Bo) Baxter - TVA Heritage
L6103	258	1	E394	Federal candidate mussel species	John (Bo) Baxter - TVA Heritage
L6103	270	1	E394	Federal candidate mussel species	John (Bo) Baxter - TVA Heritage
L6103	271	1	E394	Federal candidate mussel species	John (Bo) Baxter - TVA Heritage
L6103	279	1	E387	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L6103	280	1	E387	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L6103	281	1	E387	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L6103	282	1	E387	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L6103	283	1	E387	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L6103	284	1	E387	Federally endangered mussel spe	John (Bo) Baxter - TVA Heritage
L6103	302	1	E660	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L6103	303	1	E660	State listed fish species - SMZ A,	John (Bo) Baxter - TVA Heritage
L6103	E316	1	E386	State listed snail species - SMZ A	John (Bo) Baxter - TVA Heritage
L6103	E317	1	E386	State listed snail species - SMZ A	John (Bo) Baxter - TVA Heritage
L6103	E317	1	E386	State listed snail species - SMZ A	John (Bo) Baxter - TVA Heritage

Botany

L6103	185	1	A1334	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	186	1	A1334	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	194	1	A1333	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	195	1	A1333	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	196	1	A1333	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	199	1	A1332	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	200	1	A1332	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	201	1	A1332	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	202	1	A1332	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	209	1	A1331	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	210	1	A1331	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	211	1	A1331	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	212	1	A1330	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	225	1	A0160	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	226	1	A0160	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	229	1	A0159	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	230	1	A0158	State listed plant in vicinity	Adam Dattilo (865-632-2403)

L6103	232	1	A0157	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	233	1	A0157	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	234	1	A0157	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	235	1	A0157	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	243	1	A0156	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	244	1	A0156	State listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	247	1	A1329	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	248	1	A1329	State-listed plants in vicinity	Adam Dattilo (865-632-2403)
L6103	294	1	A0822	State-listed plants 1000 ft N of RC	Adam Dattilo (865-632-2403)
L6103	295	1	A0822	State-listed plants 1000 ft N of RC	Adam Dattilo (865-632-2403)
L6103	319	1	A0400	Federally and State listed plants ir	Adam Dattilo (865-632-2403)
L6103	320	1	A0400	Federally and State listed plants ir	Adam Dattilo (865-632-2403)
L6103	E316	1	A0014	State and Federal listed plants in	Adam Dattilo (865-632-2403)
L6103	E317	1	A0014	State and Federal listed plants in	Adam Dattilo (865-632-2403)
L6103	E317	1	A0014	State and Federal listed plants in	Adam Dattilo (865-632-2403)
L6103	E318	1	A0014	State and Federal listed plants in	Adam Dattilo (865-632-2403)
L6103	E318	1	A0014	State and Federal listed plants in	Adam Dattilo (865-632-2403)
L6103	ENDING	1	A0400	Federally and State listed plants ir	Adam Dattilo (865-632-2403)

Cultural

L6103	SEG6103-1	85	SEQUOYAH	2	F998	Buffer for site 40S
L6103	SEG6103-1	86	SEQUOYAH	2	F998	Buffer for site 40S
L6103	SEG6103-1	87	SEQUOYAH	2	F998	Buffer for site 40S
L6103	SEG6103-1	88	SEQUOYAH	2	F998	Buffer for site 40S
L6103	SEG6103-1	101	SEQUOYAH	2	F997	Buffer for site 40S
L6103	SEG6103-1	102	SEQUOYAH	2	F997	Buffer for site 40S
L6103	SEG6103-1	103	SEQUOYAH	2	F997	Buffer for site 40S
L6103	SEG6103-1	104	SEQUOYAH	2	F997	Buffer for site 40S
L6103	SEG6103-1	105	SEQUOYAH	2	F997	Buffer for site 40S
L6103	SEG6103-1	136	SEQUOYAH	2	F996	Buffer for site 40S
L6103	SEG6103-1	137	SEQUOYAH	2	F996	Buffer for site 40S
L6103	SEG6103-1	138	SEQUOYAH	2	F996	Buffer for site 40S
L6103	SEG6103-1	199	SEQUOYAH	2	F995	Buffer for site 40G
L6103	SEG6103-1	200	SEQUOYAH	1	F2498	Buffer for site 40G
L6103	SEG6103-1	200	SEQUOYAH	2	F995	Buffer for site 40G
L6103	SEG6103-1	201	SEQUOYAH	1	F2498	Buffer for site 40G
L6103	SEG6103-1	201	SEQUOYAH	2	F995	Buffer for site 40G
L6103	SEG6103-1	202	SEQUOYAH	1	F2498	Buffer for site 40G
L6103	SEG6103-1	202	SEQUOYAH	2	F995	Buffer for site 40G
L6103	SEG6103-1	204	SEQUOYAH	2	F995	Buffer for site 40G
L6103	SEG6103-1	214	SEQUOYAH	2	F425	Buffer for site 49G
L6103	SEG6103-1	215	SEQUOYAH	2	F425	Buffer for site 49G
L6103	SEG6103-1	216	SEQUOYAH	2	F425	Buffer for site 49G
L6103	SEG6103-1	217	SEQUOYAH	2	F425	Buffer for site 49G
L6103	SEG6103-1	223	SEQUOYAH	1	F2496	High Potential for
L6103	SEG6103-2	224	CR BRK 223-	1	F2496	High Potential for
L6103	SEG6103-2	224	CR BRK 223-	2	F994	Buffer for site 40G
L6103	SEG6103-2	225	CR BRK 223-	1	F2496	High Potential for
L6103	SEG6103-2	225	CR BRK 223-	2	F2497	Buffer for site 40G
L6103	SEG6103-2	225	CR BRK 223-	2	F994	Buffer for site 40G
L6103	SEG6103-2	226	CR BRK 223-	1	F2495	High Potentiall for
L6103	SEG6103-2	226	CR BRK 223-	2	F2497	Buffer for site 40G

L6103	SEG6103-2	226	CR BRK 223-	2	F994	Buffer for site 40G
L6103	SEG6103-2	227	CR BRK 223-	1	F2495	High Potentiall for
L6103	SEG6103-2	227	CR BRK 223-	2	F2497	Buffer for site 40G
L6103	SEG6103-2	227	CR BRK 223-	2	F994	Buffer for site 40G
L6103	SEG6103-2	228	CR BRK 223-	1	F2495	High Potentiall for
L6103	SEG6103-2	229	CR BRK 223-	2	F2494	Known archaeolog
L6103	SEG6103-2	229	CR BRK 223-	1	F2495	High Potentiall for
L6103	SEG6103-2	229	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	230	CR BRK 223-	2	F2494	Known archaeolog
L6103	SEG6103-2	230	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	231	CR BRK 223-	2	F2494	Known archaeolog
L6103	SEG6103-2	231	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	232	CR BRK 223-	1	F2493	High Potential for
L6103	SEG6103-2	232	CR BRK 223-	2	F2494	Known archaeolog
L6103	SEG6103-2	232	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	233	CR BRK 223-	1	F2493	High Potential for
L6103	SEG6103-2	233	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	234	CR BRK 223-	1	F2493	High Potential for
L6103	SEG6103-2	234	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	235	CR BRK 223-	2	F2492	Known archaeolog
L6103	SEG6103-2	235	CR BRK 223-	1	F2493	High Potential for
L6103	SEG6103-2	235	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	236	CR BRK 223-	2	F2491	Known archaeolog
L6103	SEG6103-2	236	CR BRK 223-	2	F2492	Known archaeolog
L6103	SEG6103-2	236	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	237	CR BRK 223-	1	F2489	High Potential for
L6103	SEG6103-2	237	CR BRK 223-	2	F2491	Known archaeolog
L6103	SEG6103-2	237	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	238	CR BRK 223-	1	F2489	High Potential for
L6103	SEG6103-2	238	CR BRK 223-	2	F2491	Known archaeolog
L6103	SEG6103-2	238	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	239	CR BRK 223-	1	F2489	High Potential for
L6103	SEG6103-2	239	CR BRK 223-	2	F2490	Known archaeolog
L6103	SEG6103-2	239	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	240	CR BRK 223-	2	F2490	Known archaeolog
L6103	SEG6103-2	240	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	241	CR BRK 223-	2	F2488	Buffer for site 40G
L6103	SEG6103-2	241	CR BRK 223-	2	F2490	Known archaeolog
L6103	SEG6103-2	241	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	242	CR BRK 223-	2	F2488	Buffer for site 40G
L6103	SEG6103-2	242	CR BRK 223-	1	F2487	High Potential for
L6103	SEG6103-2	242	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	243	CR BRK 223-	1	F2487	High Potential for
L6103	SEG6103-2	243	CR BRK 223-	2	F993	Buffer for site 40G
L6103	SEG6103-2	244	CR BRK 223-	1	F2487	High Potential for
L6103	SEG6103-2	244	CR BRK 223-	2	F992	Buffer for site 40G
L6103	SEG6103-2	245	CR BRK 223-	1	F2485	High Potential for
L6103	SEG6103-2	245	CR BRK 223-	2	F2486	Buffer for site 40G
L6103	SEG6103-2	245	CR BRK 223-	1	F2487	High Potential for
L6103	SEG6103-2	245	CR BRK 223-	2	F992	Buffer for site 40G
L6103	SEG6103-2	246	CR BRK 223-	1	F2485	High Potential for
L6103	SEG6103-2	246	CR BRK 223-	2	F992	Buffer for site 40G

L6103	SEG6103-2	247	CR BRK 223-	1	F2485	High Potential for A
L6103	SEG6103-2	247	CR BRK 223-	2	F992	Buffer for site 40G
L6103	SEG6103-2	248	CR BRK 223-	2	F2483	Known archaeolog
L6103	SEG6103-2	255	CR BRK 223-	1	F1022A	High potential for a
L6103	SEG6103-2	256	CR BRK 223-	1	F1022A	High potential for a
L6103	SEG6103-2	257	CR BRK 223-	1	F1022A	High potential for a
L6103	SEG6103-2	258	CR BRK 223-	1	F1022A	High potential for a
L6103	SEG6103-2	259	CR BRK 223-	1	F1022A	High potential for a
L6103	SEG6103-2	270	CR BRK 223-	1	F1021A	High potential for a
L6103	SEG6103-2	271	CR BRK 223-	1	F1021A	High potential for a
L6103	SEG6103-2	272	CR BRK 223-	1	F1021A	High potential for a
L6103	SEG6103-2	278	CR BRK 223-	1	F1023A	High potential for a
L6103	SEG6103-2	279	CR BRK 223-	1	F1023A	High potential for a
L6103	SEG6103-2	280	CR BRK 223-	1	F1023A	High potential for a
L6103	SEG6103-2	BEG(223)	CR BRK 223-	1	F2496	High Potential for A

Natural Areas

L6103	SEG6103-1	1	SEQUOYAH	2	B758	TVA, Stephanie H
L6103	SEG6103-1	2	SEQUOYAH	2	B758	TVA, Stephanie H
L6103	SEG6103-1	3	SEQUOYAH	2	B758	TVA, Stephanie H
L6103	SEG6103-1	49	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	50	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	51	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	52	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	53	SEQUOYAH	0	B561	Bobby Fulcher, 86
L6103	SEG6103-1	54	SEQUOYAH	0	B561	Bobby Fulcher, 86
L6103	SEG6103-1	55	SEQUOYAH	0	B561	Bobby Fulcher, 86
L6103	SEG6103-1	56	SEQUOYAH	0	B561	Bobby Fulcher, 86
L6103	SEG6103-1	57	SEQUOYAH	0	B561	Bobby Fulcher, 86
L6103	SEG6103-1	58	SEQUOYAH	0	B561	Bobby Fulcher, 86
L6103	SEG6103-1	59	SEQUOYAH	0	B561	Bobby Fulcher, 86
L6103	SEG6103-1	60	SEQUOYAH	0	B561	Bobby Fulcher, 86
L6103	SEG6103-1	67	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	68	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	69	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	70	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	71	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	72	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	73	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	74	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	75	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	76	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	77	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	78	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	79	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	80	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	81	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	83	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	84	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	85	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	86	SEQUOYAH	1	B548	David Lincicome,
L6103	SEG6103-1	94	SEQUOYAH	0	B549	

L6103	SEG6103-1	95	SEQUOYAH	0	B549	
L6103	SEG6103-1	96	SEQUOYAH	0	B549	
L6103	SEG6103-1	97	SEQUOYAH	0	B549	
L6103	SEG6103-1	98	SEQUOYAH	0	B549	
L6103	SEG6103-1	99	SEQUOYAH	0	B549	
L6103	SEG6103-1	100	SEQUOYAH	0	B549	
L6103	SEG6103-1	101	SEQUOYAH	1	B466	Jason Mitchell, TV
L6103	SEG6103-1	102	SEQUOYAH	1	B466	Jason Mitchell, TV
L6103	SEG6103-1	103	SEQUOYAH	0	B549	
L6103	SEG6103-1	104	SEQUOYAH	0	B549	
L6103	SEG6103-1	105	SEQUOYAH	0	B549	
L6103	SEG6103-1	106	SEQUOYAH	0	B549	
L6103	SEG6103-1	107	SEQUOYAH	0	B549	
L6103	SEG6103-1	108	SEQUOYAH	0	B549	
L6103	SEG6103-1	109	SEQUOYAH	0	B549	
L6103	SEG6103-1	110	SEQUOYAH	0	B549	
L6103	SEG6103-1	111	SEQUOYAH	0	B549	
L6103	SEG6103-1	112	SEQUOYAH	0	B549	
L6103	SEG6103-1	221	SEQUOYAH	0	B552	
L6103	SEG6103-1	222	SEQUOYAH	0	B552	
L6103	SEG6103-1	223	SEQUOYAH	0	B552	
L6103	SEG6103-2	224	CR BRK 223-	0	B552	
L6103	SEG6103-2	225	CR BRK 223-	0	B552	
L6103	SEG6103-2	226	CR BRK 223-	0	B552	
L6103	SEG6103-2	227	CR BRK 223-	0	B552	
L6103	SEG6103-2	228	CR BRK 223-	0	B552	
L6103	SEG6103-2	229	CR BRK 223-	0	B552	
L6103	SEG6103-2	230	CR BRK 223-	0	B552	
L6103	SEG6103-2	231	CR BRK 223-	0	B552	
L6103	SEG6103-2	232	CR BRK 223-	0	B552	
L6103	SEG6103-2	233	CR BRK 223-	0	B552	
L6103	SEG6103-2	234	CR BRK 223-	0	B552	
L6103	SEG6103-2	235	CR BRK 223-	0	B552	
L6103	SEG6103-2	236	CR BRK 223-	0	B552	
L6103	SEG6103-2	237	CR BRK 223-	0	B552	
L6103	SEG6103-2	238	CR BRK 223-	0	B552	
L6103	SEG6103-2	267	CR BRK 223-	3	B555	Geoff Call, AEDC,
L6103	SEG6103-2	268	CR BRK 223-	3	B555	Geoff Call, AEDC,
L6103	SEG6103-2	279	CR BRK 223-	3	B555	Geoff Call, AEDC,
L6103	SEG6103-2	280	CR BRK 223-	3	B555	Geoff Call, AEDC,
L6103	SEG6103-2	292	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	293	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	294	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	295	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	296	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	297	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	298	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	299	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	300	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	301	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	302	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	303	CR BRK 223-	3	B556	Rick McWhite, 931

L6103	SEG6103-2	304	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	305	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	306	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	307	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	308	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	309	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	310	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	311	CR BRK 223-	0	B21	
L6103	SEG6103-2	312	CR BRK 223-	0	B21	
L6103	SEG6103-2	319	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	320	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG6103-2	BEG(223)	CR BRK 223-	0	B552	
L6103	SEG6103-1	BEGIN	SEQUOYAH	2	B758	TVA, Stephanie H
L6103	SEG5702-1	E313	WINCHESTE	0	B21	
L6103	SEG6103-2	E313	M-CIR: L610	0	B21	
L6103	SEG5702-1	E314	WINCHESTE	3	B556	Rick McWhite, 931
L6103	SEG6103-2	E314	M-CIR: L610	3	B556	Rick McWhite, 931
L6103	SEG5702-1	E315	WINCHESTE	3	B556	Rick McWhite, 931
L6103	SEG6103-2	E315	M-CIR: L610	3	B556	Rick McWhite, 931
L6103	SEG6103-2	E316	CR BRK 223-	3	B556	Rick McWhite, 931
L6103	SEG5703-1	E317	FRANKLIN-S	3	B556	Rick McWhite, 931
L6103	SEG6103-2	E317	M-CIR: L610	3	B556	Rick McWhite, 931
L6103	SEG5703-1	E318	FRANKLIN-S	3	B556	Rick McWhite, 931
L6103	SEG6103-2	E318	M-CIR: L610	3	B556	Rick McWhite, 931
L6103	SEG6103-2	ENDING	CR BRK 223-	3	B556	Rick McWhite, 931

Terrestrial
NONE

L6123 Rock Springs-Center

Aquatic
NONE

Botany
NONE

NOTE: THIS LINE IS CURRENTLY OUT FOR REVIEW. DATA WILL BE EN

Cultural
NONE

Natural Areas
NONE

Terrestrial
NONE

L6183 Widows Creek-Rock Springs

Aquatic

L6183	4	1	E417	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage
L6183	5	1	E417	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage
L6183	6	1	E417	Fed. endangered mussel & snail s	John (Bo) Baxter - TVA Heritage

Botany
NONE

Cultural

L6183	SEG6183-1	6	WIDOWS CR	2	F853	Site buffer for Ja,5
L6183	SEG6183-1	7	WIDOWS CR	2	F853	Site buffer for Ja,5

Natural Areas

L6183	SEG6183-1	1	WIDOWS CR	1	B778	R.L. Pope, TVA, 4:
L6183	SEG6183-1	2	WIDOWS CR	1	B778	R.L. Pope, TVA, 4:
L6183	SEG6183-1	3	WIDOWS CR	1	B778	R.L. Pope, TVA, 4:
L6183	SEG6183-1	6	WIDOWS CR	1	B128	Jud Easterwood, A

Terrestrial
NONE

L6184 Loopers Farm-Alpha

Aquatic
NONE

Botany
NONE

Cultural
NONE

Natural Areas

L6184	SEG4250-1	7	ALPHA - NEV	1	B606	Jason Mitchell, TV
L6184	SEG6184-1	7	M-CIR: L618	1	B606	Jason Mitchell, TV
L6184	SEG4250-1	8	ALPHA - NEV	1	B606	Jason Mitchell, TV
L6184	SEG6184-1	8	M-CIR: L618	1	B606	Jason Mitchell, TV
L6184	SEG4250-1	9	ALPHA - NEV	1	B606	Jason Mitchell, TV
L6184	SEG6184-1	9	M-CIR: L618	1	B606	Jason Mitchell, TV
L6184	SEG4250-1	10	ALPHA - NEV	1	B606	Jason Mitchell, TV
L6184	SEG6184-1	10	M-CIR: L618	1	B606	Jason Mitchell, TV

Terrestrial
NONE

END

Richard Yarnell, TVA Cultural Resources, 632-3463
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Shellmound Road Bluff TVA Habitat Protection Area. No aerial spraying. Access/activities restricted to existing roads and ROW.
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Nickajack Cave TVA Habitat Protection Area, Small Wild Area, and Wildlife Observation Area. Access/activities confined to exis
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Chickamauga State Wildlife Management Area. No aerial spraying. Maintain riparian buffer of 100 feet. Access/activities confine
Chickamauga State Wildlife Management Area. No aerial spraying. Maintain riparian buffer of 100 feet. Access/activities confine

Chattahoochie National Forest. Access/Activities confined to existing roads and ROW
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Sequoyah Nuclear Generating Facility. No aerial spraying. Access/activities confined to existing roads and ROW.
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Harrison Bay State Park. Confine access/activities to previously disturbed and/or developed areas and ROW.
Savannah Bay/Chicamauga State Wildlife Observation Area. No spraying, and maintain riparian buffer of 100 feet. Debris from
Savannah Bay/Chicamauga State Wildlife Observation Area. No spraying, and maintain riparian buffer of 100 feet. Debris from
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Sequoyah Nuclear Generating Facility. No aerial spraying. Access/activities confined to existing roads and ROW.

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Harrison Bay State Park. Confine access/activities to previously disturbed and/or developed areas and ROW.
Nickajack Reservoir State Mussel Sanctuary. No spraying and maintain riparian buffer of 100 feet. Debris from project should nc
Nickajack Reservoir State Mussel Sanctuary. No spraying and maintain riparian buffer of 100 feet. Debris from project should nc
Savannah Bay/Chicamauga State Wildlife Observation Area. No spraying, and maintain riparian buffer of 100 feet. Debris from ţ

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Nickajack Reservoir State Mussel Sanctuary. No spraying and maintain riparian buffer of 100 feet. Debris from project should n

Heron colony reported from area. Follow Class 1 restrictions for ROW reclearing between February 1 and July 15.
Heron colony reported from area. Follow Class 1 restrictions for ROW reclearing between February 1 and July 15.
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Nickajack Reservoir State Mussel Sanctuary. No spraying and maintain riparian buffer of 100 feet. Debris from project should nc
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Heron colony reported from area. Follow Class 1 restrictions for ROW reclearing between February 1 and July 15.
Heron colony reported from area. Follow Class 1 restrictions for ROW reclearing between February 1 and July 15.
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Nantahala National Forest and State Game Lands. Herbicide use restricted in some areas. Access/activities confined to existing
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National Rivers Inventory-Little Tennessee River. No Broadcast spraying and maintain riparian buffer of 100 ft. Debris from proj

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Tellico Bluff TVA Ecological Study Area. Area contains sensitive species. No aerial Spraying. Maintain riparian buffer of 100 fee

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Chickamauga Reservoir State Mussel Sancuary. Maintain Riparian Buffer of 100 ft. No aerial spraying. Confine access to existi
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Sewanee/Monteagle Area Potential National Natural Landmark. No aerial spraying. Access/activities confined to pre-existing ro
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National Rivers Inventory-Collins River (Mill Creek). No Broadcast spraying and maintain riparian buffer of 100 ft. Debris from pr
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Nickajack Cave TVA Habitat Protection Area, Small Wild Area, and Wildlife Observation Area. Access/activities confined to exis
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Guntersville Reservoir State Mussel Sanctuary.Debris from project should not be allowed to enter the main channel.No aerial sp
Guntersville Reservoir State Mussel Sanctuary.Debris from project should not be allowed to enter the main channel.No aerial sp
Tennessee River Gorge. No aerial spraying. Access/activities confined to existing roads and ROW. Boundaries aproximate.
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National Rivers Inventory-Sequatchie River. No Broadcast spraying and maintain riparian buffer of 100 ft. Debris from project sh
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National Rivers Inventory-Sequatchie River. No Broadcast spraying and maintain riparian buffer of 100 ft. Debris from project sh

Guntersville Reservoir State Mussel Sanctuary.Debris from project should not be allowed to enter the main channel.No aerial sp
Raccoon Mountain Pumped Storage Facility. No Aerial Spraying. Maintain riaprian buffer of 100 feet. Debris from project shoulc
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Cherokee (South) State Wildlife Management Area. No aerial spraying. Access/activities confined to existing roads and ROW.
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Nickajack Reservoir State Mussel Sanctuary. No spraying and maintain riparian buffer of 100 feet. Debris from project should nc
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Heron colony reported from area. Follow Class 1 restrictions for ROW reclearing between February 1 and July 15.
Heron colony reported from area. Follow Class 1 restrictions for ROW reclearing between February 1 and July 15.
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Chattahoochie National Forest. Access/Activities confined to existing roads and ROW
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Sequoyah Nuclear Generating Facility. No aerial spraying. Access/activities confined to existing roads and ROW.
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Harrison Bay State Park. Confine access/activities to previously disturbed and/or developed areas and ROW.
Sequoyah Nuclear Generating Facility. No aerial spraying. Access/activities confined to existing roads and ROW.

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Widows Creek Coal Generating Facility.
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Guntersville Reservoir State Mussel Sanctuary.Debris from project should not be allowed to enter the main channel.No aerial sp
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Chickamauga Reservoir State Mussel Sancuary. Maintain Riparian Buffer of 100 ft. No aerial spraying. Confine access to existi
Chickamauga Shoreline TVA Habitat Protection Area. No broadcast spraying. Access/activities confined to existing roads and
Friendship Forest. No aerial spraying. Access/activities confined to existing roads and ROW.
Sequoyah Nuclear Generating Facility. No aerial spraying. Access/activities confined to existing roads and ROW.
Watts Bar Nuclear Generating Facility. No aerial spraying. Access/activities confined to existing roads and ROW.
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Scottsboro05-3 8552	0	18991230	0
Huntsville	0	18991230	0
Scottsboro05-3 8552	0	18991230	0
Scottsboro05-3 8552	0	18991230	0
Scottsboro05-3 8552	0	18991230	0
Scottsboro05-3 8552	0	18991230	0
Scottsboro05-3 8552	0	18991230	0
Huntsville	0	18991230	0
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Huntsville	0	18991230	0
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Huntsville 04-1, Gunte	0 18991230	0
Huntsville 04-1, Gunte	0 18991230	0

Corinth 7781 / Tupelo(	0 18991230	0
Tupelo05-1 8042	0 18991230	0
Tupelo05-1 8042	0 18991230	0
Cleveland05-1 7834	0 18991230	0
Cleveland05-1 7834	0 18991230	0
Corinth 7781 / Tupelo(	0 18991230	0
Tupelo05-1 8042	0 18991230	0
Cleveland05-1 7834	0 18991230	0

Cleveland05-1 7834	0 18991230	0
Tupelo05-1 8042	0 18991230	0
Cleveland05-1 7834	0 18991230	0
Tupelo05-1 8042	0 18991230	0
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North Alabama, Clevel	0 18991230	0
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Cleveland05-1 7834	0 18991230	0
Cleveland05-1 7834	0 18991230	0
Cleveland05-1 7834	0 18991230	0
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Tupelo05-1 8042	0 18991230	0
Cleveland05-1 7834	0 18991230	0
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North Alabama, Clevel	0 18991230	0
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Tupelo05-1 8042	0 18991230	0
Tupelo05-1 8042	0 18991230	0
Tupelo05-1 8042	0 18991230	0

Chattanooga 04-1	0 18991230	0

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Cleveland05-1 7834	0	18991230	0
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Cleveland05-1 7834	0	18991230	0
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Cleveland05-1 7834	0	18991230	0
Cleveland05-1 7834	0	18991230	0
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Cleveland05-1 7834	0	18991230	0
Chattanooga 04-1	0	18991230	0
Cleveland05-1 7834	0	18991230	0
JohnCity #2; Clev05-1	0	18991230	0
Cleveland05-1 7834	0	18991230	0

Cleveland Area #2	0	18991230	0

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Cleveland05-1 7834	0	18991230	0
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Cleveland05-1 7834	0	18991230	0
Cleveland Area #2	0	18991230	0
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Cleveland05-1 7834	0 18991230	0

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Cle04-3; Cle05-1	0	18991230	0
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Winchester	0	18991230	0
Cle04-3; Cle05-1	0	18991230	0
Cleveland Area #2	0	18991230	0
Cle04-3; Cle05-1	0	18991230	0
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Cleveland Area #2	0 18991230	0
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Cleveland05-1 7834	0 18991230	0
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Cleveland Area #2	0 18991230	0
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Cleveland Area #2	0 18991230	0
Jackson, New Albany	0 18991230	0
Cle04-3; Cle05-1	0 18991230	0
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Winchester	0	18991230	0
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Murfreesboro	0	18991230	0
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Winchester	0	18991230	0
Murfreesboro	0	18991230	0
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Tupelo05-1 8042	0 18991230	0
Great Falls 7637 / Frai	0 18991230	0
Great Falls 7637 / Frai	0 18991230	0
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Tupelo05-1 8042	0 18991230	0
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Tupelo05-1 8042	0 18991230	0
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Great Falls 7637 / Frai	0 18991230	0
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Great Falls 7637 / Frai	0 18991230	0
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Tupelo05-1 8042	0 18991230	0
Great Falls 7637 / Frai	0 18991230	0
Great Falls 7637 / Frai	0 18991230	0
Great Falls 7637 / Frai	0 18991230	0
Great Falls 7637 / Frai	0 18991230	0
Tupelo05-1 8042	0 18991230	0
Great Falls 7637 / Frai	0 18991230	0
Tupelo05-1 8042	0 18991230	0
Tupelo05-1 8042	0 18991230	0
Great Falls 7637 / Frai	0 18991230	0
Great Falls 7637 / Frai	0 18991230	0
Great Falls 7637 / Frai	0 18991230	0

Fontana; Fon-Sant 89	0 18991230	0
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Fontana; Fon-Sant 89	0 18991230	0
Murfreesboro 04-2	0 18991230	0
Fontana; Fon-Sant 89	0 18991230	0
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Cleveland Area #2	0 18991230	0
Fontana; Fon-Sant 89	0 18991230	0
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Tupelo05-1 8042	0 18991230	0
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Cleveland Area #2	0	18991230	0
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Fontana; Fon-Sant 89	0	18991230	0
Tupelo05-1 8042	0	18991230	0
Murfreesboro 04-2	0	18991230	0
Murfreesboro 04-2	0	18991230	0
Cleveland Area #2	0	18991230	0
Fontana; Fon-Sant 89	0	18991230	0
Fontana; Fon-Sant 89	0	18991230	0
Jackson, New Albany	0	18991230	0
Cleveland Area #2	0	18991230	0
Murfreesboro 04-2	0	18991230	0
Murfreesboro 04-2	0	18991230	0
Jackson, New Albany	0	18991230	0
Murfreesboro 04-2	0	18991230	0
Murfreesboro 04-2	0	18991230	0

Murfreesboro 04-2	0	18991230	0
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Murfreesboro 04-2	0	18991230	0
Murfreesboro 04-2	0	18991230	0
Murfreesboro 04-2	0	18991230	0

Knoxville05-1 7789	0 18991230	0
Columbus07-1	0 18991230	0
Columbia	0 18991230	0
Grt Flls7637,Knx05-38	0 18991230	0
Columbus07-1	0 18991230	0
Columbus07-1	0 18991230	0
Columbus07-1	0 18991230	0
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Columbus07-1	0	18991230	0
Columbus07-1	0	18991230	0
Columbus07-1	0	18991230	0
Murfreesboro #3	0	18991230	0
Columbus07-1	0	18991230	0

Martin	0 18991230	0
JCity04-2,Knx05-3 83(	0 18991230	0
JCity04-2,Knx05-3 83(	0 18991230	0
Knx 6424,Knx05-1 77{	0 18991230	0
Martin	0 18991230	0
JohnCity #2; Clev05-1	0 18991230	0
	0 18991230	0
Johnson City 04-2, Kn	0 18991230	0
Johnson City 04-2, Kn	0 18991230	0
Martin	0 18991230	0
Johnson City 04-2, Kn	0 18991230	0
Martin	0 18991230	0
JohnCity #2; Clev05-1	0 18991230	0
Martin	0 18991230	0
Johnson City 04-2, Kn	0 18991230	0
JohnCity #2; Clev05-1	0 18991230	0
Martin	0 18991230	0
Knx 6424,Knx05-1 77{	0 18991230	0
Martin	0 18991230	0
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JohnCity #2; Clev05-1	0 18991230	0
Martin	0 18991230	0
JCity04-2,Knx05-3 83(	0 18991230	0
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Guideline for Vegetation Maintenance
Site-Specific Environmental Review & Permitting
September 2007

System Applied Maintenance (SAM) right-of-way (ROW) vegetation management activities (e.g., ROW access, herbicide application, tree removal, mechanical re-clearing) are performed across the region to maintain reliable transmission service across the region. Environmental review is performed annually for Herbicide Application and Mechanical Reclearing activities. The review involves development of a Categorical Exclusion Checklist (CEC) based on expected impacts for the activity type and contains specific sensitive resource information for the affected transmission line ROWs. Mechanical Reclearing and Herbicide Application CECs are completed in the fall of the year for each ROW sector prior to the initiation of work. A one-time generic CEC 6170 was developed for Danger Tree Removal activities. It is reviewed by the Environmental Program Staff periodically to ensure the information is still relevant to current activities.

The CEC documents described above should address most situations. However, there may be circumstances where CEC conditions cannot be met or other issues requiring environmental review come up through the fiscal year. This criteria document provides clarification of conditions when a follow-up or site-specific environmental review for a SAM ROW vegetation maintenance activity must be performed. The Environmental / Easement Technician (E/E Tech) will perform the environmental review and permit evaluation, and if determined necessary, may develop a site-specific CEC.

Site-Specific Environmental Review

A. *All vegetation maintenance activities which meet any of the following conditions MUST be subjected to an additional site-specific environmental review by the E/E Tech. The TVA Form 17630 may be used to initiate this review.*

1. **Activities cannot meet the conditions specified in the applicable ROW Sector CEC or the Generic Danger Tree CEC 6170, or environmental protection requirements cannot be met for sensitive terrestrial or aquatic species, or natural or cultural resources.**
2. **All Activities in the Vicinity of Large Bird Nests > 2 feet in diameter**
3. **Activities in Wet Weather Conveyances, Streams and Streamside Management Zones (SMZs)** -- Examples include, but are not limited to:
    - Culvert Installations
    - Stream Crossings
    - Dredging/Placing Fill or Riprap within a Streamside Management Zone
4. **Activities in Wetlands** -- Examples include, but are not limited to:
    - Surface disturbance or use of equipment that cannot meet the approved Wetland Clearing Methods (CM-1 through CM-6) outlined in TVA's BMP manual and specified in the ROW Sector CEC
    - Placing Fill
    - Leaving brush, timber, tree limbs, debris, etc. in wetland area
5. **Ground Disturbance in ANY Quantity -- Examples include, but are not limited to:**
    - Creating New Access or Clearing / Re-grading Existing Access
    - Leveling Ground for Equipment Access
    - Other Excavation/Fill
    - Landowner Requests (e.g., repairing existing access, culvert repairs or installations, grading)
    - Use of Bulldozer
6. **Herbicide Application cannot be applied in accordance with label use restrictions (for example, geologic conditions for potential groundwater contaminations cannot be field-determined).**

B. *A site-specific environmental review is NOT required when standard crew trucks, vehicles and ATVs are driven onto* existing access and ROWs to perform general maintenance activities that do not meet any criteria from Section A above. The ROW Sector CECs or the Generic CEC 6170 for Danger Trees would satisfy NEPA requirements. SAM personnel and contractors may use pre-established stream crossings where no new SMZ or in-stream impacts will occur.

Prepared by: Environmental Program Staff
Revision 1

Class Definitions and Associated Polygon Colors of Sensitive Areas for RIGHT-OF-WAY RECLEARING Sensitive Area Reviews

Terrestrial Plants (A), Terrestrial Animals (D), and Aquatic Animals (E)			
Class	**Restriction if Sensitive area in ROW**	**Restriction for Sensitive Areas Potentially Affected when Accessing ROW**	**Polygon Color**
1	No broadcast spraying. Use one of the three following alternatives: 1) Hand or mechanical clearing, 2) Request field surveys by TVA Heritage staff to determine if suitable habitat for these species exists in the subject area, 3) Selective spraying of herbicides to shrubs or tree saplings less than 12 feet in height.	Not Applicable	Yellow
2	Hand-clearing only. Vehicles and equipment restricted from area unless confined to existing access road.	Vehicles and equipment restricted from area unless confined to existing access road.	Red
0	Special circumstance.		Green
Wetlands* (C)			
-	Wetlands obtained from National Wetland Inventory data. Refer to "Wetlands ROW and Pole Replacement Guidelines" for restrictions.		Blue Outline
1	Potential wetlands identified by Natural Heritage wetland biologists based on interpretation of topographic features, water bodies, soil surveys and proximity to NWI features. Refer to "Wetlands ROW and Pole Replacement Guidelines" for restrictions.		Pink Outline

Natural Areas (B)			
Class	**Call****	**Definition**	**Color**
1	No	Same as Class 1 definition above.	Yellow
2	No	Same as Class 2 definition above.	Red
1	Yes	Same as Class 1 definition above, and **must contact area manager** prior to entering or conducting maintenance in subject area	Yellow hatching
2	Yes	Same as Class 2 definition above, and **must contact area manager** prior to entering or conducting maintenance in subject area.	Red hatching
3	Yes	**Must contact area manager** prior to entering or conducting maintenance in subject area.	Neon Green
none		Special circumstance.	Green

Archaeology (F)			
Class	**Restriction if Sensitive area in ROW**	**Restriction for Sensitive Areas Potentially Affected when Accessing ROW**	**Color**
1	Mechanical clearing must be conducted when the ground is dry and firm. If bulldozer is used, blade must be kept above ground surface to avoid ground disturbance. Material from clearing (timber, brush, and large debris) must be removed from sensitive area.	Vehicles and equipment must be confined to existing access road.	Yellow
2	No mechanical clearing. Hand-clearing only (chainsaws may be used but not heavy equipment). Debris from clearing must be hand-carried out of sensitive area.	All vehicles must be low-pressured tire equipment and must be confined to existing access road.	Red

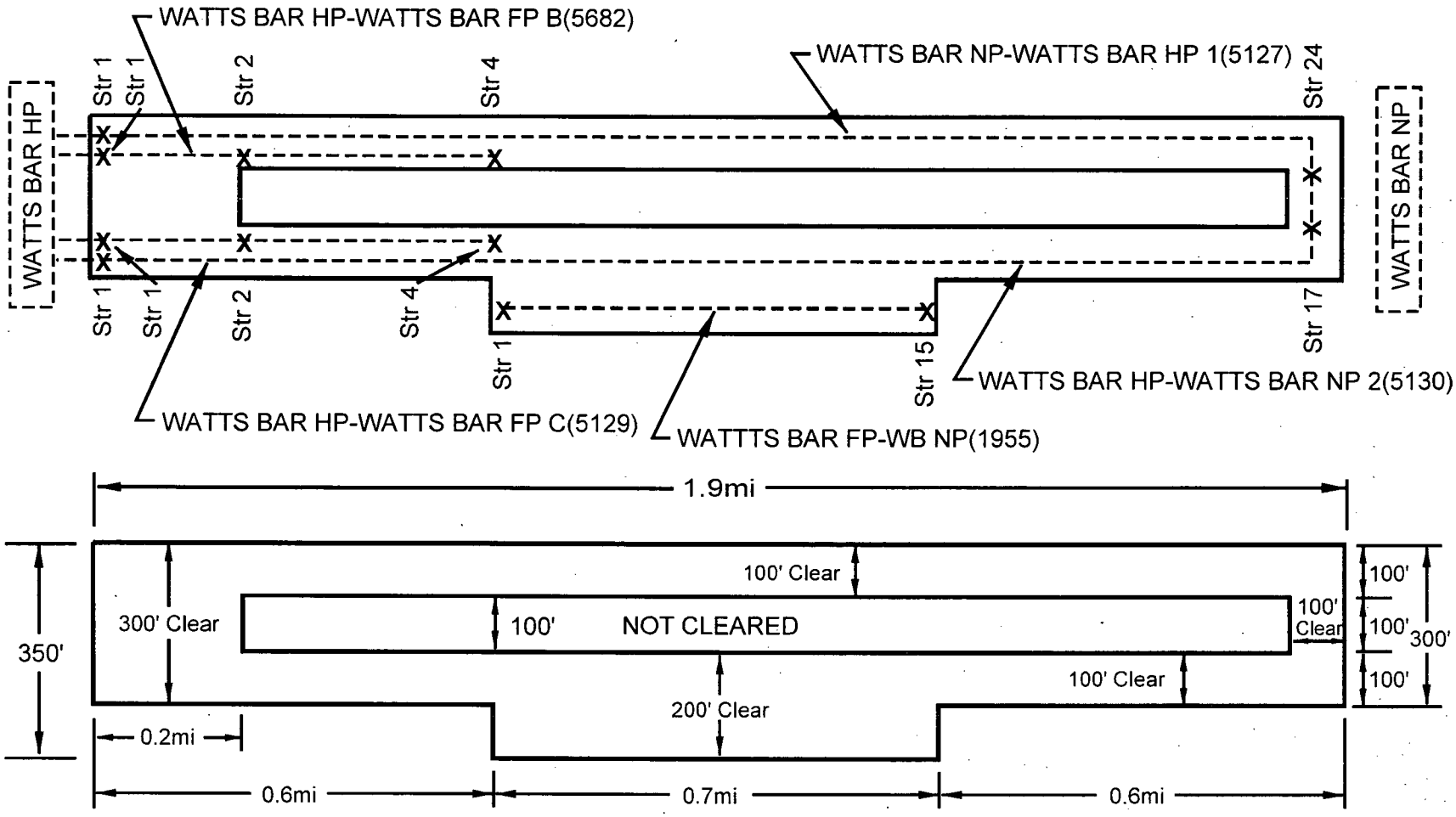
* Refer to Wetlands Statement included in this package.

** The "Call" column on the accompanying datasheets is used by Natural Area specialists only. A blank in the column indicates no call is necessary.

Class Definitions and Associated Polygon Colors of Sensitive Areas for POLE REPLACEMENT Sensitive Area Reviews

All Resources Areas (Plants, Natural Areas, Wetlands, Terrestrial Animals, and Aquatic Animals)		
Class	**Restriction**	**Color**
1	**Botany**: Sensitive Botanical resources are known from the area. Details of proposed activities should be submitted to TVA Heritage staff to determine if the proposed activities require restrictions. **Natural Areas**: Refer to table accompanying project for restrictions. **Wetlands**: Potential wetlands identified by Natural Heritage wetland biologists based on interpretation of topographic features, water bodies, soil surveys and proximity to NWI features. Refer to "Wetlands ROW and Pole Replacement Guidelines" for restrictions. **Terrestrial Animals**: Refer to table accompanying project for restrictions. **Aquatic Animals**: Refer to table accompanying project for restrictions.	Pink
Wetlands		
-	Wetlands obtained from National Wetland Inventory data. Refer to "Wetlands ROW and Pole Replacement Guidelines" for restrictions.	Blue Outline
Archaeology		**Color**
Class	**Restriction**	
1	Presence of significant below-ground cultural resources is highly likely. Work must be scheduled when ground is dry and firm. Only vehicles with low-pressured tires may be used within sensitive area. If structure is a pole, new poles must be placed in existing holes; if structure is a tower, existing footings must be used for new tower. If guy wires are used, existing guy wire anchors must be used for new structure. If any of these conditions can not be met, then details of proposed activities (nature of work, date work is to take place) must be submitted to TVA Cultural Resources staff so that a field review can be scheduled.	Yellow
2	Presence of significant cultural resources is known. Work schedule must be submitted to TVA Cultural Resources staff so that a field review can be scheduled.	Red

PLOT: 5127CL WATTS BAR HP-WATTS BAR 1



	Acres	Miles
Brush	49	
Herbicide	49	
Clear Line	55	
Easement	55	
Exposed Side		1.9

Note any Special conditions:

Drawing not to scale. Dimensions Approximate.

Rev 051406

Wetlands ROW Reclearing & Pole Replacement Guidelines
Regional Natural Heritage Project Office

The Arcmap projects submitted by the Natural Heritage Project office include National Wetland Inventory data (dark blue) as well as potential wetland areas (dark pink outline). Potential wetland areas are identified by Natural Heritage wetland biologists based on interpretation of topographic features, water bodies, soils information, and proximity to NWI features.

The NWI wetlands are shown in both the ROW and a 1/2-mile diameter buffer area around the ROW. Potential wetlands are identified in the ROW and at pole locations. However, potential wetland areas are not identified in the buffer area, parts of which may be used for ROW access. If the access route follows an existing road that does not require any repair or upgrading no further wetland reviews should be needed. Repair and upgrading includes, but is not limited to, grading, fill addition, new or upgraded stream crossings, and vegetation removal. If a new or upgraded access route is necessary, environmental reviews of those particular access areas would need to be conducted.

The National Wetland Inventory (NWI) data was compiled using high-altitude aerial photography, some of which is now over 15 years old, with very limited field verification. Because of this, some of the NWI data may be inaccurate. While the NWI data is a good starting reference for the identification of possible wetland areas, on-the-ground verification is needed for an accurate determination.

The limitations of the NWI data mentioned above must be considered in the performance of ROW maintenance and Pole Replacement to avoid accidental wetland impacts. Since there could be wetlands present for which no map evidence or other data currently exists crews working for TP&S should remain alert to such things as water on the surface of the ground, soil saturation, the type of vegetation growing in an area, and evidence of present, seasonal or temporary flooding.

Specific to ROW Reclearing

In the absence of a ground survey by a wetlands specialist to determine wetland presence and location for ROW Reclearing, Best Management Practices, as described in Muncy (1999), and TPS Environmental Quality Specifications for ROW Construction and Maintenance would be implemented. These would be implemented in **all** locations where NWI wetlands and potential wetland areas are indicated on the project maps submitted by this office.

Depending on site conditions, Level A and/or Level B tree-cutting guidelines (page 107, Muncy), or methods CM1, CM2, CM-3, CM-4, or CM-5 (page 109, Muncy) may be used for tree clearing. Method CM-6 (page 109, Muncy) states that no wetland clearing is required where the wetland is a scrub-shrub, emergent, or grazed wetland, and that there should be no heavy equipment entry, and minimal intrusion by all mechanized equipment in these types of wetlands. Other appropriate Best Management Practices recommendations include, but are not limited to the following:

- For aerial or ground application, use only herbicides that are EPA-approved for use in aquatic areas.
- If possible, mechanical clearing should be conducted when the ground is dry or minimally saturated. Ruts should be minimized to avoid altered hydrologic patterns, soil compaction, and disruptions in vegetation regeneration.

Impacts to wetlands identified in the project area are expected to be insignificant with implementation of these and other appropriate BMPs (Muncy, 1999) and with the use of existing maintenance access roads.

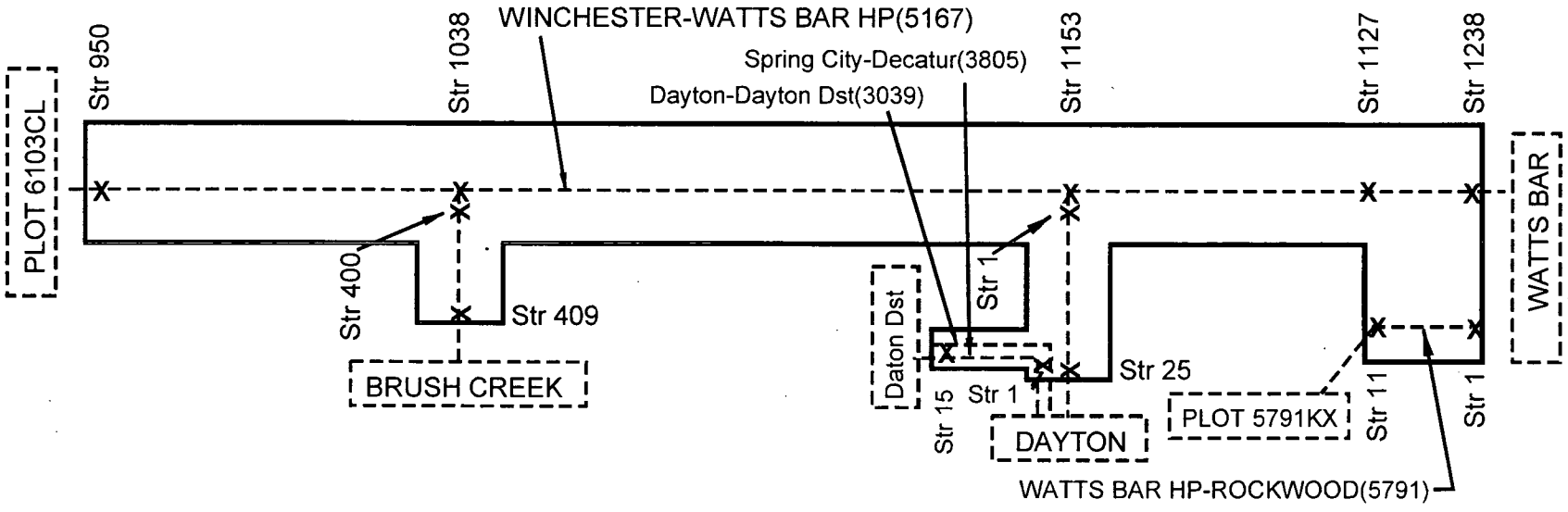
Specific to Pole Replacement

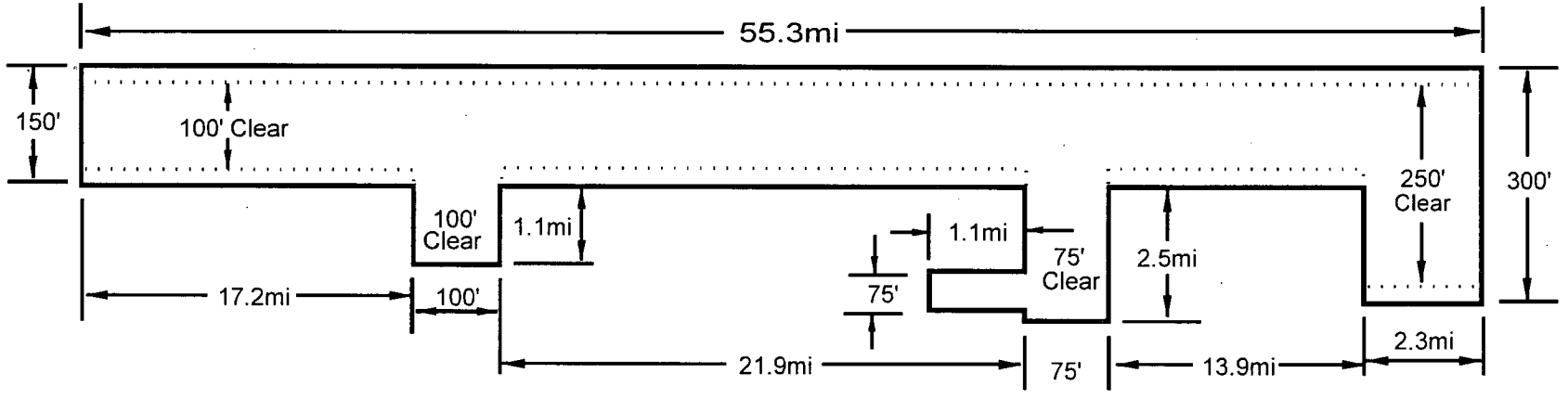
A ground survey would be necessary to determine if potential wetlands identified meet the parameters for federal jurisdictional wetlands which are regulated under the Clean Water Act and Executive Order (E.O.) 11990. The wetland delineation and documentation from the ground survey would be performed by qualified TVA staff or contractors using U.S. Army Corps of Engineers (USACE) standards (Environmental Laboratory, 1987). If wetlands meeting the parameters for federal jurisdictional wetlands are identified in the delineation, the project manager will contact the district USACE office to determine if either an application for Nationwide General Permit #12 or a Notice of Intent needs to be submitted. Concurrent application would be made to the appropriate state regulatory agency for Section 401 Water Quality Certification if necessary. In Tennessee an application for an Aquatic Resource Alteration Permit (ARAP) would be submitted to the Tennessee Department of Environment and Conservation in specific situations where this is necessary (not all pole replacement work may require an ARAP permit).

If poles are to be replaced where standing water is present or the ground is highly saturated, the methods that should be used to access the structures include those described in SP-1, SP-2, SP-3, SP-4, SP-5 and REM-1, (pp. 110-111, Muncy 1999). These methods specify the use of cut-and-cross-lay roads, low ground pressure equipment, low-ground pressure cranes, mats, helicopters, and visual inspection of soil/hydraulic conditions to determine appropriate times for ingress and egress.

Impacts to wetlands identified in the project area are expected to be insignificant with implementation of these and other appropriate BMPs (Muncy, 1999) and with the use of existing maintenance access roads.

PLOT: 5167CL WINCHESTER-WATTS BAR HP





	Acres	Miles
Brush	349	
Herbicide	230	
Clear Line	758	
Easement	1093	
Exposed Side		60

Rev 042006

Note any Special conditions:

Drawing not to scale. Dimensions Approximate.

PSO Environmental Protection Procedures
Right-Of-Way Vegetation Management Guidelines

1.0 Overview

A. TVA must manage the vegetation on its rights-of-way (ROW) and easements to ensure emergency maintenance access and routine access to structures, switches, conductors, and communications equipment. In addition, TVA must maintain adequate clearance, as specified by the National Electrical Safety Code, between conductors and tall growing vegetation and other objects. This requirement applies to vegetation within the ROW as well as to trees located off the ROW.

B. Each year TVA assesses the conditions of the vegetation on and along its ROWs. This is accomplished by aerial inspections, periodic field inspections, aerial photography, and information from TVA personnel, property owners and the general public. Important information gathered during these assessments includes the coverage by various vegetation types, the mix of plant species, the observed growth, the seasonal growing conditions and the density of the tall vegetation. TVA also evaluates the proximity, height, and growth rate of trees adjacent to the ROW that may be a danger to the line or structures.

C. TVA ROW Specialists develop a vegetation re-clearing plan that is specific to each line segment and is based on terrain conditions, species mix, growth, and density.

2.0 ROW Management Methods

A. TVA uses an integrated vegetation management approach. In farming areas, TVA encourages property owner management of the ROW using low growing crops. In dissected terrain with rolling hills and interspersed woodlands, TVA uses mechanical mowing to a large extent.

B. When slopes become hazardous to farm tractors and rotary mowers, TVA may use a variety of herbicides specific to the species present with a variety of possible application techniques. When scattered small stands of tall growing vegetation are present and access along the ROW is difficult, or the path to such stands is very long, herbicides may be used.

C. In very steep terrain, in sensitive environmental areas, in extensive wetlands, at stream banks and in sensitive property owner land use areas, hand clearing may be utilized. Hand clearing is recognized as one of the most hazardous occupations documented by the Occupational Health and Safety Administration. For that reason, TVA is actively looking at better control methods, including use of low volume herbicide applications, occasional single tree injections, and tree growth regulators (TGRs).

D. TVA does not encourage tree re-clearing by individual property owners because of the high hazard potential of hand clearing, possible interruptions of the line, and electrical safety considerations for untrained personnel that might do the work. Private property owners may re-clear the ROW with trained re-clearing professionals.

E. Mechanical mowers not only cut the tall saplings and seedlings on the ROW, they also shatter the stump and the supporting near surface root crown. The tendency of resistant species is to re-sprout from the root crown and shattered stumps can produce a multi-stem dense stand in the immediate area. Repeated use of mowers on short cycle re-clearing with many original stumps re-growing in the above manner can create a single species thicket or monoculture. With the original large root system and multiple stems, the resistant species can produce re-growth at the rate of 5-10 feet in a year. In years with high rainfall the growth can reach 12-15 feet in a single year. These dense, monoculture stands can become nearly impenetrable for even large tractors. Such stands have low diversity, little wildlife food or nesting potential, and become a property owner concern. Selective herbicide application may be used to control monoculture stands.

F. TVA encourages property owners to sign an agreement to manage ROWs on their land for wildlife under the auspices of "Project Habitat," a joint project by TVA, BASF, and wildlife organizations, e.g., National Wild Turkey Federation, Quail Unlimited, and Buckmasters. The property owner maintains the ROW in wildlife food and cover with emphasis on quail, turkey, deer or other wildlife. A variation used in or adjacent to developing suburban areas is to sign agreements with the developer and residents to plant and maintain wildflowers on the ROW.

G. TVA places strong emphasis on managing ROWs in the above manner. When the property owners do not agree to these opportunities, TVA must maintain the ROW in the most environmentally acceptable, cost-effective, and efficient manner possible.

3.0 Herbicide Program

A. TVA has worked with universities (such as Mississippi State University, University of Tennessee, Purdue University and others), chemical manufacturers, other utilities, U.S. Department of Transportation, U.S. Fish and Wildlife, and U.S. Forest Service personnel to explore options for vegetation control. The results have been strong recommendations to use species specific, low volume, herbicide applications in more situations. Research, demonstrations, and other ROW programs show a definite improvement of ROWs treated with selective low volume applications of new herbicides using a variety of application techniques and timing. Table 1 below identifies herbicides currently used on TVA ROWs. Table 2 identifies pre-emergent herbicides currently being used on bare ground areas on TVA ROWs and in substations. Table 3 identifies TGRs that may be used on tall trees that have special circumstances where they must be trimmed on a regular cycle. The

rates of application utilized are those listed on the EPA approved label and consistent with utility standard practice throughout the Southeast.

Table 1 - Herbicides Currently Used on TVA ROWs

Trade Name	Active Ingredient	Label Signal Word
Accord	Glyphosate/Liquid	Caution
Arsenal	Imazapyr/Liquid/Granule	Caution
Chopper	Imazapyr/RTU	Caution
Escort	Metsulfuron Methyl/ dry flowable	Caution
Garlon	Triclopyr/Liquid	Caution
Garlon 3A	Triclopyr/Liquid	Danger
Krenite S	Fosamine Ammoinium	Caution
Pathfinder II	Triclopyr/RTU	Caution
Roundup	Glyphosate/Liquid	Caution
Roundup Pro	Glyphosate	Caution
Spike 20P	Tebuthiuron	Caution
Transline	Clopyralid/Liquid	Caution

Table 2 - Pre-Emergent Herbicides Currently Used for Bare Ground Areas On TVA ROWs and Substations

Trade Name	Active Ingredients	Label Signal Word
Sahara	Diuron/Imazapyr	Caution
SpraKil SK-26	Tebuthiuron and Diuron	Caution
Topsite	Diuron/Imazapyr	Caution

Table 3 - Tree Growth Regulators (TGRs) Currently Used on TVA ROWs

Trade Name	Active Ingredients	Label Signal Word
Profile 2SC	TGR-paclobutrazol	Caution
TGR	Flurprimidol	Caution

B. The herbicides listed in Table 1 and 2 and TGRs listed in Table 3 have been evaluated in extensive studies in support of registration applications and label requirements. Many have been reviewed in the U.S. Forest Service Vegetation Management Environmental Impact Statements and those evaluations are incorporated here by reference. The result of these reviews has been a consistent finding of limited environmental impact beyond that of control of the target vegetation. All the listed herbicides have been found to be of low environmental toxicity when applied by trained applicators following the label and registration procedures, including prescribed measures, such as buffer zones, to protect threatened and endangered species.

C. Low volume herbicide applications are recommended since research demonstrates much wider plant diversity after such applications. There is better ground erosion protection and more wildlife food plants and cover plants develop. In most situations there is increased development of wild flowering plants and shrubs. In conjunction with herbicides, the diversity and density of low growing plants provide control of tall growing species through competition.

D. Wildlife managers often request the use of herbicides in place of rotary mowing in order to avoid damage to nesting and tunneling wildlife. This method retains ground cover year around with a better mix of food species and associated high protein insect populations for birds in the right seasons. Most also report less damage to soils (even when compared with rubber tired equipment).

E. Property owners interested in tree production often request the use of low volume applications rather than hand or mechanical clearing because of the insect and fungus problems in damaged vegetation and debris left on ROW. The insect and fungus invasions, such as pine tip moth, oak leaf blight, sycamore and dogwood blight, etc., are becoming widespread across the nation.

F. Best Management Practices (BMPs) governing application of herbicides are contained within "*A Guide for Environmental Protection and Best Management Practices for Tennessee Valley Authority Transmission Construction and Maintenance Activities*", which is incorporated by reference. Herbicides can be liquid, granular, or powder and can be applied aerially or by ground equipment and may be selectively applied or broadcast, depending on the site requirements, species present, and condition of the vegetation. Water quality considerations include measures taken to keep herbicides from reaching streams whether by direct application or through runoff of or flooding by surface water. "Applicators" must be trained, licensed, and follow manufacturers' label instructions, Environmental Protection Agency (EPA) guidelines, and respective state regulations and laws.

G. When herbicides are used, their potential adverse impacts are considered in selecting the compound, formulation, and application method. Herbicides that are designated "Restricted Use" by EPA require application by or under the supervision of applicators certified by the respective state control board. Aerial and ground applications are done either by TVA or by contractors in accordance with the following guidelines identified in the TVA BMP manual:

    1. The sites to be treated are selected and application directed by the appropriate TVA official.
    2. A preflight walking or flying inspection is made within 72 hours prior to applying herbicides aerially. This inspection ensures that no land use changes have occurred,

that sensitive areas are clearly identified to the pilot, and that buffer zones are maintained.

3. Aerial application of liquid herbicides will normally not be made when surface wind speeds exceed five miles per hour, in areas of fog, or during periods of temperature inversion.
4. Pellet application will normally not be made when the surface wind speeds exceed ten miles per hour, or on frozen or water saturated soils.
5. Liquid application is not performed when the temperature reaches 95 degrees (F) or above.
6. Application during unstable, unpredictable, or changing weather patterns is avoided.
7. Equipment and techniques are used that are designed to ensure maximum control of the spray swath with minimum drift.
8. Herbicides are not applied to surface water or wetlands unless specifically labeled for aquatic use. Filter and buffer strips will conform at least to federal and state regulations and any label requirements. The use of aerial or broadcast application of herbicides is not allowed within a streamside management zone (SMZs) (200 feet minimum width) adjacent to perennial streams, ponds, and other water sources. Hand application of certain herbicides labeled for use within SMZs is used only selectively.
9. Buffers and filter strips (200 feet minimum width) are maintained next to agricultural crops, gardens, farm animals, orchards, apiaries, horticultural crops, and other valuable vegetation.
10. Herbicides are not applied in the following areas or times: (a) in city, state, and national parks or forests or other special areas without written permission and/or required permits (b) off the right-of-way and (c) during rainy periods or during the 48- hour interval prior to rainfall predicted with a 20 percent or greater probability by local forecasters, when soil active herbicides are used.

H. TVA currently utilizes Activate Plus, manufactured by Terra, as an adjuvant to herbicides to improve the performance of the spray mixture. Application rates are consistent with the EPA-approved label. U. S. Fish and Wildlife has expressed some concern on toxicity effects of surfactants on aquatic species. TVA is working in coordination with Mississippi State University and chemical companies to evaluate efficacy of additional low-toxicity surfactants, including LI700 as manufactured by Loveland Industries, through side-by-side test plots in the streamside management zones of area transmission lines.

I. TVA currently uses primarily low volume applications of foliar and basal applications of Accord (Glyphosate) and Accord (Glyphosate)-Arsenal (Imazapyr) tank mixes. Glyposate is one of the most widely used herbicidal active ingredients in the world, and has continuously been the subject of numerous exhaustive studies and scrutiny to determine it's potential impacts on humans, animals and the environment.