

# **Final Version**

# **YEAR 2004**

# **303(d) LIST**

April, 2005  
(Previous version: September, 2004)



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AND CONSERVATION**

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# GUIDANCE FOR UNDERSTANDING AND INTERPRETING THE FINAL 2004 303(d) LIST

April, 2005

## ***What Is the 303(d) List and Why Is It Important?***

The 303(d) List is a compilation of the streams and lakes in Tennessee that are “water quality limited” or are expected to exceed water quality standards in the next two years and need additional pollution controls. Water quality limited streams are those that have one or more properties that violate water quality standards. They are considered impaired by pollution and not fully meeting designated uses.

Additionally, the 303(d) List prioritizes impacted streams for specialized studies called Total Maximum Daily Load (TMDL).

The 2004 303(d) List will update and replace the previous one published in 2002.

Once a stream has been placed on the 303(d) List, it is considered a priority for water quality improvement efforts. These efforts include traditional regulatory approaches such as permit issuance, but also include efforts to control pollution sources that have historically been exempted from regulations, such as certain agricultural and forestry activities.

If a stream is on the 303(d) List, the Division cannot authorize additional loadings of the same pollutant(s). In extreme cases, it may mean that dischargers will not be allowed to expand or locate on 303(d) listed streams until the sources of pollution have been controlled.

## **WHAT’S NEW FOR 2004**

### **Reassessment of Group 1 and 2 Watersheds.**

In developing the draft 2004 assessment, the Division used all readily available information. However, consistent with the Division’s longterm use of a watershed approach, the major difference between the 2002 and 2004 versions of the List is the detailed reassessment of the Group 1 and 2 watersheds. It is in these areas of the state that the reviewer will note the most significant assessment changes.

The reassessment of the Group 1 and 2 streams and lakes has led to the incorporation of more precise water quality information. One by-product of this precision is the creation of smaller cataloging segments. In impaired watersheds, this precision at times leads to the creation of more, but smaller, segments. This appearance of more listed segments on the 2004 List should in no way lead the reader to conclude that more miles of stream are now impacted than in 2002.

### **Incorporation of Elements of EPA’s Integrated Reporting Guidance.**

During previous 303(d) cycles, the Division placed waterbodies into the traditional assessment categories of fully supporting designated uses, fully supporting but threatened, partially supporting, and not supporting. These categories were also used for the 305(b) Report.

As suggested by EPA, for purposes of 303(d) reporting, some different categories have been created. These categories are explained on the following page.

## NEW 303(d) ASSESSMENT CATEGORIES FOR 2004

The new assessment categories suggested by EPA have been incorporated into the development of the 2004 303(d) List. Each stream or lake in Tennessee has been placed into one of the following categories.

<b>Category 1</b>	Waterbody or waterbody segment meets all designated uses.
<b>Category 2</b>	Waterbody or waterbody segment meets some designated uses, but data are not available in order to determine whether all uses are being met.
<b>Category 3</b>	Insufficient data exists to determine whether any uses are being met.
<b>Category 4A</b>	One or more uses are not being met. However, TMDLs have been completed and approved for all listed pollutants.
<b>Category 4B</b>	One or more uses are not being met. However, a TMDL is not needed because compliance with water quality standards will be achieved in the short-term by a more traditional approach, such as permitting or enforcement.
<b>Category 4C</b>	One or more uses are not being met. However, the impairment is not being caused by a pollutant.
<b>Category 5</b>	One or more uses are not being met. A TMDL is needed for the listed pollutants.

### Notes concerning the above categories:

1. Tennessee placed only one segment into Category 4C (See Appendix B). The Water Quality Control Act definition of a pollutant is broad enough that it captures all the causes of impairment that we can currently document. We are aware that some states will use this category for streams impacted by habitat alteration. However, Tennessee has successfully completed multiple habitat alteration TMDLs.

2. Additionally, we did not place any streams into Category 4B. If, during the public review period, listed streams are identified where traditional approaches such as permitting or enforcement will lead to water quality standards being met in the short-term, we will consider changing the category for those streams. However, it should be noted that this approach does not lead to the "delisting" of the segment, only to a change in category.

3. Category 4A was only used for those streams where all TMDLs have been completed. If additional TMDLs are needed in a segment, it was identified as Category 5.

### ***Which Tennessee Streams Are Not On the 303(d) List?***

Streams considered unpolluted (Categories 1 or 2), plus streams that the Division cannot assess due to a lack of water quality information (Category 3), are not found on the List. Thus, any stream not on the 303(d) List can be assumed to be unassessed or unpolluted. Appendix A contains a compilation of previously listed streams that we are proposing to “delist” on the basis that water quality has improved.

### ***Why Didn't the Division Place Many Waterbodies Into Category 4C?***

Appendix B contains a stream proposed for delisting on the basis that the impact to the stream was not caused by a pollutant. The segment has been placed in Category 4c and does not need a TMDL.

At one time during the 90s, EPA advised states to not list streams if a TMDL would be of little practical benefit, such as when pollution has been caused by **historical** rather than by current activities. A good example would be lakes with a fishing advisory due to sediment contaminated with legacy chemicals from past discharges.

In 1998, EPA reversed this position and advised that these streams must be included on the 303(d) List and prioritized for future TMDL generation.

Our hope for EPA's integrated guidance was that Category 4C could be used for those streams where the Division and EPA agreed that a TMDL would be of little value in restoration. Instead, EPA set aside this category for streams where the impairment is not caused by a pollutant. This approach did not address the Division's concerns completely, since legacy conditions are still caused by a pollutant.

For the 2004 303(d) List, the Division has listed all impacted streams as uniformly needing a TMDL without regard for the probability of future success of such an activity.

### ***How Were the Waters of Tennessee Assessed for this Document?***

The assessment of Tennessee's waters was based on a water quality evaluation that took place during 2003 and early 2004. Water quality data collected at hundreds of streams in Tennessee were compared to existing water quality criteria (Chapter 1200-4-3-.03). Data were compared to numeric water quality criteria, or in the case of substances with narrative criteria (criteria based on verbal “free from” statements), data were compared to ecoregion reference stream data from the appropriate sub-ecoregion. (Note: streams dissimilar to the waterbodies in the reference stream database were not evaluated in this manner.)

### ***On What Basis Can Waterbodies Be Removed From the 303(d) If They Were Listed In a Previous Version?***

The 303(d) List is designed to be a flexible document that can be updated as new information becomes available. EPA must approve revisions to the document and has identified several acceptable reasons for removing or delisting a stream from the 303(d) List:

**The stream was listed in error originally.** An example of this might be if a water quality standard was improperly applied, such as the wrong hardness was used to calculate metals criteria.

**The stream's status changes.** A waterbody or a portion of a waterbody might be ruled a wet weather conveyance rather than a stream. (Different criteria apply to wet weather conveyances.)

**Water quality standards change.** The 303(d) is a compilation of streams that violate state water quality standards. If standards change through the triennial review process, the list can be adjusted.

**The stream has improved.** If the quality of the stream improves and no longer violates criteria for the parameter(s) of concern, the stream can be removed from the List. Documentation of the improvement is necessary.

Appendix A contains a list of the streams proposed for delisting due to water quality improvement. A rationale for each delisting is provided.

***Did the Division Use All "Readily Available Data" In the Water Quality Assessment Process?***

The Division utilized its own water quality data, plus that collected by other agencies and entities in Tennessee. EPA's STORET database was utilized as a primary source of water quality data.

Additionally, the Tennessee Valley Authority, the U.S. Army Corps of Engineers, the U.S Geological Survey, and the Office of Surface Mining were contacted directly as none of these agencies currently use STORET.

In December of 2003, the Division issued a public notice informing Tennesseans that a statewide water quality assessment would be performed in 2004. The notice requested the submittal of water quality data. Most of the data submitted were from other agencies.

**Are There Any Data Sources That the Division Chose To Not Use in the Assessment Process?**

No. We used all the data that were submitted. However, it should be noted that not all data submitted were used to independently list streams as impacted. Where questions about sampling techniques or analysis methodologies could not be easily resolved, submitted data were used to screen streams for future studies.

During the review process for the draft 303(d), additional water quality data brought to our attention were factored into our final decision concerning the status of a stream. When asked, we happily discussed assessment decisions with individuals or groups.

Additionally, data may be submitted directly to EPA during their formal review of Tennessee's 303(d) List.



## Data Submitted for Consideration in the 2004 303(d) Assessment Process

Agency	Physical Data	Biological Data	Chemical Data	Bacteriological Data
US Army Corp of Engineers		X	X	
US Office of Surface Mining	X		X	
Tennessee Valley Authority	X	X	X	X
US Geological Survey	X	X	X	X
Tennessee Wildlife Resources Agency	X	X		

### What Is the Watershed Cycle?

In 1996, the Division of Water Pollution Control restructured monitoring and permitting activities on a rotating watershed basis. Each watershed will be examined on a five-year cycle as illustrated by the map on the next page.

A typical cycle will generally include:

**Year 1** Hold planning meetings with “stakeholders”. Stakeholders include citizens, environmental groups, other governmental agencies, municipalities, industries, and other interested parties. Develop a monitoring plan.

**Year 2** Collect water quality data.

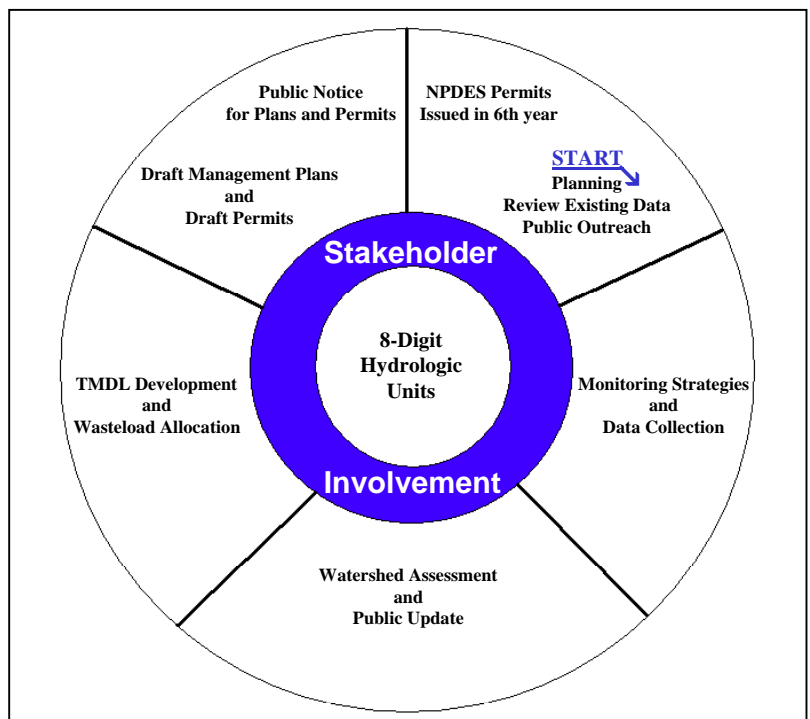
**Year 3** Collect water quality data.

**Year 4** Water quality assessment activities. Perform modeling and TMDL generation

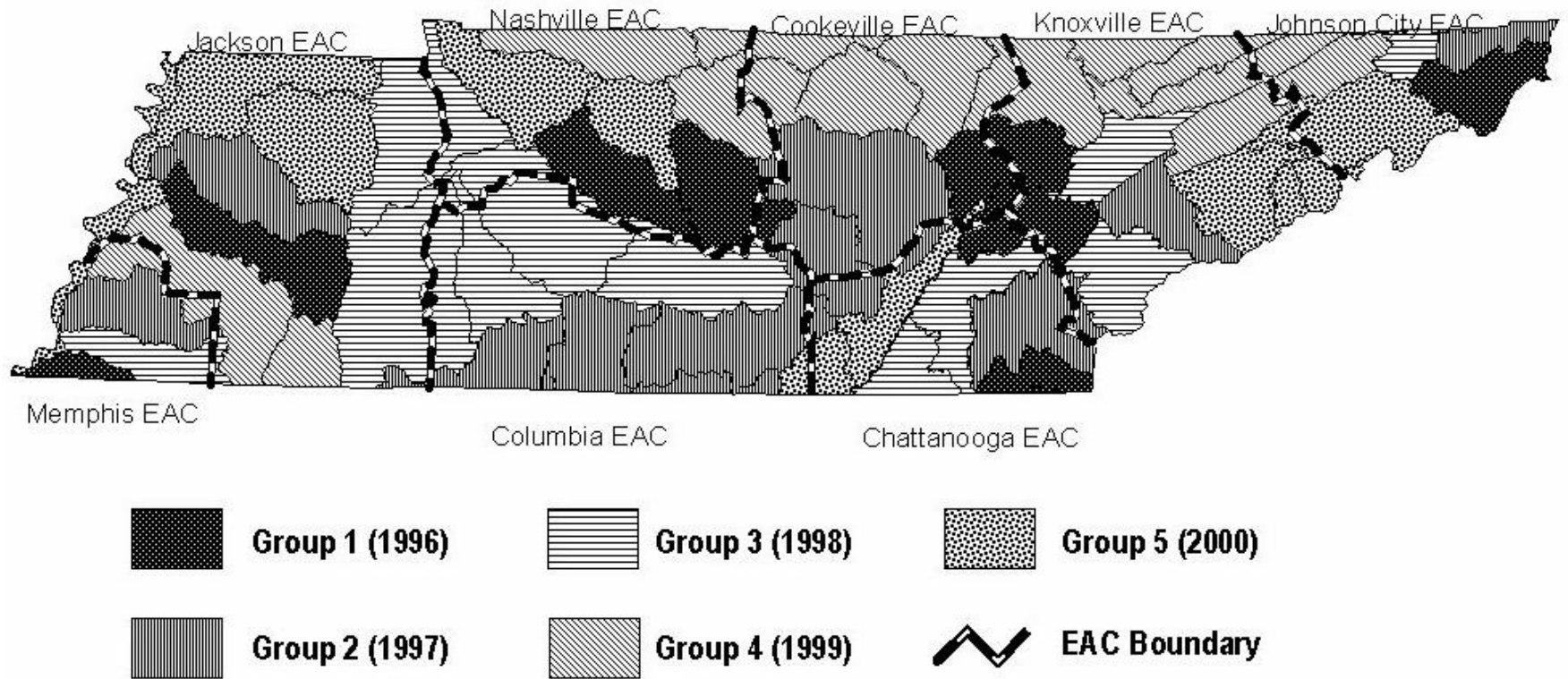
**Year 5** Publish a watershed plan, which includes the proposed actions to be taken to insure that water quality standards will be met. Issue draft NPDES permits and hold public hearings.

**Year 6** Issue final permits after comments have been addressed. Begin cycle again in sixth year.

Stream inventoried on the 303(d) List as violating one or more water quality criteria must be scheduled, on some priority basis, to have a TMDL developed to assist in the identification of control strategies.



# Tennessee Watershed Management Approach



### ***What Is a TMDL?***

A Total Maximum Daily Load (TMDL) is a study that (1) quantifies the amount of a pollutant in a stream, (2) identifies the sources of the pollutant, (3) and recommends regulatory or other actions that may need to be taken in order for the stream to no longer be polluted. Following are actions that might be recommended:

- Re-allocate limits on the sources of pollutants documented as impacting streams. It might be necessary to lower the amount of pollutants being discharged under NPDES permits or to require the installation of other control measures, if necessary, to insure that standards will be met.
- For sources the Division does not have regulatory authority over, such as ordinary agricultural and forestry activities, provide information and technical assistance to other state and federal agencies that work directly with these groups to install appropriate BMPs.

Even for impacted streams on the 303(d) List, TMDL development is **not** considered appropriate for all bodies of water. Additionally, in cases involving pollution sources in other states, the recommendation may be that another state or EPA develop the TMDL.

### ***How Are the TMDLs Prioritized?***

Tennessee's TMDL prioritization schedule has been based on a 1998 agreement between EPA and the Department. Under this schedule, the Department committed to the development of all TMDLs for 303(d) listed streams by the year 2011. For its part, EPA committed to provide better guidance and new tools for TMDL generation.

A few years later, the same schedule was formalized by being included as part of a Consent Decree between EPA and environmental groups. Thus, for the next two years, the Division has decided to base its TMDL priority for each body of water on the 303(d) List based on the agreement reached with EPA.

### ***How Did Citizens Participate in this Process?***

The Division accepted written comments about the 303(d) List until August 3, 2004. Additionally, citizens provided verbal comments at a series of public meetings in June and July. The list of these meetings appears on the next page.

Attendance at the 2004 303(d) meetings was generally less than in 2002. Most of the meetings were attended by the local media. A number of attendees elected to make verbal comments about the draft. Additionally, numerous agencies and individuals submitted written comments.

A formal response was prepared for each, unless the original comment was clearly outside the scope of the 303(d) process. (However, at the public meetings, we attempted to answer all questions even if not directly related to the listing process.)

Our responses to the comments received during the review process are included in this document. The responses indicate whether or not a revision was made based on the specific comment received. If a comment did not result in a revision, we explained our rationale for not doing so.

If the 303(d) related comments of citizens have not been resolved to their satisfaction by the Department, concerns can be directed to EPA staff in Atlanta.

## 2004 303(d) List Public Meeting Schedule

<b>WATERSHED</b>	<b>DATE</b>	<b>LOCATION</b>	<b>LOCAL TIME</b>
<b>Jackson</b>	June 28, 2004	Main Auditorium TDOT Region IV Office 300 Benchmark Place, Jackson	2:00 pm
<b>Dyersburg</b>	June 28, 2004	Dyersburg Activities Center 1101 Shelby Dr. (off SR 211), Dyersburg	7:00 pm
<b>Memphis</b>	June 29, 2004	Memphis EAC Suite E-645 Perimeter Park 2510 Mount Moriah Road, Memphis	2:00 pm
<b>Bartlett</b>	June 29, 2004	Bartlett City Hall 6400 Stage Road, Bartlett	7:00 pm
<b>Franklin</b>	July 1, 2004	Auditorium, Williamson County Administrative Complex 1320 West Main Street, Franklin	7:00 pm
<b>Nashville</b>	July 6, 2004	Ruth Neff Conference Room 17 <sup>st</sup> Floor, L & C Tower 401 Church Street, Nashville	2:00 pm
<b>Murfreesboro</b>	July 6, 2004	Auditorium, Fleming Training Center 2022 Blanton Avenue, Murfreesboro	7:00 pm
<b>Cookeville</b>	July 8, 2004	Water Quality Building Cookeville Sewage Treatment Plant 1860 South Jefferson, Cookeville	7:00 pm
<b>Elizabethton</b>	July 12, 2004	Sycamore Shoals State Park Visitors Center Auditorium 1651 West Elk Avenue, Elizabethton	7:00 pm
<b>Kingsport</b>	July 13, 2004	Warriors Path State Park Visitors Center Auditorium Hemlock Road, Kingsport	2:00 pm
<b>Cleveland</b>	July 15, 2004	Auditorium, Coleman Community Service Building Cleveland State Community College 3535 Adkisson Drive, NW, Cleveland	7:00 pm
<b>Chattanooga</b>	July 16, 2004	Room 607 State Office Building 540 McCallie Ave, Chattanooga	1:30 pm
<b>Wartburg</b>	July 19, 2004	Main Courtroom 415 North Kingston Morgan County Courthouse, Wartburg	7:00 pm
<b>Knoxville</b>	July 20, 2004	Knoxville Environmental Assistance Center Conference Room 2700 Middlebrook Pike, Knoxville	2:00 pm

## Summary of Public Comments and Division Responses

(Note: in some instances, public comments have been summarized in order to group similar observations by multiple reviewers.)

### I. GENERAL COMMENTS: Review Process

**I-1.** *The draft 303(d) was compiled in a manner inconsistent with federal regulations.*

**Response:** We believe that our draft 303(d) is compiled properly and is consistent with federal regulations. Additionally, the list will be reviewed by EPA to insure compliance with federal law and regulations.

**I-2.** *The draft 303(d) public review process was inappropriately short. The comment period should be extended.*

**Response:** The draft 303(d) List was made available for review on June 10. We held 14 public meetings in 14 different cities between June 28 and July 20. The almost two month comment period officially ended on August 3, 2002. It should be noted that public comments concerning Tennessee's proposed final 303(d) List could also be directed to EPA. We believe that the public review timeframe was reasonable.

**I-3.** *Notice to the public about the availability of the draft 303(d) was inadequate.*

**Response:** The draft 303(d) List was posted on the department's website on June 10, the same day that the public notices were mailed. It was posted on the department's "What's New" site the next morning.

Additionally, the department issued numerous press releases about the 303(d) List and the public meetings. Several newspaper articles were written in response to the press releases and the meetings were well-attended by the media. In the pages following the department's responses to comments is a timeline of activities undertaken by us to get the word out about the 303(d) review process. We feel that we have met both the letter and spirit of the public notice requirements.

**I-4.** *When a draft 303(d) becomes available, the division should have paper copies for the public.*

**Response:** We had paper copies available shortly after the document was posted on the Web. Additionally, we handed out paper copies at all of the public meetings. We thought it preferable to go ahead and post the document on the web where most people could see it, rather than to delay the beginning of the review period until we had paper copies.

**I-5.** *Citizens cannot conveniently attend afternoon public meetings.*

**Response:** Our approach to scheduling public meetings was to combine afternoon and evening meetings within a general area. In each section of the state, citizens could choose whether to attend an afternoon meeting or an evening one, depending on their own scheduling needs.

**I-6.** *The commenter requests an individual response to their concerns about the 303(d) List.*

**Response:** It would be impractical to provide an individual response to each commenter. Additionally, it would be unfair to the other reviewers of the list if they could not read and consider the department's responses to the questions raised by the other commenters.

**I-7.** *The division disregards data and comments submitted by citizens.*

**Response:** We reviewed all the data that were provided as part of the assessment process. However, not all information was considered sufficient to be used to assess streams, especially if sample collection and/or analysis questions could not be resolved.

We have carefully considered the comments we received during the review process and have provided a response for each. In cases where we do not agree with a comment, we have explained our basis. However, it should be noted that a significant number of comments that we received at the public meetings were off the topic of the 303(d) List. While we are interested in all comments, our response document is limited to those dealing with the 303(d) List.

## II. GENERAL COMMENTS: Use of Criteria and Designated Uses

**II-1** *As there is no organic enrichment criterion in Tennessee, it should not be used as a cause of impairment.*

**Response:** Tennessee uses a standardized set of causes of impairment suggested by EPA. "Organic enrichment" is one of these EPA suggested causes.

The commenter is correct that there is no water quality criterion specific to organic enrichment. Organic enrichment is a condition in which elevated levels of nutrients or other organic substances are introduced into a stream or lake. This introduction has an effect that can include stimulation of biomass or removal of water column oxygen levels. When these conditions cause undesirable ecological changes such as increased plant growth or a loss of biological integrity, the public's beneficial uses of the stream or lake can be lost or impaired.

The conditions caused by organic enrichment are specifically covered by criteria. Examples of these conditions include elevated nutrients, loss of biological integrity, and alteration of in-stream habitat. Violation of these criteria creates the condition of pollution and such a stream should be 303(d) listed.

**II-2** *The commenter understands that Tennessee has established regional nutrient goals. Are these goals available for review?*

**Response:** During the summer of 2003, the Water Quality Control Board promulgated an emergency rule that established a narrative nutrient criterion for Tennessee's waterbodies. For wadeable streams, the regulation specifically cited the regional nutrient goals identified in a 2001 division document entitled *Development of Regionally-based Interpretations of Tennessee's Narrative Nutrient Criterion* as a proper basis for applying the narrative criterion. EPA formally approved the emergency nutrient criterion as being consistent with their guidance.

The text of the emergency rule was then incorporated into the General Water Quality Criteria [(1200-4-3-.03(i))] during the triennial review that was completed in January 2004.

The 2001 nutrient study report is posted on the department's web page. It can be accessed at [www.state.tn.us/environment/wpc/publications/](http://www.state.tn.us/environment/wpc/publications/)

### **III. GENERAL COMMENTS: Assessment Methodologies**

**III-1.** *Unless the division forwards all data used in individual assessments, the reviewer cannot adequately review these listings. Such data should be provided.*

**Response:** We are willing to discuss individual assessments. Some of the information utilized in the assessment process is readily accessible in public databases such as STORET. All of it is part of the formal record for this process.

However, we cannot package and individually provide to each reviewer all data used in the assessment process, for the streams of particular interest to that reviewer. Our files can be reviewed during normal working hours for those wishing to undertake an in-depth investigation.

**III-2.** *It is difficult to locate the impaired segments based on the information provided in the 303(d) List.*

**Response:** The department has posted links from its website to a mapping service for its water quality assessment information. This database is on the University of Memphis server. By clicking on a stream segment on the map, citizens will be able to tell which segments are impacted in an area and can access general assessment information.

**III-3.** *The federal Clean Water Act requires that all “threatened” streams be listed on the 303(d) List, something that Tennessee has not done.*

**Response:** EPA specifically defines “threatened” as waterbodies where a documented trend can be used to project that water quality standards will be violated before the next assessment cycle. As a practical matter, we seldom have data that so clearly documents predictable patterns in water quality.

**III-4.** *The State must list all impaired or threatened waters.*

**Response:** We agree, provided that data are available to justify such an assessment.

**III-5.** *High quality streams should be listed on the 303(d) List, as they need a TMDL to prevent degradation.*



**Response:** These waters are subject to 303(d) if they meet the listing protocol. We consider the existing antidegradation requirements found in the water quality standards to provide a much more practical shield against degradation in high quality waters.

**III-6.** *The State must use all existing data and provide for public input to the 303(d) listing process.*

**Response:** We agree and actively solicited data from other sources. We note that the regulation further defines existing data as being “readily available.” Additionally, data must be scientifically defensible.

**III-7.** *The division should use non-monitored data such as dilution calculations and predictive modeling to list waters as impaired.*

**Response:** We agree that dilution calculations and predictive modeling have an important place in assessment efforts and we have a long history of practical use of these tools to help Tennessee meet its clean water goals. However, 303(d) listings must be defensible and the best basis is provided by the collection of data from individual streams.

#### **IV. GENERAL COMMENTS: Permitting**

**IV-1.** *The division allows the use of general permits in 303(d) listed streams. This is inconsistent with provisions of federal regulations that require that additional loadings not be added to impaired streams.*

**Response:** Only general permit coverages that do not authorize additional loadings to impaired waters may be allowed.

**IV-2.** *The division issues permits in 303(d) listed streams, even if the required TMDLs have not been completed.*

**Response:** Tennessee is diligently working through all the TMDLs needed for impaired waters. In lower priority streams, it may be some time before the TMDL is completed. In the meantime, the responsibility of the division is to not authorize additional loadings of pollutants of concern to streams identified as impaired. The division adheres to an EPA-approved strategy for permitting into impaired waters.

**IV-3.** *The division uses the 303(d) List to set permit limits. Since listings cannot be appealed, the regulated community should be given adequate time for review.*

**Response:** We agree that the regulated community should review the draft 303(d) List. As established in previous responses, it is our position that the nearly two-month period provided for review of the draft is adequate for that purpose.

It is the impaired status of the stream, rather than the 303(d) listing, that provides the basis for permit conditions.

**IV-4.** *The 303(d) List should be promulgated as a regulation by the Tennessee Water Quality Control Board.*

**Response:** The issue raised by the commenter is a matter of current litigation. The state's strongly held position is that the 303(d) List is a public information report and not appropriate for promulgation as a regulation.

**IV-5** *When comparisons are made between the 2002 303(d) List and the 2004 version, it becomes clear that TDEC's regulations are inadequate to control agricultural sources of pollution.*

**Response:** Some agricultural activities can be regulated under the TDEC's authority under the Tennessee Water Quality Control Act. Regulated activities include stream alterations, wetlands conversion, and concentrated animal feeding operations (CAFO), and point source discharges. When agricultural and forestry activities that are not regulated directly by TDEC cause an impairment to streams, we work with partner agencies to provide resources and technical assistance to land owners so they can improve management practices.

## **V. SPECIFIC COMMENTS**

**V-1.** *The mileage for the impaired section of Elk Fork Creek (TN05130101091-100) is too small. More than 3.9 miles of this stream is impacted, especially in the headwaters. Additionally, a tributary, Little Elk Fork (TN05130101091-1000), should also be assessed.*

**Response:** We believe that the Elk Fork Creek and its tributaries are correctly assessed. TDEC has multiple sampling stations in this watershed.

Terry Creek – TDEC staff performed a biological survey (biorecon) at mile 0.4 (u/s Highway 297) in 2000. Habitat and biological index scores were high. The stream is considered fully supporting.

Lick Fork – TDEC staff performed intensive biological surveys (RBPIII) at two locations in 2003. At mile 0.9 (u/s Tulip Lane), habitat and biological index scores were in the acceptable range. At mile 3.8 (Elk Valley Road), habitat and biological index scores were also in the acceptable range. Additionally, TDEC staff performed a biological survey (biorecon) at mile 0.3 (u/s Highway 297) in 2000. Habitat and biological index scores were good. The stream is considered fully supporting.

Little Elk Creek – TDEC staff performed an intensive biological survey (RBPIII) in 2003 at mile 6.2 (Elk Valley). Habitat and biological index scores were in the acceptable range. Additionally, TDEC staff performed a biological survey (biorecon) at mile 0.1 (Highway 297) in 2000. Habitat and biological index scores were good. The stream is considered fully supporting.

Upper Elk Fork – TDEC staff performed a biological survey (biorecon) at mile 7.0 (Highway 297) in 2000. Habitat and biological index scores were good. The upper section of Elk Fork Creek is considered fully supporting.

Lower Elk Fork – TDEC staff performed a biological survey (biorecon) at mile 2.0 (near Indian Mountain State Park) in 2000. Habitat and biological index scores were below acceptable levels. The lower section of Elk Fork Creek (3.9 miles) is considered impacted.

**V-2.** *The source of pollutants in Straight Fork Creek (TN05130104044-0500) is given as “resource extraction.” This should be “abandoned mining” instead, as there are no active mining sites in this watershed. What is the source of the habitat alteration in this stream?*

**Response:** We reviewed this assessment and agree with the commenter. We will change the source to “abandoned mining” for this segment. As additional clarification, the habitat alteration referenced on this segment was the channelization of a section of the stream for the Highway 63 construction project.

**V-3.** *Pigeon Roost Creek should not be listed for pathogens as recent data indicate that the water quality standard is being met.*

**Response:** In the most recent sampling performed by the division, field staff collected monthly water quality samples from two locations on Pigeon Roost Creek during 2003. The results of this monitoring indicate that the pathogen water quality criterion is not being met.

**V-4.** *Pigeon Roost Creek should not be listed for nutrients. The levels of nutrients in the creek are similar to those found in a nearby reference stream.*

**Response:** Pigeon Roost Creek is on the 303(d) List because it violates the biological integrity standard. Additionally, the composition of the biological community indicates excess nutrients and grab sample results confirm that nutrient levels exceed the division's regional numeric interpretation of the narrative nutrient criteria. That is appropriate grounds for listing the stream as impacted by nutrients.

**V-5.** *Pigeon Roost Creek algae levels are lower than those cited by EPA as likely to cause impairment to the benthic community.*

**Response:** We respectfully disagree with the commenter's position that the documented biological impairment in Pigeon Roost Creek is unrelated to nutrient levels. The biological community in the downstream section of Pigeon Roost Creek is dominated by species tolerant of elevated organic loadings. This finding has been established by TDEC stream studies and confirmed by surveys undertaken by others.

**V-6.** *TDEC developed a TMDL for siltation in the Stones River watershed. What load reduction will have to be achieved before the West Fork of the Stones River can be delisted.*

**Response:** The TMDL developed for siltation in the West Fork Stones River proposed load reductions for many of the small tributaries to the river. These suggested load reductions ranged from about ten to fifty percent. The TMDL for the Stones watershed, which has been approved by EPA, can be accessed at the department's web page at [www.state.tn.us/environment/wpc/tmdl/](http://www.state.tn.us/environment/wpc/tmdl/)

The West Fork Stones is listed primarily because it fails to meet the state's biological integrity criterion. Excess silt is considered to be a significant part of the reason that the biological community has been impacted. As a practical matter, the more likely basis for delisting the stream would be that it meets water quality standards, rather than a calculated load reduction goal has been achieved.

**V-7.** *To what extent does the Murfreesboro Sinking Creek WWTP contribute to the listing of the West Fork of the Stones River.*

**Response:** A TMDL will be needed for the West Fork Stones River to identify pollutant sources throughout the watershed and to propose a control strategy for each. Prior to the TMDL being developed, we are not in a position to quantify with any precision the relative pollutant contributions of any specific source.

**V-8.** *Can the activities undertaken by the Murfreesboro Water and Sewer Department to alleviate the loadings of pollutants from the WWTP, such as diversion and land application of treated wastewater, allow the river to be delisted.*

**Response:** We are confident that the steps taken by Murfreesboro to decrease the stress on the West Fork Stones River will result in improved water quality. When water quality standards are consistently being met in the river, we will be pleased to propose delisting.

**V-9.** *What are the background levels of nutrients in the West Fork Stones River?*

**Response:** We consider the data collected at our reference streams to suitably represent background levels in Tennessee's ecoregions. The regional nutrient water quality goals established by the division for wadeable streams are based on the 90<sup>th</sup> percentile of all reference stream data. In the region that includes the West Fork Stones River, the nitrate+nitrite goal is 0.92 mg/L. For phosphorus, the goal is 0.18 mg/L.

More information about nutrient levels at reference streams can be obtained from the TDEC report *Development of Regionally-based Interpretations of Tennessee's Narrative Nutrient Criterion*, which is posted, on the department's web page at [www.state.tn.us/environment/wpc/publications/](http://www.state.tn.us/environment/wpc/publications/)

**V-10.** *In the 2002 303(d) list, Dog Creek (TN05130204001-0500) was listed as impaired. It is not on the 2004 List and does not appear in Appendix A as being delisted.*

**Response:** In the 2002 303(d) List, Dog Creek appears in Appendix C. It was considered impaired by habitat alteration, but was already covered by an EPA-approved TMDL for that condition.

The division reassessed Dog Creek for the 2004 assessment cycle. Based on recently collected data, the stream now appears to meet the biological integrity criterion. It should have been identified in Appendix A of the 2004 303(d) List as having improved. We will add this stream to Appendix A.

**V-11.** *In the 2002 303(d) list, Barren Fork (TN05130204006-0510) was listed as impaired. It is not on the 2004 List and does not appear in Appendix A as being delisted.*

**Response:** In the 2002 303(d) List, Barren Fork (now TN05130204006-0700) appears in Appendix C. It was considered impaired by siltation, but was already covered by an EPA-approved TMDL for that condition.

The division reassessed Barren Fork for the 2004 assessment cycle. Based on recently collected data, the stream now appears to meet the biological integrity criterion. It should have been identified in Appendix A of the 2004 303(d) List as having improved. We will add this stream to Appendix A.

**V-12.** *In the 2002 303(d) list, Bedford Creek (TN05130204010-0500) was listed as impaired. It is not on the 2004 List and does not appear in Appendix A as being delisted.*

**Response:** In the 2002 303(d) List, Bedford Creek appears in Appendix C. It was considered impaired by siltation and habitat alteration, but was already covered by an EPA-approved TMDL for that condition.

The division reassessed Bedford Creek for the 2004 assessment cycle. Based on recently collected data, the stream now appears to meet the biological integrity criterion. It should have been identified in Appendix A of the 2004 303(d) List as having improved. We will add this stream to Appendix A.

**V-13.** *The Harpeth River Watershed Association has data that indicate that Paige Branch, a tributary to Arrington Creek (TN05130204016-0500), is impaired. It should be listed on the 303(d) List even if Arrington Creek has improved.*

**Response:** Paige Branch is a very small tributary (three mile total length) to Arrington Creek. The listing of Arrington Creek in previous 303(d) cycles, and the proposed 2004 delisting, were based on data collected on the mainstem Arrington Creek. The division did not previously have data on Paige Branch.

We were not aware of the biological data collected by the Harpeth River Watershed Association until very recently. We agree with the commenter that these results call into question the appropriateness of including Paige Branch in with the Arrington Creek delisting. For this reason, we will separate Paige Branch from the Arrington Creek assessment and will give Paige Branch a distinct segment number.

We will reassess Paige Branch during the next assessment cycle. In the meantime, we will place Paige Branch in Category 3 (not assessed).

**V-14.** *TVA has attempted to mitigate dissolved oxygen and flow issues below South Holston Reservoir (TN06010102014-1000). Please make a note of this in the comments field.*

**Response:** We will add this comment.

**V-15.** *TVA has attempted to mitigate dissolved oxygen issues below Cherokee Reservoir (TN06010104001-2000). Additionally, the recent Record of Decision for the River Operations Study requires that tailwater temperatures be protective of listed species. Please make a note of this in the comments field.*

**Response:** We will add this comment.

**V-16.** *TVA has attempted to mitigate dissolved oxygen issues below Douglas Reservoir. This should be included in the comments.*

**Response:** We will add this comment.

**V-17.** *The West Prong Little Pigeon River is listed as impaired, however, the Pigeon Forge WWTP is not listed as a source. Can facilities increase their loadings if they are not named as a source of pollutants in a listed stream?*

**Response:** Additional loadings of a substance(s) already identified as violating water quality standards in an impaired stream cannot be authorized, regardless whether or not the facility is identified as a source on the 303(d) List.

However, it is important to note that the commenter has asked about a stream primarily impacted by pathogens. Point source dischargers are able to effectively disinfect the wastewater they discharge. Thus, the impairment of the receiving stream due to pathogens would not necessarily preclude the expansion of a point source discharger, provided that they could effectively disinfect their effluent.

**V-18.** *Four sources of pollution are identified on the West Prong of the Little Pigeon River. What is the relative contribution of each?*

**Response:** As stated in a previous response, prior to a TMDL being developed, we are not in a position to quantify with any precision the relative pollutant contributions of any specific source.

**V-19.** *TVA has injected oxygen into the forebay of Fort Loudoun Reservoir to improve dissolved oxygen levels. This should be included in the comments.*

**Response:** We will add the requested information in the comments.

**V-20.** *TVA has attempted to mitigate dissolved oxygen and flow alteration issues below Norris Reservoir (TN06010207019-2000). Please note this in the comments field.*

**Response:** We will add this comment, but note that the Clinch River downstream of Norris Reservoir is not currently listed for low dissolved oxygen.

**V-21.** *Clear Creek is listed as being impacted for 8.8 miles due to the oil spill. This seems to be larger than the actual area of impacts.*

**Response:** The commenter is correct. In the draft, we miscalculated the mileage of the impacted section, which goes from Elmer Howard Road to the mouth of Whites Creek. This will be corrected in the proposed final version, which will indicate that 1.41 miles of Clear Creek are impacted.

**V-22.** *TVA has plans to increase the flows from Apalachia Dam into the “bypass” section of the Hiwassee River. Please note this in the comments.*

**Response:** We will add this comment.

**V-23.** *TVA has existing agreements with the state of Tennessee and/or outfitters to provide recreational releases downstream of Ocoee # 2 and Ocoee # 3. Please note this in the comments.*

**Response:** We will add this comment.

**V-24.** *The division listed an unnamed tributary to South Chickamauga Creek (TN06020001007-0200) as impacted by habitat alteration. However, the impacts to the stream were authorized under a permit issued by TDEC. Additionally, the division accepted off-site mitigation as compensation for the damage done to the unnamed tributary. This stream should not have been listed.*



**Response:** The commenter is correct that the stream was 303(d) listed in 2002 after the completion of habitat alterations authorized by the division under an Aquatic Resource Alteration Permit. The Water Quality Control Act prohibits permitted activities that result in a violation of water quality standards. When unavoidable impacts to water of the state are authorized, the applicant must mitigate for any appreciable loss of resource value.

The mitigation project offered by the applicant was approved as acceptable mitigation for the unavoidable loss of uses in the impacted stream. Because no overall net loss of resource value resulted from the permitted activity, the unnamed tributary to South Chickamauga Creek should not have been listed as impacted by habitat alteration. The Division will propose delisting the stream for habitat alterations in the proposed final version of the 2004 303(d) List by moving the listing to Appendix A. EPA will have to approve the basis for this proposed delisting.

However, it should be noted that in addition to habitat alteration, the stream is also listed for organic enrichment/low DO and pathogens. The stream will need to remain listed for these causes.

**V-25.** *The division listed Standifer Creek (TN06020004001-0110) in Marion County as being impacted by silt from land development and pasture grazing. There is no longer much grazing in this watershed, so pasture grazing should be deleted as a source.*

**Response:** We reviewed this listing and agree with the commenter. We will make this revision.

**V-26.** *TVA has attempted to mitigate dissolved oxygen issues below Tims Ford Reservoir (TN06030003015-1000). Please note this in the comments field.*

**Response:** We will add this comment, but note that the Elk River downstream of Tims Ford Reservoir is not currently listed for low dissolved oxygen.

**V-27.** *In the 2002 303(d) list, the North Fork of the South Fork Forked Deer River (TN08010205028-1000) was listed as impaired. It is not on the 2004 List and does not appear in Appendix A as being delisted.*

**Response:** In the 2002 303(d) List, the North Fork of the South Fork Forked Deer River appears in Appendix C. It was considered impaired by pathogens, but was already covered by an EPA-approved TMDL for that condition.

The division reassessed the North Fork of the South Fork Forked Deer River for the 2004 assessment cycle. Based on recently collected data, the stream now appears to meet the pathogen criterion. It should have been identified in Appendix A of the 2004 303(d) List as having improved. We will add this stream to Appendix A.

**V-28.** *In the 2002 303(d) list, an Unnamed Trib to Fletcher Creek (TN08010210023-0200) was listed as impaired. It is not on the 2004 List and does not appear in Appendix A as being delisted.*

**Response:** In the 2002 303(d) List, the Unnamed Trib to Fletcher Creek appears in Appendix C. It was considered impaired by pathogens, but was already covered by an EPA-approved TMDL for that condition.

We have no additional data at this time that would justify a delisting of the stream and it appears to have been inadvertently left off the 2004 List. We will add this stream back to the 2004 proposed final version of the document.

## 2004 303(d) Outreach Activities

- June 8 –** Draft 303(d) posted on website.
- June 8 –** Notice mailed to addresses on Division of Water Pollution Control's public notice list.
- June 11 -** statewide press release sent out.
- June 21-** news release issued to Jackson and Dyersburg media outlets (Jackson Sun, WBBJ-TV, WDXI-AM, WZDX-FM, WTJS-AM, WMXX-FM, State Gazette, Union City Messenger and Lake Co. Banner).
- June 21-** News release issued to Memphis area media (Memphis CA, WHBQ-TV, WMC-TV, WPTY-TV, WREC-TV, KJMS-FM, WGKX-FM, WREC-AM, WMC-AM/FM, WLOK-AM, WKNP-FM, WKNO-FM, Memphis Flyer, Memphis Business Journal).
- June 24 -** News release issued to Williamson County media (Franklin Review Appeal, Williamson AM, Brentwood Journal, Associated Press).
- June 28 -** News release issued to Nashville and Murfreesboro area media (Tennessean, 4 television stations, WPLN-FM, WLAC-AM, TRN, Nashville Business Journal, Daily News Journal, Rutherford AM).
- June 28 -** Afternoon public meeting held in Jackson. Local radio and television outlet cover meeting.
- June 28 -** Evening public meeting held in Dyersburg. Local newspaper reporter attends and writes article about discussions.
- June 29 -** Afternoon public meeting held in Memphis. Local newspaper reporter attends.
- June 29 -** Evening public meeting held in Memphis (Bartlett).
- July 1 -** News release issued to Cookeville media (Herald Citizen, Sparta Expositor, Southern Standard, WHUB-Am, WPTN-AM).
- July 1 -** Evening public meeting held in Franklin.
- July 6 -** Afternoon meeting in downtown Nashville.

- July 6 -** News release went out to Tri-cities press for Elizabethton/Kingsport meetings. (Elizabethton Star, Greeneville Sun, Business Journal of the Tri-Cities, Kingsport Times-News, WCYB, WEMT, WKPT/WKPK, The Erwin Record, Johnson City Press, Jonesborough Herald and Tribune, Kingsport Daily News).
- July 6 -** News release went out to Chattanooga area press for Cleveland/Chattanooga meetings. (Chattanooga Times, Cleveland Daily Banner, Daily Post Athenian, Dayton Herald-News, WDEF, WRCB, WTVC, The Chattanooga, Bradley News Weekly).
- July 6 -** News release went out to Knoxville area press for Wartburg/Knoxville meetings (Knoxville News Sentinel, WATE, WBIR, WTNZ, WVLT, Morristown Citizen Tribune, Clinton Courier News, Maryville Daily Times, Sevierville Mountain Press, Oak Ridger, Roane County News, MetroPulse, LaFollette Press, Newport Plain Talk).
- July 6 -** Evening public meeting held in Murfreesboro.
- July 8 -** Evening public meeting held in Cookeville. Local newspaper reporter attends and writes article about discussions.
- July 12-** Additional news release sent to Chattanooga area press.
- July 12 -** Evening public meeting held in Elizabethton. Local newspaper reporter attends and writes article about discussions. TV station also attends and does story.
- July 13 -** Afternoon public meeting held in Kingsport. Local newspaper reporter attends and writes article about discussions.
- July 15 -** Another news release sent to Knoxville area press.
- July 15 -** Evening public meeting held in Cleveland. Local newspaper reporter attends and writes article about discussions.
- July 16 -** Afternoon public meeting held in Chattanooga.
- July 19 -** Evening public meeting held in Wartburg. Two local newspaper reporters attend and write article about discussions.
- July 20 -** Afternoon public meeting held in Knoxville. Local newspaper reporter attends and writes article about discussions. TV station attends and interviews participants.
- August 3 -** Public participation period ended.

## Key to 303(d) List

<b>WATERBODY ID</b>	<p>In 1988, the Division divided the state's waters into "waterbodies" and created a database of information about each. Each waterbody has an ID based on EPA's River Reach System. The first eight digits of the ID (after TN) are the USGS HUC Code number. The next three or four digits are the reach number assigned to the stream by EPA. The last four digits is the segment number assigned to each stream section for the Assessment Database (ADB). There is also a GIS coverage for listed streams.</p> <p><b>The 303(d) List is sorted in hydrologic order within each major watershed basin.</b> The NRCS watershed number for the segment is available through the ADB.</p>
<b>WATERBODY</b>	<p>The name of the main body of water within the waterbody is provided as <b>NAME</b>.</p>
<b>COUNTY</b>	<p>The county or counties where the waterbody is located.</p>
<b>MILES/ACRES IMPAIRED</b>	<p>If the stream is considered impaired (not meeting water quality standards), the number of impacted miles or acres (according to Reachfile 3) are shown in this column. Lake acres are noted as "ac".</p>
<b>CAUSE</b>	<p>The pollutant or pollutants exceeding water quality standards is identified.</p>
<b>SOURCE</b>	<p>The general source of each pollutant exceeding water quality standards within the waterbody is identified. (For both causes and sources, the Division uses categories provided by EPA in order to be consistent with language used by other states.)</p>

## TMDL Priorities

It should be noted that TMDL priorities are parameter specific and methodologies have not yet been developed for all substances or conditions. Thus a stream that has multiple causes of impairment may be high priority for one cause, but low priority for another.

<b>HIGH (H)</b>	Tools are available to produce the TMDL and the stream is in one of the watersheds being studied in the next two years. The TMDL will be produced in the next two years.
<b>MEDIUM (M)</b>	Tools are available to produce the TMDL, but the stream is not in a watershed being studied in the next two years. TMDL will be produced in the next five years.
<b>LOW (L)</b>	Tools are not currently available to produce the TMDL and the stream is not in the watershed being studied in the next two years. TMDL will be produced in the next twelve years.
<b>NOT APPLICABLE (NA)</b>	A TMDL has already been completed, submitted to EPA, and approved.

## Final Version - YEAR 2004 303(d) LIST FOR THE STATE OF TENNESSEE

### Barren River Watershed

This small basin is USGS Hydrologic Unit Code 05110002 and flows into Kentucky as part of the Barren River watershed.

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05110002 008 - 0600	DONAHO BRANCH	Sumner	3.0	Nitrate M Other Habitat Alterations M Escherichia coli M	Collection System Failure Urbanized High Density Area Channelization	Stream is Category 5. (One or more uses impaired.)
TN05110002 010 - 0500	LITTLE TRAMMEL CREEK	Sumner	11.0	Chlorine L Nutrients M Escherichia coli M	Minor Municipal Point Source	Stream is Category 5. (One or more uses impaired.)
TN05110002 027 - 0421	TOWN CREEK	Macon	3.7	Unionized Ammonia M Nutrients M Low dissolved oxygen L Escherichia coli M	Minor Municipal Point Source Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.)
TN05110002 CTYLKPO	CITY LAKE PORTLAND	Sumner	34 ac	Loss of biological integrity due to siltation L Low dissolved oxygen L Nutrients L Taste & odor L	Urbanized High Density Area Animal Feeding Area	Stream is Category 5. (One or more uses impaired.)
TN05110002 CITYLKW	CITY LAKE WESTMORELAND	Sumner	11.0 ac	Nutrients L Low dissolved oxygen L Taste & odor L	Pastureland Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.)

### Upper Cumberland Basin

This basin contains the following USGS Hydrologic Unit Codes: 05130101 (Clear Creek) and 05130104 (South Fork Cumberland).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE (Pollutant)	Pollutant Source	COMMENTS
TN05130101 016 - 0100	WHITE OAK CREEK	Campbell	6.7	Loss of biological integrity due to siltation L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN05130101 091 - 1000	ELK FORK CREEK	Campbell	3.9	Loss of biological integrity due to siltation L Other Habitat Alterations L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.) This stream provides habitat for a federally listed fish, blackside dace ( <i>Phoxinus cumberlandensis</i> ).
TN05130104 044 - 0500	STRAIGHT FORK CREEK	Scott	25.4	PH L Other Anthropogenic Substrate Alterations L	Abandoned Mining Channelization	Stream is Category 5. (One or more uses impaired.)
TN05130104 048 - 0200	NORTH FORK PINE CREEK	Scott	1.5	Escherichia coli H	Septic Tanks	Water contact advisory. Stream is Category 5. (One or more uses impaired.)

**Final 2004 303(d) LIST (Upper Cumberland Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130104 048 - 0300	LITTON FORK PINE CREEK	Scott	2.5	Escherichia coli H	Collection System Failure Septic Tanks	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN05130104 048 - 0400	EAST FORK PINE CREEK	Scott	2.8	Escherichia coli H	Collection System Failure Septic Tanks	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN05130104 048 - 0410	UNNAMED TRIB TO EAST FORK PINE CREEK	Scott	2.4	Escherichia coli H	Collection System Failure Septic Tanks	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN05130104 048 - 0500	SOUTH FORK PINE CREEK	Scott	1.7	Escherichia coli H	Collection System Failure Septic Tanks	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN05130104 048 - 1000	PINE CREEK	Scott	3.2	Escherichia coli H	Minor Municipal Point Source Collection System Failure	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN05130104 048 - 2000	PINE CREEK	Scott	4.1	Priority organics L Nutrients M Loss of biological integrity due to siltation M Low dissolved oxygen L Other Habitat Alterations M Escherichia coli H	Minor Municipal Point Source Collection System Failure Septic Tanks Channelization Contaminated sediments	Water contact advisory due to failing septic tanks. Superfund site source of organics in sediment. Stream is Category 5. (One or more uses impaired.)
TN05130104 048 - 3000	PINE CREEK	Scott	3.0	Creosote L Loss of biological integrity due to siltation M Nutrients L Low dissolved oxygen L Other Habitat Alterations M Escherichia coli H	Collection System Failure Septic Tanks Channelization Contaminated sediments	Water contact advisory due to failing septic tanks. Superfund site source of organics. Stream is Category 5. (One or more uses impaired.)
TN05130104 050 - 0100	EAST BRANCH BEAR CREEK	Scott	5.7	Iron L pH L Loss of biological integrity due to siltation L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN05130104 050 - 1000	BEAR CREEK	Scott	2.6	PH L Loss of biological integrity due to siltation L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN05130104 051 - 1000	ROARING PAUNCH CREEK	Scott	17.9	Loss of biological integrity due to siltation L	Petroleum Activities	Stream is Category 5. (One or more uses impaired.)
TN05130104 PKTLK	PICKETT LAKE	Pickett	5.0 ac	Nutrients L pH L Noxious aquatic plants L	Hydrologic Modification	Stream is Category 5. (One or more uses impaired.)



**Obey River Watershed** This basin contains the following USGS Hydrologic Unit Codes: 05130105 (Obey River)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130105 001 - 1000	OBEY RIVER	Clay	6.8	Low dissolved oxygen Habitat loss due to stream flow alteration L L	Upstream Impoundment	Impacted by poor quality Dale Hollow Reservoir releases. Stream is Category 5. (One or more uses impaired.)
TN05130105 015 - 0300	CUB CREEK	Overton	7.2	Manganese Iron pH L L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN05130105 015 - 2000	WEST FORK OBEY RIVER	Overton	13.1	Metals pH Loss of biological integrity due to siltation L L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN05130105 019 - 0300	ROCKCASTLE CREEK	Fentress	8.9	Nutrients Low DO Thermal Modifications Escherichia coli L L L	Minor Municipal Point Source Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.)
TN05130105 019 - 0750	MEADOW CREEK	Cumberland	1.4	Low DO L	Industrial Permitted Runoff	Stream is Category 5. (One or more uses impaired.)
TN05130105 019 - 1100	BIG LAUREL CREEK	Fentress Overton	9.2	Iron pH L L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN05130105 019 - 1110	LITTLE LAUREL CREEK	Fentress Overton	3.6	Iron pH L L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN05130105 019 - 1200	BIG PINEY CREEK	Fentress Overton	18.6	pH Loss of biological integrity due to siltation L L	Resource Extraction	Stream is Category 5. (One or more uses impaired.)
TN05130105 019 - 2000	EAST FORK OBEY RIVER	Fentress Overton	22.6	Metals pH Loss of biological integrity due to siltation L L	Resource Extraction	Stream is Category 5. (One or more uses impaired.)
TN05130105 019 - 3000	EAST FORK OBEY RIVER	Putnam Overton	11.1	Metals pH Loss of biological integrity due to siltation L L	Resource Extraction	Stream is Category 5. (One or more uses impaired.)
TN05130105 033 - 1400	TOWN BRANCH	Pickett	3.1	Nutrients Loss of biological integrity due to siltation Escherichia coli L L L	Minor Municipal Point Source Sludge Undetermined Source	Byrdstown area. Stream is Category 5. (One or more uses impaired.)

## Cordell Hull Watershed

This basin contains the following USGS Hydrologic Unit Codes: 05130106 (Cordell Hull Lake).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN05130106 007-0700	CARR CREEK	Overton	4.5	Low dissolved oxygen Escherichia coli	L L	Collection System Failure Urban Runoff/Storm Sewers	Stream is Category 5. (One or more uses impaired.)
TN05130106 007-0710	TOWN CREEK	Overton	6.2	Nutrients Low dissolved oxygen Escherichia coli	L L L	Collection System Failure Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.)

## Collins River Watershed

This basin contains the following USGS Hydrologic Unit Codes: 05130107 (Collins River).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN05130107 001 – 0100	UNNAMED TRIB TO COLLINS RIVER	Warren	2.42	Loss of biological integrity due to siltation	NA	Undetermined Source	Stream is Category 4A. Stream is impaired, but EPA has already approved a siltation and habitat alteration TMDL for this watershed.
TN05130107 002 – 0100	GATH BRANCH	Warren	2.9	Habitat loss due to alteration in stream-side or littoral vegetative cover	NA	Specialty Crop Production Pasture Grazing	Stream is Category 4A. Stream is impaired, but EPA has already approved a siltation and habitat alteration TMDL for this watershed.
TN05130107 002 – 0300	UNNAMED TRIB TO MOUNTAIN CREEK	Warren	1.9	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover	NA NA	Pasture Grazing Livestock in Stream Loss of Riparian Habitat	Stream is Category 4A. Stream is impaired, but EPA has already approved a siltation and habitat alteration TMDL for this watershed.
TN05130107 004 – 0100	HICKORY GROVE BRANCH	Warren	10.99	Habitat loss due to alteration in stream-side or littoral vegetative cover	NA	Specialty Crop Production Pasture Grazing Loss of Riparian Vegetation	Stream is Category 4A. Stream is impaired, but EPA has already approved a siltation and habitat alteration TMDL for this watershed.
TN05130107 006 – 0310	MUD CREEK	Coffee	14.0	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover	NA NA	Pasture Grazing Non-irrigated Crop Production	Stream is Category 4A. Stream is impaired, but EPA has already approved a siltation and habitat alteration TMDL for this watershed.
TN05130107 006 – 0500	DOG BRANCH	Warren	9.2	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Pasture Grazing	Stream is Category 4A. Stream is impaired, but EPA has already approved a siltation and habitat alteration TMDL for this watershed.

**Final Version 2004 303(d) LIST (Collins River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130107 006 – 0700	OAKLAND BRANCH	Warren	6.3	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Land Development Discharges from MS4 area	Stream is Category 4A. Stream is impaired, but EPA has already approved a siltation and habitat alteration TMDL for this watershed.
TN05130107 016 – 0150	SAVAGE CREEK	Grundy Sequatchie	22.1	Biological integrity loss due to undetermined cause L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN05130107 016 – 2000	COLLINS RIVER	Grundy	5.8	Iron L Manganese L pH L	Coal Mining Discharges	Stream is Category 5. (One or more uses impaired.)
TN05130107 023 – 0200	DRY CREEK	Warren Sequatchie	31.25	Sulfates M pH M Manganese M Iron M	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)

**Caney Fork River Watershed** This basin contains the following USGS Hydrologic Unit Codes: 05130108 (Caney Fork River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130108 001 – 0100	SNOW CREEK	Smith	7.6	Loss of biological integrity due to siltation H Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130108 001 – 0200	FERGUSON BRANCH	Smith	5.8	Habitat loss due to alteration in stream-side or littoral vegetative cover H	Loss of Riparian Habitat	Stream is Category 5. (One or more uses impaired.)
TN05130108 002 – 2000	HICKMAN CREEK	Smith DeKalb	10.16	Habitat loss due to alteration in stream-side or littoral vegetative cover H Low dissolved oxygen H Nitrates H Phosphates H Escherichia coli M	Municipal Point Source Grazing Related Sources	Stream is Category 5. (One or more uses impaired.)
TN05130108 004 – 0110	DRIVERS BRANCH	DeKalb	2.79	Loss of biological integrity due to siltation H	Hwy/Road/Bridge Construction	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Caney Fork River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130108 012 – 1000	CANEY FORK RIVER	Smith DeKalb	6.4	Low dissolved oxygen L Habitat loss due to stream flow alteration L Thermal modification L	Upstream impoundment (Center Hill Reservoir)	Stream is Category 5. (One or more uses impaired.) This section provides habitat for the following listed mussels: Oyster mussel ( <u>E. capsaeformis</u> ), Cumberland combshell ( <u>E. brevidens</u> ), Pink mucket pearly mussel ( <u>Lampsilis abrupta</u> ), Dromedary pearly mussel ( <u>Dromus dromus</u> ), Fanshell ( <u>Cyprogenia stegarias</u> ), Clubshell ( <u>Pleurobema clava</u> ), Cumberland bean ( <u>Villosa trabalis</u> ).
TN05130108 024 –1000	ROCKY RIVER	Van Buren Warren	8.7	Loss of biological integrity due to siltation H	Hwy/Road/Bridge Construction	Stream is Category 5. (One or more uses impaired.)
TN05130108 024 – 4000	ROCKY RIVER	Van Buren Warren	17.0	pH H Manganese H	Abandoned Mining	Stream is Category 5. (One or more uses impaired.) Upper Rocky River provides habitat for the federally listed fish, slender chub ( <u>Erimystax cahni</u> ).
TN05130108 025 – 0400	HICKORY VALLEY BRANCH	White	8.2	Low dissolved oxygen H Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130108 025 – 1000	CANEY FORK RIVER	DeKalb White	1.4	Habitat loss due to stream flow alteration L	Upstream Impoundment	Stream is Category 5. (One or more uses impaired.) Section of Caney Fork de-watered by Great Falls Reservoir.
TN05130108 027 – 0300	GARDNER CREEK	Bledsoe	3.1	Manganese L	Abandoned mining	Stream is Category 5. (One or more uses impaired.)
TN05130108 027 – 0600	FALL CREEK	Van Buren	0.5	Habitat loss due to stream flow alteration L Iron L Physical substrate habitat alterations L	Upstream Impoundment	Stream is Category 5. (One or more uses impaired.) Iron precipitated out of lake coats substrate and causes orange waterfall.
TN05130108 027 – 0750	PINEY CREEK	Van Buren	12.28	Iron M pH M Physical substrate habitat alterations L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Caney Fork River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130108 027 – 0850	DRY FORK	Van Buren	16.7	Iron pH Physical substrate habitat alterations H H L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.) Upper portion of watershed is impacted.
TN05130108 033 – 0200	BEAVERDAM CREEK	Bledsoe	19.9	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation H L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130108 033 – 0210	LITTLE BEAVERDAM CREEK	Bledsoe	6.9	Loss of biological integrity due to siltation L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130108 033 – 0310	BRADDEN CREEK	Bledsoe	10.7	Low dissolved oxygen Habitat loss due to alteration in stream-side or littoral vegetative cover H M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130108 033 – 2000	BEE CREEK	Bledsoe Cumberland	16.67	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover H H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130108 036 – 0100	CLIFTY CREEK	White	21.4	pH Iron L L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN05130108 036 – 0820	FLYNN CREEK	Cumberland	2.8	Loss of biological integrity due to siltation L	Source Undetermined	Stream is Category 5. (One or more uses impaired.)
TN05130108 036 – 0600	UNNAMED TRIB TO CANEY FORK RIVER	Cumberland	3.5	Habitat loss due to alteration in stream-side or littoral vegetative cover H	Livestock in Stream Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130108 036 – 0900	PUNCHEONCAMP CREEK	Cumberland	12.8	pH H	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN05130108 043 – 0300	BLUE SPRING CREEK	White	10.1	Loss of biological integrity due to siltation H	Bank Modification/Destabilization	Stream is Category 5. (One or more uses impaired.)
TN05130108 045 – 0100	CANE CREEK	Putnam	19.1	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation H H	Discharges from MS4 Area Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130108 045 – 0150	CANE CREEK	Putnam	12.0	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation H H	Discharges from MS4 Area Pasture Grazing Livestock in Stream	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Caney Fork River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130108 045 – 0300	HUDGENS CREEK	Putnam	6.7	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H Escherichia coli L	Discharges from MS4 Area Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130108 045 – 0400	PIGEON ROOST CREEK	Putnam	2.4	Nitrates M Phosphorus M Physical substrate habitat alteration M Escherichia coli M	Municipal Point Source Discharges from MS4 Area Channelization	Stream is Category 5. (One or more uses impaired.)
TN05130108 045 – 0450	PIGEON ROOST CREEK	Putnam	3.2	Nitrates M Phosphorus M Physical substrate habitat alteration M Escherichia coli M	Discharges from MS4 Area Channelization	Stream is Category 5. (One or more uses impaired.)
TN05130108 045 – 0500	POST OAK CREEK	White	8.3	Loss of biological integrity due to siltation H Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130108 045 – 1000	FALLING WATER RIVER	Putnam White	8.8	Nitrates M Loss of biological integrity due to siltation H	Pasture Grazing Municipal Point Source Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN05130108 045 – 3000	FALLING WATER RIVER	Putnam	11.2	Nutrients M Low Dissolved Oxygen L	Municipal Point Source	Stream is Category 5. (One or more uses impaired.)
TN05130108 097 – 2000	MINE LICK CREEK	Putnam	4.23	Escherichia coli L Nitrates M	Collection System Failure	Stream is Category 5. (One or more uses impaired.) Water contact advisory due to Baxter STP overflows.
TN05130108 684 – 1000	FALL CREEK	DeKalb	9.8	Loss of biological integrity due to siltation H Nutrients L Low dissolved oxygen L Escherichia coli L Other anthropogenic substrate alterations L	Major Municipal Point Source Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)
TN05130108 684 – 2000	FALL CREEK	DeKalb	6.7	Other anthropogenic substrate alterations L	Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.)

**Old Hickory Watershed** This basin contains the following USGS Hydrologic Unit Codes: 05130201 (Old Hickory Lake).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130201 001T-0200	TOWN CREEK	Sumner	12.1	Loss of biological integrity due to siltation L Other Habitat Alterations L	Discharges from MS4 area Hydromodification	Gallatin area impacts. Stream is Category 5. (One or more uses impaired.)
TN05130201 001T-1400	SPENCER CREEK	Wilson	11.6	Nutrients L Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130201 011-0100	NORTH FORK CEDAR CREEK	Wilson	4.2	Loss of biological integrity due to siltation L Other Habitat Alteration L	Highway Construction Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130201 011-0200	MIDDLE FORK CEDAR CREEK	Wilson	4.3	Loss of biological integrity due to siltation L Other Habitat Alteration L	Highway Construction Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130201 011-0400	WILSON CREEK	Wilson	8.1	Loss of biological integrity due to siltation L Other Habitat Alteration L	Highway Construction Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130201 013-4000	SPRING CREEK	Wilson	9.0	Escherichia coli L	Pasture Grazing Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN05130201 015-0200	JOHNSON BRANCH	Wilson	7.6	Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130201 021-0300	NEAL BRANCH	Wilson	3.7	Phosphorus L Loss of biological integrity due to siltation L Escherichia coli L	Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN05130201 021-0400	BEECH LOG CREEK	Wilson	8.5	Phosphorus L Loss of biological integrity due to siltation L Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130201 021-0600	BIG CANEY BRANCH	Wilson	6.3	Loss of biological integrity due to siltation L Other Habitat Alteration L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130201 021 – 2000	ROUND LICK CREEK	Smith Wilson	8.7	Nutrients L Loss of biological integrity due to siltation L Low dissolved oxygen L Other Habitat Alteration L Escherichia coli L	Minor Municipal Point Source Pasture Grazing	Area impacts include Watertown STP. Stream is Category 5. (One or more uses impaired.)
TN05130201 021 – 3000	ROUND LICK CREEK	Wilson	8.8	Loss of biological integrity due to siltation L Other Habitat Alteration L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130201 028-0100	LITTLE GOOSE CREEK	Trousdale Macon	12.7	Other Habitat Alteration L	Hydromodification	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Old Hickory Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130201 055-0200	SINKING CREEK	Wilson	17.4	Nutrients L Other Anthropogenic L Substate Alterations L Escherichia coli L	Collection System Failure Pasture Grazing Urban Runoff/Storm Sewers	Stream is Category 5. (One or more uses impaired.)
TN05130201 055-1000	BARTONS CREEK	Wilson	16.9	Nitrate L Loss of biological integrity due to siltation L Escherichia coli L	Collection System Failure Urban Runoff/Storm Sewers Land Development	Stream is Category 5. (One or more uses impaired.)

**Cheatham Reservoir Watershed**

This basin contains the following USGS Hydrologic Unit Code: 05130202 (Cheatham Lake)

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130202 001 – 3000	CHEATHAM RESERVOIR Bordeaux Bridge to Woodland Street.	Davidson	994 ac	Escherichia coli L	Combined Sewer Overflows Major Municipal Wet Weather discharge Discharges from MS4 area	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN05130202 001T - 0100	UNNAMED TRIB TO CHEATHAM RES.	Cheatham	2.0	Loss of biological integrity due to siltation L Other Habitat Alterations L	Urbanized High Density Area	Ashland City area trib. Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 0100	SIMS BRANCH	Davidson	1.5	Nutrients M Low dissolved oxygen L Other Habitat Alteration L Escherichia coli M	Discharges from MS4 area Industrial Permitted Stormwater Hydromodification	Provides habitat for the federally listed Nashville crayfish ( <i>Orconectes shoupi</i> ). Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 0150	SIMS BRANCH	Davidson	1.4	Low dissolved oxygen L Other Habitat Alteration M	Discharges from MS4 area Industrial Permitted Stormwater Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 0300	FINLEY BRANCH	Davidson	1.2	Chlorine L Escherichia coli M	Discharges from MS4 area Major Industrial Point Source	Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 0600	COLLINS CREEK	Davidson	6.7	Loss of biological integrity due to siltation L	Land Development	Provides habitat for the federally listed Nashville crayfish ( <i>O. shoupi</i> ). Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 0700	TURKEY CREEK	Davidson	1.6	Loss of biological integrity due to siltation L	Land Development	Stream is Category 5. (One or more uses impaired.)



**Final Version 2004 303(d) LIST (Cheatham Reservoir Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130202 007 – 0800	INDIAN CREEK	Davidson	5.7	Phosphorus M	Land Development	Provides habitat for the federally listed Nashville crayfish ( <u>O. shoupi</u> ). Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 0920	UNNAMED TRIB TO OWL CREEK	Williamson	1.6	Loss of biological integrity due to siltation L Other Habitat Alterations L	Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 1100	HOLT CREEK	Davidson	6.2	Loss of biological integrity due to siltation L	Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 1200	WHITTEMORE BRANCH	Davidson	2.9	Other Habitat Alterations L	Discharges from MS4 area	Provides habitat for the federally listed Nashville crayfish ( <u>O. shoupi</u> ). Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 1300	SORGHUM BRANCH	Davidson	3.1	Loss of biological integrity due to siltation L Other Habitat Alterations L	Discharges from MS4 area	Provides habitat for the federally listed Nashville crayfish ( <u>O. shoupi</u> ). Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 1400	SEVENMILE CREEK	Davidson	2.4	Nutrients M Other Habitat Alteration L Escherichia coli M	Discharges from MS4 area Hydromodification	Provides habitat for the federally listed Nashville crayfish ( <u>O. shoupi</u> ). Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 1410	SHASTA BRANCH	Davidson	1.0	Escherichia coli M	Discharges from MS4 area	Provides habitat for the federally listed Nashville crayfish ( <u>O. shoupi</u> ). Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 1450	SEVENMILE CREEK	Davidson	2.0	Nutrients M Escherichia coli M	Discharges from MS4 area Hydromodification	Provides habitat for the federally listed Nashville crayfish ( <u>O. shoupi</u> ). Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 1500	PAVILLION BRANCH	Davidson	1.3	Escherichia coli M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 1000	MILL CREEK	Davidson	3.5	Nutrients M Loss of biological integrity due to siltation L Low dissolved oxygen M	Collection System Failure Discharges from MS4 area	Provides habitat for the federally listed Nashville crayfish ( <u>O. shoupi</u> ). Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Cheatham Reservoir Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130202 007 – 2000	MILL CREEK	Davidson	4.0	Loss of biological integrity due to siltation L Low dissolved oxygen M Nutrients M	Collection System Failure Discharges from MS4 area	Provides habitat for the federally listed Nashville crayfish ( <i>O. shoupi</i> ). Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 3000	MILL CREEK	Davidson	5.9	Loss of biological integrity due to siltation L Nutrients M Low dissolved oxygen M Escherichia coli M	Collection System Failure Discharges from MS4 area	Provides habitat for the federally listed Nashville crayfish ( <i>O. shoupi</i> ). Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 5000	MILL CREEK	Davidson Williamson	8.1	Nutrients M Loss of biological integrity due to siltation L Low dissolved oxygen M Escherichia coli M	Minor Municipal Point Source Livestock in Stream	Provides habitat for the federally listed Nashville crayfish ( <i>O. shoupi</i> ). Stream is Category 5. (One or more uses impaired.)
TN05130202 010 – 0200	DRAKES BRANCH	Davidson	2.7	Escherichia coli M	Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN05130202 010 – 0300	DRY FORK	Davidson	9.9	Escherichia coli M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN05130202 010 – 0400	EARTHMAN FORK	Davidson	11.0	Escherichia coli M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN05130202 010 – 0600	CUMMINGS BRANCH	Davidson	2.6	Escherichia coli M	Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN05130202 010 – 0700	LITTLE CREEK	Davidson	1.1	Loss of biological integrity due to siltation L Escherichia coli M	Land Development Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN05130202 010 – 0800	EWING CREEK	Davidson	17.6	Escherichia coli M Other Habitat Alterations L	Discharges from MS4 area Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN05130202 010 – 1000	WHITES CREEK	Davidson	2.9	Escherichia coli M Nutrients L	Collection System Failure	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN05130202 014 – 0400	NORTH FORK SYCAMORE CREEK	Robertson	15.4	Loss of biological integrity due to siltation L Other Habitat Alterations L	Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN05130202 023 – 0100	EAST FORK BROWN'S CREEK	Davidson	2.2	Nutrients M Other Habitat Alterations L Escherichia coli M Oil and Grease L	Minor Industrial Point Source Discharges from MS4 area Hydromodification	Impacted by spills and runoff from Radnor Yards. Stream is Category 5. (One or more uses impaired.)
TN05130202 023 – 0200	MIDDLE FORK BROWN'S CREEK	Davidson	3.5	Other Habitat Alterations L	Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130202 023 – 0300	WEST FORK BROWN'S CREEK	Davidson	3.6	Nutrients M Escherichia coli M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Cheatham Reservoir Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130202 023 – 1000	BROWN'S CREEK	Davidson	0.2	Nutrients M Other Habitat Alterations L Escherichia coli M Oil and Grease L	Minor Industrial Point Source Collection System Failure Discharges from MS4 area Hydromodification	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN05130202 023 – 2000	BROWN'S CREEK	Davidson	4.1	Nutrients M Other Habitat Alterations L Escherichia coli M Oil and Grease L	Minor Industrial Point Source Discharges from MS4 area Hydromodification	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN05130202 027 – 1000	DRY CREEK	Davidson	0.5	Escherichia coli M	Collection System Failure	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN05130202 027 – 2000	DRY CREEK	Davidson	5.9	Other Habitat Alterations L	Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN05130202 202 – 1000	PAGES BRANCH	Davidson	0.6	Escherichia coli M	Collection System Failure Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130202 202 – 2000	PAGES BRANCH	Davidson	4.5	Escherichia coli M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130202 209 – 1000	COOPER CREEK	Davidson	3.9	Other Habitat Alterations L Escherichia coli M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130202 211 – 1000	LOVES BRANCH	Davidson	2.0	Other Habitat Alterations L	Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN05130202 212 – 0100	NEELEYS BRANCH	Davidson	1.7	Escherichia coli M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130202 212 – 1000	GIBSON CREEK	Davidson	3.7	Habitat loss due to stream flow alteration L Other Habitat Alterations L Escherichia coli M	Discharges from MS4 area Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN05130202 220 – 0100	LUMSLEY FORK	Davidson	4.7	Escherichia coli M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN05130202 220 – 0200	WALKERS CREEK	Davidson	7.8	Escherichia coli M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN05130202 220 – 0300	SLATERS CREEK	Sumner	11.3	Loss of biological integrity due to siltation L Escherichia coli M	Discharges from MS4 area Bank Modification	Stream is Category 5. (One or more uses impaired.)
TN05130202 220 – 0400	MADISON CREEK	Sumner	14.4	Loss of biological integrity due to siltation L	Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130202 220 – 1000	MANSKERS CREEK	Davidson Sumner	7.9	Loss of biological integrity due to siltation L Escherichia coli M	Discharges from MS4 area Land Development	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN05130202 220 – 2000	MANSKERS CREEK	Davidson Sumner	7.6	Loss of biological integrity due to siltation L Escherichia coli M	Discharges from MS4 area Land Development	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Cheatham Reservoir Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130202 314 – 0100	UNNAMED TRIB TO RICHLAND CREEK	Davidson	1.1	Escherichia coli M	Discharges from MS4 area	Tributary near I-40. Stream is Category 5. (One or more uses impaired.)
TN05130202 314 – 0200	MURPHY ROAD BRANCH	Davidson	1.5	Escherichia coli M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130202 314 – 0300	BOSLEY SPRINGS BRANCH	Davidson	1.5	Other Habitat Alterations L Escherichia coli M	Discharges from MS4 area Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN05130202 314 – 0400	SUGARTREE CREEK	Davidson	4.3	Nutrients L Other Habitat Alterations L Escherichia coli M	Discharges from MS4 area Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN05130202 314 – 0700	VAUGHNS GAP BRANCH	Davidson	0.6	Other Habitat Alterations L Escherichia coli M	Collection System Failure Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN05130202 314 – 0750	VAUGHNS GAP BRANCH	Davidson	1.9	Other Habitat Alterations L Escherichia coli M	Discharges from MS4 area Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN05130202 314 – 0800	JOCELYN HOLLOW BRANCH	Davidson	2.0	Escherichia coli M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130202 314 – 1000	RICHLAND CREEK	Davidson	1.9	Escherichia coli M Other Habitat Alterations L	Collection System Failure Hydromodification	Water contact advisory due to Metro collection system overflows. Stream is Category 5. (One or more uses impaired.)
TN05130202 314 – 2000	RICHLAND CREEK	Davidson	6.7	Escherichia coli M Other Habitat Alterations L	Collection System Failure Hydromodification	Water contact advisory due to Metro collection system overflows. Stream is Category 5. (One or more uses impaired.)
TN05130202 314 – 3000	RICHLAND CREEK	Davidson	4.0	Nutrients M Other Habitat Alterations L Escherichia coli M	Collection System Failure Discharges from MS4 area Hydromodification	Stream is Category 5. (One or more uses impaired.)

**Stones River Watershed**

This basin contains the following USGS Hydrologic Unit Code: 05130203 (Stones River)

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130203 001 – 0100	MCCRORY CREEK	Davidson	1.4	Nitrate H Habitat loss due to alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Highway, Roads, Bridges, Infrastructure Construction Discharges from MS4 Area Collection System Failure	This stream is Category 5. The stream is impaired for one or more uses. A pathogen TMDL has been approved by EPA for this segment.

Final Version 2004 303(d) LIST (Stones River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130203 001 – 0150	MCCRORY CREEK	Davidson	10.7	Nitrate Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli	H NA NA	Discharges from MS4 Area  This stream is Category 5. The stream is impaired for one or more uses, however, EPA has approved a siltation/habitat alteration TMDL, plus a pathogen TMDL, that addresses some of the known pollutants in this stream.
TN05130203 001 – 1000	STONES RIVER	Davidson	6.7	Sulfide-hydrogen sulfide Low dissolved oxygen Habitat loss due to stream flow alteration Odor threshold number	L L L L	Upstream Impoundment  This stream is Category 5. The stream is impaired for one or more uses. Sulfides cause odor problem below dam.
TN05130203 003T – 0100	FINCH BRANCH	Rutherford	5.7	Nutrients Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli	H NA H	Land Development Collection System Failure  This stream is Category 5. The stream is impaired for one or more uses, however, EPA has approved a siltation/habitat alteration TMDL that addresses some of the known pollutants in this stream.
TN05130203 010 – 0200	OLIVE BRANCH	Rutherford	8.1	Physical substrate habitat alterations	NA	Land Development  This stream is Category 4a. The stream is impaired for one or more uses, however, EPA has approved a siltation/habitat alteration TMDL that addresses the known pollutants in this stream.
TN05130203 010 – 0300	HARTS BRANCH	Rutherford	3.9	Loss of biological integrity due to siltation	NA	Discharges from MS4 area  This stream is Category 4a. The stream is impaired for one or more uses, however, EPA has approved a siltation/habitat alteration TMDL that addresses the known pollutants in this stream.
TN05130203 010 – 0310	ROCK SPRING BRANCH	Rutherford	5.6	Loss of biological integrity due to siltation Physical substrate habitat alterations	NA NA	Highways, Roads, Bridges, Infrastructure Construction  This stream is Category 4a. The stream is impaired for one or more uses, however, EPA has approved a siltation/habitat alteration TMDL that addresses the known pollutants in this stream.

**Final Version 2004 303(d) LIST (Stones River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130203 010 – 1000	STEWARTS CREEK	Rutherford	7.0	Nitrates Loss of biological integrity due to siltation M NA	Municipal Point Source Discharges from MS4 area	This stream is Category 4a. The stream is impaired for one or more uses, however, EPA has approved a siltation/habitat alteration TMDL that addresses some of the known pollutants in this stream.
TN05130203 018 – 0100	SINKING CREEK	Rutherford	5.5	Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli L H	Land Development Discharges from MS4 area	This stream is Category 5. The stream is impaired for one or more uses.
TN05130203 018 – 0210	CHRISTMAS CREEK	Rutherford	12.3	Loss of biological integrity due to siltation Escherichia coli L NA	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses, however, EPA has approved a pathogens TMDL that addresses some of the known pollutants.
TN05130203 018 - 2000	WEST FORK STONES RIVER	Rutherford	1.3	Nitrates Loss of biological integrity due to siltation L L	Municipal Point Source Land Development	This stream is Category 5. The stream is impaired for one or more uses.
TN05130203 018 - 3000	WEST FORK STONES RIVER	Rutherford	5.1	Loss of biological integrity due to siltation L	Land Development	This stream is Category 5. The stream is impaired for one or more uses.
TN05130203 018 - 5000	WEST FORK STONES RIVER	Rutherford	5.0	Loss of biological integrity due to siltation L	Land Development Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses
TN05130203 018 - 7000	WEST FORK STONES RIVER	Rutherford	7.2	Low dissolved oxygen M	Pasture Grazing Livestock in stream	Stream is Category 5. (One or more uses impaired.)
TN05130203 021 - 0100	HURRICANE CREEK	Rutherford	18.1	Loss of biological integrity due to siltation NA	Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130203 021 - 0320	HENRY CREEK	Rutherford	4.2	Loss of biological integrity due to siltation NA	Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130203 022 –0100	UNNAMED TRIB TO LYTLE CREEK	Rutherford	1.0	Low dissolved oxygen Escherichia coli H L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Stones River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130203 022 -0200	LEES SPRING BRANCH	Rutherford	1.1	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130203 022 -1000	LYTLE CREEK	Rutherford	8.9	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli M	Discharges from MS4 area	This stream is Category 5. The stream is impaired for one or more uses, however, EPA has approved a siltation/habitat alteration TMDL that addresses some of the known pollutants in this stream.
TN05130203 022 -2000	LYTLE CREEK	Rutherford	10.1	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli M	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses, however, EPA has approved a siltation/habitat alteration TMDL that addresses some of the known pollutants in this stream.
TN05130203 023 -0210	UNNAMED TRIB TO BUSHMAN CREEK	Rutherford	0.5	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Discharges from MS4 area Channelization	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130203 023 -0300	DRY BRANCH	Rutherford	1.6	Loss of biological integrity due to siltation NA	Pasture Grazing Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130203 023 -0310	BEAR BRANCH	Rutherford	3.5	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Nutrients M	Pasture Grazing Land Development	This stream is Category 5. The stream is impaired for one or more uses, however, EPA has approved a siltation/habitat alteration TMDL that addresses some of the known pollutants in this stream.
TN05130203 025 -2000	CRIPPLE CREEK	Rutherford	5.4	Loss of biological integrity due to siltation NA	Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.

**Final Version 2004 303(d) LIST (Stones River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130203 026 – 0200	MCKNIGHT BRANCH	Rutherford Cannon	18.8	Habitat loss due to alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a Loss of biological integrity due to siltation/ habitat alteration TMDL for the known pollutants.
TN05130203 029 – 0100	JARMAN BRANCH	Rutherford Wilson	4.4	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Nutrients H	Pasture Grazing Land Development	This stream is Category 5. The stream is impaired for one or more uses, however, EPA has approved a siltation/ habitat alteration TMDL that addresses some of the known pollutants in this stream.
TN05130203 029 – 0200	UNNAMED TRIB TO BRADLEY CREEK	Rutherford	2.7	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Nutrients H	Pasture Grazing Livestock in Stream	This stream is Category 5. The stream is impaired for one or more uses, however, EPA has approved a siltation/ habitat alteration TMDL that addresses some of the known pollutants in this stream.
TN05130203 029 – 0300	UNNAMED TRIB TO BRADLEY CREEK	Rutherford	1.7	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Nutrients H	Pasture Grazing Livestock in Stream	This stream is Category 5. The stream is impaired for one or more uses, however, EPA has approved a siltation/ habitat alteration TMDL that addresses some of the known pollutants in this stream.
TN05130203 032 – 0100	UNNAMED TRIB TO FALL CREEK	Wilson	3.0	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130203 032 – 0200	CEDAR CREEK	Wilson	1.7	Habitat loss due to alteration in stream-side or littoral vegetative cover NA	Pasture Grazing Livestock in Stream	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130203 035 – 0400	UNNAMED TRIB TO STONERS CREEK	Davidson	1.4	Loss of biological integrity due to siltation NA	Industrial Stormwater Discharge	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.



Final Version 2004 303(d) LIST (Stones River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130203 035 – 1000	STONERS CREEK	Davidson	1.9	Loss of biological integrity due to siltation Escherichia coli NA NA	Land Development Collection System Failure	This stream is Category 4a. The stream is impaired for one or more uses, however, EPA has approved a siltation/habitat alteration and pathogen TMDL that addresses the known pollutants in this stream.
TN05130203 036 – 0100	EAST BRANCH HURRICANE CREEK	Rutherford	7.3	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA	Discharges from MS4 area Channelization Loss of Riparian Habitat	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130203 036 – 0200	WEST BRANCH HURRICANE CREEK	Rutherford	3.5	Nutrients Loss of biological integrity due to siltation M NA	Land Development	This stream is Category 5. The stream is impaired for one or more uses, however, EPA has approved a siltation/habitat alteration TMDL that addresses some of the known pollutants in this stream.
TN05130203 036 – 1000	HURRICANE CREEK	Rutherford	8.5	Nutrients Loss of biological integrity due to siltation H NA	Industrial Point Source Land Development	This stream is Category 5. The stream is impaired for one or more uses, however, EPA has approved a siltation/habitat alteration TMDL that addresses some of the known pollutants in this stream.
TN05130203 232 – 1000	SUGGS CREEK	Davidson Wilson	10.1	Loss of biological integrity due to siltation L	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN05130203 539 – 0100	WEST FORK HAMILTON CREEK	Davidson	1.8	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Discharges from MS4 area Channelization Loss of Riparian Habitat	This stream is Category 5. The stream is impaired for one or more uses.
TN05130203 539 – 1000	EAST FORK HAMILTON CREEK	Davidson	6.0	Physical substrate habitat alterations Loss of biological integrity due to siltation L L	Channelization Land Development	This stream is Category 5. The stream is impaired for one or more uses.

## Harpeth River Watershed

This basin contains the following USGS Hydrologic Unit Code: 05130204 (Harpeth River)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130204 001 -0600	TRACE CREEK	Cheatham Dickson	8.3	Escherichia coli M	Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN05130204 002 -0500	UNNAMED TRIB. TO JONES CREEK	Dickson	0.5	Other anthropogenic substrate alterations NA Loss of biological integrity due to siltation NA	Golf Course	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 002 -0600	SPICER BRANCH	Dickson	4.6	Physical substrate habitat alterations NA Loss of biological integrity due to siltation NA	Channelization Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 002 -2000	JONES CREEK	Dickson	7.0	Nutrients L Escherichia coli M	Municipal Point Source Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses. However, EPA has approved a siltation/habitat alteration TMDL for some of the known pollutants in this stream.
TN05130204 002 -3000	JONES CREEK	Dickson	8.1	Nutrients L Loss of biological integrity due to siltation NA	Land Development Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses. However, EPA has approved a siltation/habitat alteration TMDL for some of the known pollutants in this stream.
TN05130204 006 -0300	TIDWELL BRANCH	Williamson	1.1	Loss of biological integrity due to siltation NA	Highways, Roads, Bridge, Infrastructure Construction	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 006 -0400	UNNAMED TRIB TO BIG TURNBULL CREEK	Williamson	0.5	Loss of biological integrity due to siltation NA	Undetermined Source	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 006 -0500	UNNAMED TRIB TO BIG TURNBULL CREEK	Williamson	1.0	Biological integrity loss due to undetermined cause L	Undetermined Source	This stream is Category 5. The stream is impaired for one or more uses. (Stream does not meet biological integrity goals for region.)

**Final Version 2004 303(d) LIST (Harpeth River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130204 006 -0710	RIALS BRANCH	Dickson Hickman	1.9	Loss of biological integrity due to siltation NA	Highways, Roads, Bridge, Infrastructure Construction	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 006 -0800	PARKERS CREEK	Dickson	4.1	Physical substrate habitat alterations Loss of biological integrity due to siltation NA NA	Highways, Roads, Bridge, Infrastructure Construction Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 006 -0900	GOSLIN BRANCH	Dickson Hickman	4.3	Loss of biological integrity due to siltation NA	Highways, Roads, Bridge, Infrastructure Construction	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 006 -1100	NAILS CREEK	Dickson	7.6	Loss of biological integrity due to siltation NA	Highways, Roads, Bridge, Infrastructure Construction	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 006 -1220	JORDAN HOLLOW CREEK	Dickson	2.4	Loss of biological integrity due to siltation NA	Highways, Roads, Bridge, Infrastructure Construction	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 006 -1230	GUM BRANCH	Dickson	2.7	Loss of biological integrity due to siltation NA	Highways, Roads, Bridge, Infrastructure Construction	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 009 -0200	NEWSOM BRANCH	Davidson	1.7	Loss of biological integrity due to siltation NA	Discharges from MS4 Area Loss of Riparian Habitat	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 009 -0500	CARTWRIGHT CREEK	Williamson	5.7	Physical substrate habitat alterations NA	Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.

**Final Version 2004 303(d) LIST (Harpeth River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130204 009 –0600	MURRAY BRANCH	Williamson	3.6	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 009 –0700	BROWN CREEK	Williamson	5.3	Loss of biological integrity due to siltation NA	Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 009 –0800	UNNAMED TRIB TO HARPETH RIVER	Williamson	2.1	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 009 –0900	TRACE CREEK	Davidson Williamson	4.9	Physical substrate habitat alteration NA	Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 009 – 1100	BEECH CREEK	Davidson	3.6	Nutrients NA Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing Discharges from MS4 area Loss of Riparian Habitat Land Development	This stream is Category 5. The stream is impaired for one or more uses. However, EPA has approved a siltation/habitat alteration and organic enrichment TMDL for the known pollutants in this stream.
TN05130204 009 – 1211	FLATROCK BRANCH	Cheatham Davidson	3.5	Nutrients L	Municipal Point Source	Fairview STP. This stream is Category 5. The stream is impaired for one or more uses.
TN05130204 009 – 2000	HARPETH RIVER	Cheatham Davidson	18.8	Nutrients NA Low dissolved oxygen NA	Municipal Point Sources Discharges from MS4 area	This stream is Category 4A. The stream is impaired, but EPA has approved an organic enrichment TMDL for the known pollutants.
TN05130204 009 – 3000	HARPETH RIVER	Davidson Williamson	16.8	Nutrients NA Low dissolved oxygen NA	Municipal Point Sources Discharges from MS4 area	This stream is Category 4A. The stream is impaired, but EPA has approved an organic enrichment TMDL for the known pollutants.

**Final Version 2004 303(d) LIST (Harpeth River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130204 010 – 0600	ARKANSAS CREEK	Williamson	5.7	Escherichia coli L	Undetermined Source	This stream is Category 5. One or more uses are impaired.
TN05130204 013 – 0100	HATCHER SPRING CREEK	Williamson	6.5	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 013 – 0200	POLK CREEK	Williamson	8.8	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing Loss of Riparian Habitat	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 013 – 0300	UNNAMED TRIB TO WEST HARPETH CREEK	Williamson	1.8	Loss of biological integrity due to siltation NA	Highways, Roads, Bridge, Infrastructure Construction	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 013 – 0400	UNNAMED TRIB TO WEST HARPETH CREEK	Williamson	1.3	Loss of biological integrity due to siltation NA	Highways, Roads, Bridge, Infrastructure Construction	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 013 – 0500	KENNEDY CREEK	Williamson	4.8	Physical substrate habitat alterations NA Loss of biological integrity due to siltation NA	Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 013 – 0600	UNNAMED TRIB TO WEST HARPETH CREEK	Williamson	6.5	Loss of biological integrity due to siltation NA	Highways, Roads, Bridge, Infrastructure Construction	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 013 – 0710	RATTLESNAKE BRANCH	Williamson	6.5	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Nutrients NA	Loss of Riparian Vegetation Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses. However, EPA has approved a siltation/habitat alteration and organic enrichment TMDL for the known pollutants in this stream.

**Final Version 2004 303(d) LIST (Harpeth River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130204 013 – 0720	CAYCE BRANCH	Williamson	5.9	Physical substrate habitat alteration Loss of biological integrity due to siltation NA NA	Pasture Grazing Livestock in Stream	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 013 – 0730	WEST PRONG MURFREES FORK	Williamson	6.0	Low dissolved oxygen Escherichia coli L H	Pasture Grazing	Stream is Category 5. The stream is impaired for one or more uses.
TN05130204 013 – 0750	MURFREES FORK	Williamson	18.4	Loss of biological integrity due to siltation Escherichia coli NA H	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses. However, EPA has approved a siltation/ habitat alteration TMDL for some of the known pollutants in this stream.
TN05130204 013 – 1000	WEST HARPETH RIVER	Williamson	13.4	Low dissolved oxygen Loss of biological integrity due to siltation NA NA	Pasture Grazing	This stream is Category 4a. The stream is impaired, however, EPA has approved a siltation/ habitat alteration and organic enrichment TMDL for the known pollutants in this stream.
TN05130204 013 – 2000	WEST HARPETH RIVER	Williamson	10.9	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130204 013 – 3000	WEST HARPETH RIVER	Williamson	7.4	Habitat loss due to alteration in stream-side or littoral vegetative cover Physical substrate habitat alterations Loss of biological integrity due to siltation NA NA NA	Pasture Grazing Highways, Roads, Bridge, Infrastructure Construction	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 016 – 0100	LYNWOOD CREEK	Williamson	5.4	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA	Pasture Grazing Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 016 – 0200	SPENCER CREEK	Williamson	19.9	Loss of biological integrity due to siltation NA	Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.

**Final Version 2004 303(d) LIST (Harpeth River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130204 016 – 0300	WATSON BRANCH	Williamson	6.8	Loss of biological integrity due to siltation NA	Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 016 – 0800	STARNS CREEK	Williamson	10.0	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA	Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 016 – 1000	HARPETH RIVER	Williamson	6.8	Low dissolved oxygen Phosphate NA NA	Municipal Point Source Discharges from MS4 area	This stream is Category 4a. The stream is impaired, but EPA has approved an organic enrichment TMDL for the known pollutants.
TN05130204 016 – 1100	FIVEMILE CREEK	Williamson	14.4	Loss of biological integrity due to siltation Escherichia coli NA M	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses. However, EPA has approved a siltation/habitat alteration TMDL for some of the known pollutants in this stream.
TN05130204 016 – 1200	DONELSON CREEK	Williamson	3.4	Loss of biological integrity due to siltation NA	Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 016 – 1300	UNNAMED TRIB TO HARPETH RIVER	Williamson	4.0	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA	Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 016 – 1400	SPARKS CREEK	Williamson	4.9	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA	Discharges from MS4 area	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.

**Final Version 2004 303(d) LIST (Harpeth River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>	
TN05130204 016 – 2000	HARPETH RIVER	Williamson	3.9	Low Dissolved Oxygen Phosphate Loss of biological integrity due to siltation Escherichia coli	NA NA NA M	Discharges from MS4 area Highways, Roads, Bridges, Infrastructure Construction Pasture Grazing	This stream is Category 5. The stream is impaired, but EPA has approved a siltation/habitat alteration and organic enrichment TMDL for the known pollutants in this stream.
TN05130204 016 – 3000	HARPETH RIVER	Williamson	9.0	Low Dissolved Oxygen Loss of biological integrity due to siltation	NA NA	Pasture Grazing Removal of Riparian Vegetation	This stream is Category 4a. The stream is impaired, but EPA has approved a siltation/habitat alteration and organic enrichment TMDL for the known pollutants in this stream.
TN05130204 016 – 4000	HARPETH RIVER	Williamson	7.5	Low Dissolved Oxygen Loss of biological integrity due to siltation	NA NA	Pasture Grazing Removal of Riparian Vegetation	This stream is Category 4a. The stream is impaired, but EPA has approved a siltation/habitat alteration and organic enrichment TMDL for the known pollutants in this stream.
TN05130204 018 – 0200	CONCORD CREEK	Rutherford	15.1	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Pasture Grazing Removal of Riparian Habitat	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 018 – 0300	UNNAMED TRIB TO HARPETH RIVER	Rutherford	1.3	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 018 – 0400	KELLEY CREEK	Rutherford	9.3	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	NA NA M	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses. However, EPA has approved a siltation/habitat alteration TMDL for some of the known pollutants in this stream.
TN05130204 018 – 0500	CHEATHAM BRANCH	Rutherford	3.4	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Pasture Grazing	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.



Final Version 2004 303(d) LIST (Harpeth River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130204 018 – 2000	HARPETH RIVER	Rutherford	2.7	Lead NA	Industrial Point Source Discharge Contaminated Sediment	This stream is Category 4A. The stream is impaired, but EPA has approved a lead TMDL for the known pollutant.
TN05130204 018 – 3000	HARPETH RIVER	Rutherford	7.4	Low Dissolved Oxygen NA Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing Removal of Riparian Vegetation	This stream is Category 4a. It is impaired, but EPA has approved a siltation/ habitat alteration and organic enrichment TMDL for the known pollutants in this stream.
TN05130204 021 – 0100	OTTER CREEK	Davidson	4.6	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 021 – 0200	BEECH CREEK	Williamson	7.7	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Land Development	This stream is Category 4A. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 021 – 1000	LITTLE HARPETH RIVER	Davidson Williamson	4.1	Low dissolved oxygen NA Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli L	Land Development	This stream is Category 5. It is impaired for one or more uses. However, EPA has approved a siltation/ habitat alteration and organic enrichment TMDL for some of the known pollutants in this stream.

## Barkley Reservoir Watershed

This basin contains the following USGS Hydrologic Unit Code: 05130205 (Lake Barkley)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130205 015T - 1100	WALL BRANCH	Montgomery	4.8	Nutrients Escherichia coli L L	Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN05130205 015T - 1300	BRUSH CREEK	Montgomery	11.6	Loss of biological integrity due to siltation L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130205 015T - 1900	BUDDS CREEK	Montgomery	13.9	Loss of biological integrity due to siltation L Other Habitat Alterations L	Nonirrigated Crop Production Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130205 015T - 1910	ANTIOCH CREEK	Montgomery	15.8	Loss of biological integrity due to siltation L Other Habitat Alterations L	Nonirrigated Crop Production Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130205 020 - 1000	EAST FORK YELLOW CREEK	Montgomery	5.5	Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130205 038 - 2000	BIG MCADOO CREEK	Montgomery	5.8	Loss of biological integrity due to siltation L Nutrients L	Nonirrigated Crop Production Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130205 1735 - 1000	WELLS CREEK	Houston	9.9	Escherichia coli L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)

## Red River Watershed

This basin contains the following USGS Hydrologic Unit Code: 05130206

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130206 002 - 0100	DUNBAR CAVE CREEK	Montgomery	2.7	Loss of biological integrity due to siltation H Other Habitat Alterations H	Discharges from MS4 area Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130206 002 - 0200	ELK FORK CREEK	Robertson	3.9	Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130206 002 - 0700	SEVEN SPRINGS	Montgomery	1.1	Loss of biological integrity due to siltation H Nutrients M Pesticides L	Discharges from MS4 area Groundwater Loadings	Stream is Category 5. (One or more uses impaired.)
TN05130206 002 - 1000	RED RIVER	Montgomery	2.4	Loss of biological integrity due to siltation H Escherichia coli M Other Habitat Alterations H Nutrients M	Nonirrigated Crop Production Collection System Failure Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130206 002 - 2000	RED RIVER	Montgomery	22.9	Nutrients M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130206 002 - 3000	RED RIVER	Montgomery Robertson	17.5	Nitrates M	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Red River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE (Pollutant)</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130206 002 - 4000	RED RIVER	Robertson	4.5	Nitrates M	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN05130206 002 - 5000	RED RIVER	Robertson	3.3	Other Habitat Alterations H Nitrates M	Nonirrigated Crop Production Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 1100	WARTRACE CREEK	Robertson	6.8	Biological integrity loss due to undetermined cause L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 1220	UNNAMED TRIB TO CARR CREEK	Robertson	1.6	Nutrients L Thermal Modifications L Escherichia coli M	Minor Municipal Point Source	Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 3000	SULPHUR FORK	Robertson	1.9	Nutrients L Loss of biological integrity due to siltation H	Major Municipal Point Source Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130206 019 - 0321	FREY BRANCH	Robertson	7.2	Unionized Ammonia M Loss of biological integrity due to siltation H Escherichia coli M	Minor Municipal Point Source Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN05130206 019 - 0600	SMITH BRANCH	Robertson	4.1	Loss of biological integrity due to siltation H Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130206 024 - 0150	SUMMERS BRANCH	Robertson Sumner	12.6	Phosphate L Loss of biological integrity due to siltation H Escherichia coli M	Major Municipal Point Source Urbanized High Density Area	Impacts include Portland STP. Stream is Category 5. (One or more uses impaired.)
TN05130206 024 - 0200	BUNTIN BRANCH	Robertson Sumner	7.6	Loss of biological integrity due to siltation H Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130206 024 - 0300	AUSTIN BRANCH	Sumner	3.9	Loss of biological integrity due to siltation H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130206 024 - 0400	HALL TOWN CREEK	Sumner	6.4	Loss of biological integrity due to siltation H Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130206 024 - 0600	SOMERVILLE BRANCH	Robertson Sumner	4.3	Biological integrity loss due to undetermined cause L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN05130206 034 - 0110	RACCOON BRANCH	Montgomery	7.7	Loss of biological integrity due to siltation H Other Habitat Alterations H	Land Development Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN05130206 034 - 0100	FLETCHERS FORK	Montgomery	25.3	Other Habitat Alterations H	Habitat Modification	Stream is Category 5. (One or more uses impaired.)
TN05130206 034 - 0200	PINEY FORK	Stewart Montgomery	38.5	Loss of biological integrity due to siltation H	Habitat Modification	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Red River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE (Pollutant)</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130206 034 - 1000	LITTLE WEST FORK	Montgomery	7.2	Phosphate L Loss of biological integrity due to siltation H Low Dissolved Oxygen L	Major Municipal Point Source Habitat Modification	Stream is Category 5. (One or more uses impaired.)
TN05130206 039 - 0150	SPRING CREEK	Montgomery	22.5	Loss of biological integrity due to siltation H Nitrates M Other Habitat Alterations H	Nonirrigated Crop Production Removal of Riparian Vegetation Sources Outside State	Stream is Category 5. (One or more uses impaired.)
TN05130206 039 - 1000	WEST FORK RED RIVER	Montgomery	10.2	Loss of biological integrity due to siltation H Other Habitat Alterations H	Land Development	Stream is Category 5. (One or more uses impaired.)

**North Fork Holston River**

This basin contains the following USGS Hydrologic Unit Codes: 06010101 (North Fork Holston)

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010101 001 – 1000	NORTH FORK HOLSTON RIVER	Hawkins Sullivan	6.1	Mercury L	Industrial Point Source Source in Other State Contaminated Sediment	Stream is Category 5. Provides habitat for the federally listed mussel, five-rayed pigtoe ( <u>Fusconaia cuneolus</u> ) and fish, spottin chub ( <u>Cyprinella monacha</u> ). Advisory due to Hg historically discharged from Olin. EPA/VA should do TMDL.

**South Fork Holston River**

This basin contains the following USGS Hydrologic Unit Codes: 06010102 (South Fork Holston).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010102 001 – 0100	MADD BRANCH	Sullivan	2.7	Other Habitat Alterations L	Discharges from MS4 area Channelization	Stream is Category 5. (One or more uses impaired.)
TN06010102 001 – 1000	SOUTH FORK HOLSTON RIVER	Sullivan	5.5	Habitat loss due to stream flow alterations L Thermal modifications L	Upstream Impoundment	This stream is Category 5, impaired for one or more uses. Below Fort Patrick Henry, the river has been impacted by temperature and flow fluctuations.

Final Version 2004 303(d) LIST (South Fork Holston River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 001 – 2000	SOUTH FORK HOLSTON RIVER	Sullivan	2.4	Low dissolved oxygen L Habitat loss due to stream flow alterations L Thermal Modifications L	Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)
TN06010102 006 – 1000	BOONE RESERVOIR	Washington Sullivan	4400 ac	PCBs L Chlordane L	Contaminated Sediment	This stream is Category 5. The stream is impaired for one or more uses. Fishing advisory due to PCBs.
TN06010102 006T – 0100	GAMMON CREEK	Sullivan	3.8	Habitat loss due to alteration in stream-side or littoral vegetative cover H	Channelization Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010102 006T – 0200	WAGNER CREEK	Sullivan	5.5	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H Escherichia coli L	Pasture Grazing Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010102 006T – 0300	CANDY CREEK	Sullivan	3.2	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010102 012 – 0100	UNNAMED TRIB TO SOUTH FORK HOLSTON RIVER	Sullivan	2.0	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010102 012 – 0200	PADDLE CREEK	Sullivan	4.44	Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010102 012 – 0300	UNNAMED TRIB TO SOUTH FORK HOLSTON RIVER	Sullivan	3.89	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (South Fork Holston River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 012 – 0400	MORRELL CREEK	Sullivan	4.89	Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010102 012 – 0700	DRY CREEK	Sullivan	1.0	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H Escherichia coli L	Animal Feeding Operations (NPS)	Stream is Category 5. (One or more uses impaired.)
TN06010102 012 – 0800	INDIAN CREEK	Sullivan	1.86	Polycyclic Aromatic Hydrocarbons (PAHs) M	Other Spill Related Impacts	Stream is Category 5. (One or more uses impaired.)
TN06010102 012 – 0810	BIG ARM BRANCH	Sullivan	5.77	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H Escherichia coli L	Land Development Streambank Modification On-site Treatment Systems (Septic Tanks)	Stream is Category 5. (One or more uses impaired.)
TN06010102 012 – 0820	WOODS BRANCH	Sullivan	5.0	Polycyclic Aromatic Hydrocarbons (PAHs) H Escherichia coli L	Other Spill Related Impacts Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010102 012 – 0900	WEAVER BRANCH	Sullivan	5.9	Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010102 014 – 1000	SOUTH FORK HOLSTON RIVER	Sullivan	4.4	Habitat loss due to stream flow alterations L Thermal modifications L	Upstream Impoundment	Stream is Category 5. (One or more uses impaired.) Biological integrity of river impacted by discharges from South Holston Reservoir. TVA has attempted to mitigate dissolved oxygen and flow issues below the reservoir.
TN06010102 0250 – 0900	WATERS BRANCH	Johnson	1.82	Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010102 0250 – 2000	LAUREL CREEK	Johnson	3.8	Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010102 042 – 0200	BACK CREEK	Sullivan	14.1	Nitrates M Loss of biological integrity due to siltation H Physical Substrate Habitat Alterations H Escherichia coli L	Discharges from MS4 area Pasture Grazing Livestock in Stream Channelization	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (South Fork Holston River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010102 042 – 0400	LITTLE CREEK	Sullivan	0.3	Escherichia coli NA	Discharges from MS4 area Sources Outside State Borders	This stream is Category 4a. The stream is impaired for one or more uses. Almost the entire watershed for Little Creek is in Virginia. Virginia has completed a TMDL on this watershed and EPA has approved it.
TN06010102 042 – 0500	CEDAR CREEK	Sullivan	11.8	Nitrates M Loss of biological integrity due to siltation H Other Anthropogenic Habitat Alterations H Escherichia coli L	Discharges from MS4 Area Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010102 042 – 1000	BEAVER CREEK	Sullivan	11.1	Nitrates M Escherichia coli H	Discharges from MS4 Area Pasture Grazing	Stream is Category 5. (One or more uses impaired.) Water contact advisory.
TN06010102 042 – 2000	BEAVER CREEK	Sullivan	10.5	Habitat loss due to alteration in stream-side or littoral vegetative cover H Nitrates M Loss of biological integrity due to siltation H Escherichia coli H	Channelization Pasture Grazing Discharges from MS4 Area Sources Outside State Borders	Stream is Category 5. (One or more uses impaired.) Water contact advisory. Bacterial levels higher at stateline than further downstream.
TN06010102 046 – 0100	TRANSBARGER BRANCH	Sullivan	1.4	Other Anthropogenic Habitat Alterations H	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06010102 046 – 1000	REEDY CREEK	Sullivan	2.0	Loss of biological integrity due to siltation H Other Anthropogenic Habitat Alterations H	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06010102 237 – 1000	MUDDY CREEK	Sullivan	12.3	Loss of biological integrity due to siltation H Other Habitat alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010102 0540 – 0800	PAINT SPRING BRANCH	Sullivan	1.0	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010102 237 – 0100	BOOHER CREEK	Sullivan	7.2	Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

## Watauga River Basin

This basin contains the following USGS Hydrologic Unit Codes: 06010103 (Watauga River).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06010103 006 – 0100	CARROLL CREEK	Washington	4.3	Nitrates Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover	M H L	Discharges from MS4 area Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010103 006 – 1000	BOONES CREEK	Washington	19.31	Nitrates Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli	M H L	Discharges from MS4 area Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010103 008 – 0200	CAMPBELL BRANCH	Carter	3.0	Nitrates Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli	M H L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010103 008 – 0400	DAVIS BRANCH	Carter	5.9	Habitat loss due to stream flow alteration Habitat loss due to alteration in stream-side or littoral vegetative cover	M L	Discharges from MS4 area Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)
TN06010103 008 – 0800	GAP BRANCH	Carter	15.93	Habitat loss due to alteration in stream-side or littoral vegetative cover	L	Discharges from MS4 area Streambank Modification	Stream is Category 5. (One or more uses impaired.)
TN06010103 009 – 1000	BRUSH CREEK	Washington	20.3	Nutrients Loss of biological integrity due to siltation Other Anthropogenic Habitat Alterations	M H H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010103 013 – 0300	HAMPTON CREEK	Carter	6.2	Physical Substrate Habitat Alterations	L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN06010103 020T – 0200	SINK CREEK	Johnson	2.0	Habitat loss due to alteration in stream-side or littoral vegetative cover Nitrates Escherichia coli	L L L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)



**Final Version 2004 303(d) LIST (Watauga River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010103 034 – 0300	TOWN CREEK	Johnson	3.0	Solids Escherichia coli H NA	Municipal Point Source Discharge	This stream is Category 5. However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN06010103 034 – 0310	GOOSE CREEK	Johnson	15.4	Habitat loss due to alteration in stream-side or littoral vegetative cover L	Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010103 034 – 0320	FURNACE CREEK	Johnson	15.51	Habitat loss due to alteration in stream-side or littoral vegetative cover L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN06010103 034 – 1000	ROAN CREEK	Johnson	6.8	Loss of biological integrity due to siltation H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN06010103 034 – 2000	ROAN CREEK	Johnson	6.0	Nitrates Loss of biological integrity due to siltation Escherichia coli M H NA	Municipal Point Source Discharge Pasture Grazing	Stream is Category 5. (One or more uses impaired.) However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN06010103 037 – 0400	CAMPBELL CREEK	Johnson	10.8	Escherichia coli L	Septic Tanks Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010103 046 – 1000	SINKING CREEK	Washington Carter	10.0	Escherichia coli NA	Discharges from MS4 area Pasture Grazing	Water contact advisory. This stream is Category 4a. The stream is impaired, but EPA has approved a fecal coliform TMDL that addresses the known pollutants.
TN06010103 061 – 1000	REEDY CREEK	Washington	10.7	Nitrates Physical Substrate Habitat Alterations Loss of biological integrity due to siltation M L H	Discharges from MS4 area Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Watauga River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010103 635 – 0100	CASH HOLLOW CREEK	Washington	3.48	Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli L NA	Discharges from MS4 area	Water contact advisory. This stream is Category 5. The stream is impaired for one or more uses. However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN06010103 635 – 0200	COBB CREEK	Washington	4.5	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010103 635 – 1000	KNOB CREEK	Washington	12.13	Habitat loss due to alteration in stream-side or littoral vegetative cover Nitrates Loss of biological integrity due to siltation Escherichia coli L L L L	Discharges from MS4 area Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Holston River Basin**

This basin contains the following USGS Hydrologic Unit Codes: 06010104 (Holston River).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010104 001 - 0100	LOVE CREEK	Knox	9.7	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover L L	Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010104 001 - 0500	ROSEBERRY CREEK	Knox	20.0	Escherichia coli M	Pasture Grazing Septic Tanks	Stream is Category 5. (One or more uses impaired.)
TN06010104 001 - 0800	LOST CREEK	Jefferson	26.8	Loss of biological integrity due to siltation Escherichia coli L M	Pasture Grazing Septic Tanks	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Holston River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010104 001 - 1400	SWANPOND CREEK	Knox	16.3	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover L L	Land Development Channelization	Stream is Category 5. (One or more uses impaired.)
TN06010104 001 - 2000	HOLSTON RIVER	Grainger Jefferson	26.9	Low DO Habitat loss due to stream flow alteration L L	Upstream Impoundment	Stream is Category 5. (One or more uses impaired.) Provides habitat for the federally listed pink mucket pearly mussel ( <u>Lampsilis abrupta</u> ). Impacted by low DO releases from Cherokee Res. TVA has attempted to mitigate dissolved oxygen and flow issues below the reservoir. Reservoir Operations Study requires tailwater temps to be protective of listed species.
TN06010104 004T - 0600	UNNAMED TRIB TO RED HOUSE BR. EMBAYMENT	Hawkins	1.5	Loss of biological integrity due to siltation L	Resource Extraction	Category 5. (One or more uses impaired.)
TN06010104 004T - 0900	STOCK CREEK	Hawkins	4.2	Habitat loss due to alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010104 004T - 1150	CANEY CREEK	Hawkins	16.8	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010104 004T - 1200	CROCKETT CREEK	Hawkins	5.3	Loss of biological integrity due to siltation Escherichia coli L M	Land Development Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010104 004T - 2100	TURKEY CREEK	Hamblen	8.0	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli L M	Collection System Failure Discharges from MS4 area	Water contact advisory due to pathogens. Stream is Category 5. (One or more uses impaired.)
TN06010104 004T - 2400	MOSSY CREEK	Jefferson	9.1	Zinc Loss of biological integrity due to siltation Escherichia coli L M	Collection System Failure Discharges from MS4 area Resource Extraction	Stream is Category 5. (One or more uses impaired.)
TN06010104 011 - 0100	SINKING CREEK	Hawkins	2.7	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010104 011 - 0200	FORGEY CREEK	Hawkins	3.6	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Holston River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010104 011 - 0300	SURGOINSVILLE CREEK	Hawkins	7.0	Escherichia coli M	Pasture Grazing Septic Tanks	Stream is Category 5. (One or more uses impaired.)
TN06010104 011 - 0400	STONE POINT CREEK	Hawkins	13.1	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010104 011 - 0500	BRADLEY CREEK	Hawkins	9.2	Escherichia coli M	Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN06010104 011 - 0510	RENFROE CREEK	Hawkins	12.5	Escherichia coli M	Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN06010104 011 - 0700	HORD CREEK	Hawkins	8.9	Escherichia coli M	Discharges from MS4 area Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010104 011 - 0800	ALEXANDER CREEK	Hawkins	1.0	Biological integrity loss due to undetermined cause L Escherichia coli M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010104 011 - 0850	ALEXANDER CREEK	Hawkins	12.5	Escherichia coli M	Discharges from MS4 area Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010104 011 - 0900	SMITH CREEK	Hawkins	4.6	Habitat loss due to alteration in stream-side or littoral vegetative cover L Escherichia coli M	Discharges from MS4 area Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010104 011 - 1100	ARNOTT CREEK	Hawkins	2.8	Thermal Modifications L Habitat loss due to stream flow alterations L	Major Industrial Point Source	Stream is Category 5. (One or more uses impaired.)
TN06010104 011 - 1600	HUNT CREEK	Hawkins	7.7	Escherichia coli M	Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN06010104 019 - 0100	LITTLE FLAT CREEK	Knox	30.3	Escherichia coli M	Confined Animal Feeding Operations (NPS)	Stream is Category 5. (One or more uses impaired.)
TN06010104 019 - 2000	FLAT CREEK	Union Knox	2.8	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Hydromodification Dam Construction	Stream is Category 5. (One or more uses impaired.)

**Upper French Broad River Basin** This basin contains the following USGS Hydrologic Unit Codes: 06010105 (Upper French Broad) and 06010106 (Pigeon River),

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010105 001 - 0100	CLEAR CREEK	Cocke	28.0	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010105 003 – 1100	JOHNS CREEK	Cocke	5.0	Escherichia coli M	Septic Tanks	Water contact advisory due to pathogens. Stream is Category 5. (One or more uses impaired.)
TN06010105 003 – 1110	BAKER CREEK	Cocke	4.4	Escherichia coli M	Septic Tanks	Water contact advisory due to pathogens. Stream is Category 5. (One or more uses impaired.)
TN06010106 001 – 4000	PIGEON RIVER-	Cocke	5.0	Color M	Major Industrial Point Source Source in Other State	Fishing advisory lifted in 2003. Color from Blue Ridge Paper is still objectionable at times in this segment. NC or EPA should do TMDL. Stream is Category 5. (One or more uses impaired.)
TN06010106 001 – 1100	ENGLISH CREEK	Cocke	15.3	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010106 002 – 1000	SINKING CREEK	Cocke	6.8	Escherichia coli M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)

**Lower French Broad River Basin** This basin contains the following USGS Hydrologic Unit Codes: 06010107 (Lower French Broad)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010107 003 - 1000	BOYDS CREEK	Sevier	15.4	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010107 006 - 2000	FRENCH BROAD RIVER	Sevier	4.9	Low DO L Thermal Modifications L Habitat loss due to stream flow alteration L	Upstream Impoundment	Provides habitat for the federally listed fish, the snail darter ( <i>Percina tanasi</i> ). Segment impacted by Douglas Reservoir releases (low DO and flow alteration). Stream is Category 5. (One or more uses impaired.) TVA has attempted to mitigate dissolved oxygen issues below the reservoir.

**Final Version 2004 303(d) LIST (Lower French Broad River cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Partial</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010107 007 – 1000 & 2000	LITTLE PIGEON RIVER	Sevier	5.9	Escherichia coli M	Septic Tanks Collection System Failure	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN06010107 007 - 1650	MIDDLE CREEK	Sevier	3.3	Biological integrity loss due to undetermined cause L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN06010107 010 - 0100	GNATTY BRANCH	Sevier	1.8	Escherichia coli M	Septic Tanks	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN06010107 010 - 0200	KING BRANCH	Sevier	2.5	Escherichia coli M	Septic Tanks	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN06010107 010 – 0300	BEECH BRANCH	Sevier	1.0	Escherichia coli M	Septic Tanks	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN06010107 010 – 0400	DUDLEY CREEK	Sevier	5.7	Escherichia coli M	Septic Tanks	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN06010107 010 - 0500	ROARING FORK	Sevier	1.5	Escherichia coli M	Collection System Failure	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN06010107 010 - 0600	BASKINS CREEK	Sevier	1.3	Escherichia coli M	Collection System Failure	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN06010107 010 - 1000	WEST PRONG LITTLE PIGEON RIVER	Sevier	8.1	Escherichia coli M Loss of biological integrity due to siltation M	Septic Tanks Collection System Failure Land Development Channelization	Water contact advisory due to pathogens. Development between Sevierville and Pigeon Forge adding silt to river. Stream is Category 5. (One or more uses impaired.)
TN06010107 010 - 1300	HOLY BRANCH	Sevier	1.0	Escherichia coli M	Collection System Failure	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN06010107 010 - 1800	MILL CREEK	Sevier	5.9	Physical Substrate Habitat Alterations M Escherichia coli M	Collection System Failure Channelization	Stream is Category 5. (One or more uses impaired.)
TN06010107 010 – 1900	WALDEN CREEK	Sevier	2.6	Loss of biological integrity due to siltation M Escherichia coli M	Pasture Grazing Land Development Septic Tanks	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Lower French Broad River cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Partial</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010107 010 - 1950	WALDEN CREEK	Sevier	8.6	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M L	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010107 010 - 2000	WEST PRONG LITTLE PIGEON RIVER	Sevier	5.7	Biological integrity loss due to undetermined cause Escherichia coli M M	Septic Tanks Collection System Failure Discharges from MS4 area	Water contact advisory due to pathogens. Stream is Category 5. (One or more uses impaired.)
TN06010107 010 - 3000	WEST PRONG LITTLE PIGEON RIVER	Sevier	5.4	Escherichia coli M	Septic Tanks Collection System Failure	Water contact advisory due to pathogens. Stream is Category 5. (One or more uses impaired.)
TN06010107 029T - 0400	LEADVALE CREEK	Jefferson	4.4	Escherichia coli M	Pasture/Grazing	Water contact advisory due to pathogens. Stream is Category 5. (One or more uses impaired.)
TN06010107 029T - 1100	CLEAR CREEK	Jefferson	3.3	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010107 029T - 1150	CLEAR CREEK	Jefferson Cocke	13.6	Nutrients Escherichia coli M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010107 038 - 1000	DUMPLIN CREEK	Jefferson Sevier	19.1	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations M M	Pasture Grazing Land Development Channelization	Stream is Category 5. (One or more uses impaired.)

**Nolichucky River** This basin contains the following USGS Hydrologic Unit Codes: 06010108 (Nolichucky River)

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010108 001 - 0100	FLAT CREEK	Hamblen	4.9	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 001 - 0110	ROBINSON CREEK	Hamblen	3.4	Loss of biological integrity due to siltation M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 001 - 0200	TURKEY CREEK	Hamblen	5.8	Loss of biological integrity due to siltation M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 001 - 1000	NOLICHUCKY RIVER	Hamblen Cocke	4.0	Loss of biological integrity due to siltation Escherichia coli M M	Agriculture Source in Other State	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Nolichucky River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 001 - 2000	NOLICHUCKY RIVER	Hamblen Cocke	7.7	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) Provides habitat for the federally listed oyster mussel ( <i>Epioblasma capsaeformis</i> ) and the fish, the snail darter ( <i>Percina tanasi</i> ).
TN06010108 001 - 3000	NOLICHUCKY RIVER	Greene Cocke	9.0	Loss of biological integrity due to siltation M	Agriculture Source in Other State	Stream is Category 5. (One or more uses impaired.) Provides habitat for the federally listed snail darter ( <i>Percina tanasi</i> ).
TN06010108 005 - 0310	PRIVET BRANCH	Greene	1.4	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 005 - 0500	GREGG BRANCH	Greene	2.7	Loss of biological integrity due to siltation M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 005 - 0710	SHELTON BRANCH	Greene	3.0	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)
TN06010108 005 - 0800	KYKER BRANCH	Greene	2.5	Loss of biological integrity due to siltation M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 005 - 1000	NOLICHUCKY RIVER	Greene	9.4	Loss of biological integrity due to siltation M	Agriculture Source in Other State	Stream is Category 5. (One or more uses impaired.)
TN06010108 005 - 1121	RADER BRANCH	Cocke	2.0	Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 005 - 2000	NOLICHUCKY RIVER	Greene Cocke	6.6	Loss of biological integrity due to siltation M Escherichia coli M	Agriculture Source in Other State	Stream is Category 5. (One or more uses impaired.)
TN06010108 005 - 3000	NOLICHUCKY RIVER	Greene Cocke	6.4	Loss of biological integrity due to siltation M	Agriculture Source in Other State	Stream is Category 5. (One or more uses impaired.)
TN06010108 007 - 1000	MEADOW CREEK	Greene Cocke	23.4	Escherichia coli M	Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN06010108 009 - 0300	CEDAR CREEK	Greene	5.4	Loss of biological integrity due to siltation M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 009 - 1000	COVE CREEK	Greene	29.7	Loss of biological integrity due to siltation M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)



**Final Version 2004 303(d) LIST (Nolichucky River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010108 010 - 0200	HOLLEY CREEK	Greene Washington	8.5	Loss of biological integrity due to siltation M	Land Development Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 0300	COLLEGE CREEK	Greene Washington	9.3	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 0400	MOON CREEK	Greene Washington	8.7	Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 0500	PUDDING CREEK	Greene Washington	5.5	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 0750	RHEATOWN CREEK	Greene Washington	6.7	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 0800	HICE CREEK	Greene	2.1	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 0900	SNAPP BRANCH	Greene	1.9	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 – 1000, 2000 & 3000	NOLICHUCKY RIVER	Greene Washington	38.5	Loss of biological integrity due to siltation M	Agriculture Source in Other State	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 1100	ASBURY CREEK	Greene	3.0	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 1200	KNAVE BRANCH	Greene	4.6	Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Nolichucky River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 010 - 1300	KEPLINGER CREEK	Washington	5.3	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 1400	LEBANON BRANCH	Greene	1.9	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 1900	MARTINS CREEK	Unicoi	8.3	Habitat loss due to alteration in stream-side or littoral vegetative cover M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 1910	SPRING CREEK	Unicoi	1.7	Habitat loss due to alteration in stream-side or littoral vegetative cover M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 3100	KATY BRANCH	Washington	0.8	Loss of biological integrity due to siltation M	Agriculture	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 3600	MOORE BRANCH	Washington	7.7	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 3800	WOLF BRANCH	Greene	1.3	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 6000	NOLICHUCKY RIVER	Unicoi	3.2	Loss of biological integrity due to siltation M	Source in Other State	Stream is Category 5. (One or more uses impaired.) Provides habitat for the federally listed Appalachian elktoe ( <i>Alasmidonta rayeneliana</i> ). North Carolina or EPA should do the TMDL for this section of the river.
TN06010108 029 - 0300	SCIOTO CREEK	Unicoi	14.8	Loss of biological integrity due to siltation M	Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010108 029 - 0900	TATE SPRINGS	Unicoi	1.0	Suspended Solids M	Aquaculture	Stream is Category 5. (One or more uses impaired.)
TN06010108 029 - 1000	NORTH INDIAN CREEK	Unicoi	8.0	Loss of biological integrity due to siltation M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Nolichucky River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010108 030 - 0100	CEDAR CREEK	Greene	3.3	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0200	JOCKEY CREEK	Greene	8.0	Nitrate Loss of biological integrity due to siltation Escherichia coli M M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0210	SPLATTER CREEK	Greene	3.6	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0220	CARSON CREEK	Greene Washington	17.9	Nitrate Loss of biological integrity due to siltation Escherichia coli M M M	Pasture Grazing Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0300	KEEBLER BRANCH	Washington	7.4	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0400	CLEAR FORK	Washington	12	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0420	UNNAMED TRIB TO CLEAR FORK	Washington	6.9	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0430	MUDDY FORK	Washington	23.8	Escherichia coli M	Agriculture	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0431	LEESBURG BRANCH	Washington	3.4	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 1000	BIG LIMESTONE CREEK	Greene Washington	3.1	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Nolichucky River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 030 - 2000	BIG LIMESTONE CREEK	Washington	8.8	Phosphorus M Nitrate M Loss of biological integrity due to siltation M Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 033 - 0100	BUFFALO CREEK	Greene	3.0	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 033 - 1000	PIGEON CREEK	Greene	8.8	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 0200	POTTER CREEK	Greene	15.3	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 0400	MUD CREEK	Greene	4.4	Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 0700	LICK BRANCH	Greene	1.2	Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 0900	PUNCHEON CAMP CREEK	Greene	11.5	Nutrients M Loss of biological integrity due to siltation M Escherichia coli M	Agriculture	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 1000	LICK CREEK	Greene	3.9	Nutrients M Loss of biological integrity due to siltation M Other Habitat Alterations M Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 1110	BABB CREEK	Greene	4.6	Other Habitat Alterations M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 1400	GARDINER CREEK	Greene	5.4	Other Habitat Alterations M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 1410	WATTENBARGER CREEK	Greene	5.3	Other Habitat Alterations M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 1800	PYBORN CREEK	Greene	6.4	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Nolichucky River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010108 035 – 1900	CLEAR CREEK	Greene Washington	19.9	Loss of biological integrity due to siltation M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2000	LICK CREEK	Greene	2.3	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2300	HORSE FORK	Greene	1.6	Other Habitat Alterations M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2310	UNION TEMPLE CREEK	Greene	23.9	Loss of biological integrity due to siltation M Other Habitat Alterations M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2320	DAVIS CREEK	Greene	2.8	Loss of biological integrity due to siltation M Other Habitat Alterations M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2400	HOODLEY BRANCH	Greene	5.3	Other Habitat Alterations M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2521	POSSUM CREEK	Greene	7.5	Other Habitat Alterations M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2800	MINK CREEK	Greene	9.1	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2810	POND CREEK	Greene	2.2	Other Habitat Alterations M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2900	FOX BRANCH	Greene	1.5	Other Habitat Alterations M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 3000	LICK CREEK	Greene	7.4	Nutrients M Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 4000	LICK CREEK	Greene	4.9	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 5000, 6000 & 7000	LICK CREEK	Greene	36.1	Nutrients M Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 8000	LICK CREEK	Greene	7.2	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

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<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010108 035 - 9000	LICK CREEK	Greene	7.7	Nutrients Loss of biological integrity due to siltation Escherichia coli M M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 042 - 0100	HALE BRANCH	Hamblen	7.1	Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 042 - 0110	SLOP CREEK	Hamblen	1.7	Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 042 - 0600	MUD CREEK	Hamblen Hawkins	8.2	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 042 - 0612	COLDSPRING BRANCH	Hawkins	1.1	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 042 - 1000	BENT CREEK	Hamblen	13.7	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 043 - 0200	CRIDER CREEK	Hamblen	6.2	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 043 - 0300	SARTAIN CREEK	Jefferson Hamblen	4.4	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 043 - 0310	CARTER BRANCH	Jefferson Hamblen	3.5	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN06010108 043 - 0400	CEDAR CREEK	Hamblen Jefferson	7.5	Loss of biological integrity due to siltation M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 043 - 1000	LONG CREEK	Jefferson Hamblen	13.5	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 064 - 1000 & 2000	SINKING CREEK	Greene	23.4	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 088 - 0200	ALEXANDER CREEK	Greene	2.8	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 102 - 0100	UNNAMED TRIB TO RICHLAND CREEK	Greene	3.0	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 102 - 0200	SIMPSON CREEK	Greene	3.0	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 102 - 0300	TIPTON CREEK	Greene	3.0	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 102 - 0400	EAST FORK RICHLAND CREEK	Greene	5.0	Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 102 - 2000	RICHLAND CREEK	Greene	6.1	Nutrients M Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M Escherichia coli M	Pasture Grazing Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010108 456 - 0200	DRY CREEK	Greene	3.3	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M	Resource Extraction	Stream is Category 5. (One or more uses impaired.)
TN06010108 510 - 0100	BROWN BRANCH	Washington	8.3	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)

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<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010108 510 - 0200	BACON BRANCH	Washington	4.6	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 510 - 0300	FEIST BRANCH	Washington	2.3	Loss of biological integrity due to siltation M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 510 - 0400	HOMINY CREEK	Washington	7.0	Nitrate Escherichia coli M M	Agriculture	Stream is Category 5. (One or more uses impaired.)
TN06010108 510 - 0500	ONION CREEK	Washington	4.0	Loss of biological integrity due to siltation M	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010108 510 - 1000	LITTLE LIMESTONE CREEK	Washington	8.0	Nitrate Escherichia coli M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 510 - 2000	LITTLE LIMESTONE CREEK	Washington	13.5	Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 536 - 0100	LOYD CREEK	Washington	4.2	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 536 - 0200	LITTLE CHEROKEE CREEK	Washington	7.2	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010108 536 – 1000 & 2000	CHEROKEE CREEK	Washington	20.8	Loss of biological integrity due to siltation M	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010108 DCROCKET T – 1000	DAVY CROCKETT RESERVOIR	Greene	383 ac	Loss of biological integrity due to siltation M	Agriculture Source in Other State	Stream is Category 5. (One or more uses impaired.)
TN06010108 DCTRIBS- 0100	MUTTON CREEK	Greene	1.7	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 DCTRIBS – 0200	JOHNSON CREEK	Greene	1.4.	Loss of biological integrity due to siltation M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)



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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 DCTRIBS – 0500	MUD CREEK	Greene	21.4	Loss of biological integrity due to siltation M	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010108 DCTRIBS – 0600	FLAG BRANCH	Greene	5.8	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)

**Upper Tennessee River Basin** This basin contains the following USGS Hydrologic Unit Codes: 06010201 (Watts Bar Res., Fort Loudoun Res., and Little River).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 001 - 0100	WATTS BAR RESERVOIR (CLINCH RIVER ARM)	Roane	1,000 ac	Chlordane Mercury PCBs L L L	Industrial Point Source Discharge Contaminated sediments	Fishing advisory due to PCBs. This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 001 - 1000	WATTS BAR RESERVOIR	Rhea Roane Meigs	34075 ac	PCBs L	Contaminated sediments	Fishing advisory due to PCBs. This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 001 – 2000	UPPER WATTS BAR RESERVOIR Sweetwater Creek to Fort Loudoun Dam.	Loudon	1790 ac	Low DO PCBs L L	Upstream Impoundment Contaminated Sediment	Fishing advisory due to PCBs. This stream is Category 5. The stream is impaired for one or more uses. Provides habitat for the federally listed fish, snail darter ( <u>Percina tanasi</u> ) and the following mussels: orange-foot pimpleback pearly mussel ( <u>Plethobasus cooperianus</u> ) and pink mucket pearly mussel ( <u>Lampsilis abrupta</u> ). TVA has attempted to mitigate dissolved oxygen issues below Fort Loudoun dam by injecting oxygen into the forebay.

**Final Version 2004 303(d) LIST (Upper Tennessee River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010201 011 - 1000	PAINT ROCK CREEK	Roane	12.2	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 013 - 0100	MUD CREEK	Loudon Monroe	7.2	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 013 - 0200	GREASY BRANCH	Loudon Monroe	7.3	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 013 - 1000	POND CREEK	Loudon Monroe	11.1	Nitrates M Physical Substrate Habitat Alteration M Escherichia coli H	Pasture Grazing Livestock in Stream Animal Feeding Operations (NPS)	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 013 - 2000	POND CREEK	Loudon Monroe	10.0	Nitrates M Escherichia coli H	Pasture Grazing Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN06010201 015 - 0100	BACON CREEK	Loudon Monroe	10.2	Escherichia coli H	Pasture Grazing Animal Feeding Operations (NPS)	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 015 - 1000	SWEETWATER CREEK	Loudon Monroe	29.3	Nitrates M Loss of biological integrity due to siltation H Escherichia coli H	Municipal Point Source Discharge Channelization Pasture Grazing Land Development Animal Feeding Operation (NPS)	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 020 - 1000	FORT LOUDOUN RESERVOIR	Knox Loudon	14600 ac	PCBs L	Contaminated Sediment	Fishing advisory due to PCBs. Stream is Category 5. (One or more uses impaired.)
TN06010201 022 - 1000	GALLAGHER CREEK	Blount	13.2	Loss of biological integrity due to siltation H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 026 - 0100	RODDY BRANCH	Blount Knox	6.4	Habitat loss due to alteration in stream-side or littoral vegetative cover H Physical Substrate Habitat Alteration M Loss of biological integrity due to siltation H Escherichia coli H	Pasture Grazing Channelization Removal of Riparian Habitat	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 026 - 0200	CANEY BRANCH	Blount	2.0	Physical Substrate Habitat Alteration M	Sand, Gravel, Rock Mining or Quarries	Stream is Category 5. (One or more uses impaired.)
TN06010201 026 - 0300	HOLLYBROOK BRANCH	Blount	2.78	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 026 – 0400	PISTOL CREEK	Blount	7.66	Loss of biological integrity due to siltation Escherichia coli H H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010201 026 – 0410	SPRINGFIELD BRANCH	Blount	5.48	Loss of biological integrity due to siltation H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010201 026 – 0420	BROWN CREEK	Blount	24.7	Habitat loss due to alteration in stream-side or littoral vegetative cover Nitrates Loss of biological integrity due to siltation H M H	Discharges from MS4 area Land Development	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 026 – 0430	LAUREL BANK BRANCH	Blount	22.72	Loss of biological integrity due to siltation Escherichia coli H H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010201 026 – 0500	RUSSELL BRANCH	Blount	3.0	PCBs Loss of biological integrity due to siltation L H	Contaminated Sediment RCRA Hazardous Waste Discharges from MS4 area	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 026 – 1000	LITTLE RIVER	Blount	7.1	PCBs L	Contaminated Sediment	Fishing advisory due to PCBs. Stream is Category 5. (One or more uses impaired.)
TN06010201 026 – 2000	LITTLE RIVER	Blount		This 17.63 mile section of the Little River has been identified as "threatened" due to a documented decline in diversity at biological stations at miles 7.6 and 9.6. The specific stressor is undetermined. TMDL priority: Low.		Stream is Category 5. (One or more uses impaired.) Provides habitat for the federally listed snail darter ( <i>Percina tanasi</i> ) and duskytail darter ( <i>Etheostoma percnurum</i> ), plus the fine-rayed pigtoe ( <i>Fusconaia cuneolus</i> ).
TN06010201 027 – 0300	ROCKY BRANCH	Blount	4.04	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation H H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 027 – 0400	PEPPERMINT BRANCH	Blount	2.7	Loss of biological integrity due to siltation H	Discharges from MS4 area Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 028 – 0100	SPICEWOOD BRANCH	Blount	2.23	Loss of biological integrity due to siltation H	Streambank Modifications	Stream is Category 5. (One or more uses impaired.)
TN06010201 028 – 0300	SOUTH FORK CROOKED CREEK	Blount	8.21	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation H H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 028 – 0500	FLAG BRANCH	Blount	7.8	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H	Pasture Grazing Discharges from MS4 area	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 028 – 1000	CROOKED CREEK	Blount	13.91	Loss of biological integrity due to siltation H Escherichia coli H	Pasture Grazing Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN06010201 032 –0800	SHORT CREEK	Blount	10.7	Escherichia coli H	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN06010201 032 – 0810	TIPTON BRANCH	Blount	2.5	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H	Upstream Impoundments	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 033-0100	LITTLE ELLEJOY CREEK	Blount	14.7	Nitrate M Escherichia coli H	Pasture Grazing Animal Feeding Operations	Stream is Category 5. (One or more uses impaired.)
TN06010201 033 – 0200	PITNER CREEK	Blount	13.5	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 033 – 0400	SOUTH FORK ELLEJOY CREEK	Sevier	2.02	Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 033 – 0500	CARTER BRANCH	Sevier	4.63	Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 033 - 1000	ELLEJOY CREEK	Blount	14.78	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 033 - 2000	ELLEJOY CREEK	Blount	5.37	Nitrates H Loss of biological integrity due to siltation H Escherichia coli H	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 034 - 0200	WILDWOOD BRANCH	Blount	6.26	Habitat loss due to alteration in stream-side or littoral vegetative cover H Escherichia coli H	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 034 – 1000	NAILS CREEK	Blount Sevier	24.5	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 037 – 1000	LITTLE TURKEY CREEK	Knox	14.0	Loss of biological integrity due to siltation H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 040 – 0600	BLACK CREEK	Roane	16.7	Polycyclic Aromatic Hydrocarbons (PAHs) L Nutrients M Physical Substrate Habitat Alterations H Escherichia coli H	Municipal Point Source Discharges Collection System Failures RCRA Hazardous Waste Channelization	CERCLA site discharging PAHs. This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 065 – 1000	STEEKEE CREEK	Loudon	11.0	Physical Substrate Habitat Alterations H Loss of biological integrity due to siltation H Escherichia coli H	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 066 – 0100	CASTEEL BRANCH	Knox	2.0	Loss of biological integrity due to siltation H	Pasture Grazing Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010201 066 – 0200	TWIN BRANCH	Knox	1.87	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H	Pasture Grazing Discharges from MS4 area	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 066 – 0400	GRANDVIEW BRANCH	Knox	1.7	Escherichia coli H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010201 066 – 0500	McCALL BRANCH	Knox	1.73	Loss of biological integrity due to siltation H	Discharges from MS4 area Streambank Modification	Stream is Category 5. (One or more uses impaired.)
TN06010201 066 – 0600	HIGH BLUFF BRANCH	Knox	1.25	Escherichia coli H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010201 066 – 1000	STOCK CREEK	Knox	3.77	Physical Substrate Habitat Alterations H Loss of biological integrity due to siltation H Escherichia coli H	Pasture Grazing Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 066 – 1200	GUN HOLLOW BRANCH	Knox	1.36	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 066 – 2000	STOCK CREEK	Knox	1.98	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 067 – 1000	THIRD CREEK	Knox	20.7	Nitrates M Loss of biological integrity due to siltation H Other Anthropogenic Habitat Alterations H Escherichia coli NA	Discharges from MS4 area Urbanized High Density Area Land Development Collection System Failure	Water contact advisory due to pathogens. This stream is Category 5. The stream is impaired for one or more uses. However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 080 – 0100	WHITES CREEK	Knox	10.2	Other Anthropogenic Habitat Alterations Escherichia coli H H	Discharges from MS4 area Streambank Modification	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 080 – 1000	FIRST CREEK	Knox	16.1	Nitrates Loss of biological integrity due to siltation Other Anthropogenic Habitat Alterations Escherichia coli M H H NA	Discharges from MS4 area Urbanized High Density Area Collection System Failure	Water contact advisory. This stream is Category 5. The stream is impaired for one or more uses. However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN06010201 083 – 1000	FLOYD CREEK	Loudon Blount	7.7	Loss of biological integrity due to siltation Escherichia coli H H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 087 – 1000	HINES CREEK	Loudon Roane	20.3	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 097- 1000	SECOND CREEK	Knox	12.8	Other Anthropogenic Habitat Alterations Nitrates Loss of biological integrity due to siltation Escherichia coli H H NA	Discharges from MS4 area Urbanized High Density Area Collection System Failure	Water contact advisory. Stream is Category 5. (One or more uses impaired.) However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN06010201 0340 – 1000	TURKEY CREEK	Knox	15.8	Loss of biological integrity due to siltation Escherichia coli H H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010201 1015 – 1000	CLOYD CREEK	Loudon	11.3	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli H H H	Pasture Grazing Livestock in Stream	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 1149 – 1000	POLECAT CREEK	Loudon	13.1	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010201 1330 – 1000	SINKING CREEK	Knox	1.5	Escherichia coli H	Discharges from MS4 area	Water contact advisory. Stream is Category 5. (One or more uses impaired.)
TN06010201 1330 – 2000	SINKING CREEK	Knox	21.9	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation H H	Discharges from MS4 area	This stream is Category 5. The stream is impaired for one or more uses.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 1620 – 1000	CARDIFF CREEK	Roane	3.8	Chrome, hexavalent pH L L	CERCLA site	Hexavalent chrome levels exceed acute criteria in this stream. This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 1621 – 1000	CANEY CREEK	Roane	13.2	Physical Substrate Habitat Alteration Loss of biological integrity due to siltation Escherichia coli L H M	Pasture Grazing Collection System Failure	This stream is Category 5. The stream is impaired for one or more uses.
TN06010201 1697 – 1000	FOURTH CREEK	Knox	14.9	Physical Substrate Habitat Alterations Escherichia coli H NA	Discharges from MS4 area Channelization	Stream is Category 5. (One or more uses impaired.) However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN06010201 1719 – 1000	WILLIAMS CREEK	Knox	2.8	Other Anthropogenic Habitat Alterations Escherichia coli H NA	Discharges from MS4 area Collection System Failure	Stream is Category 5. (One or more uses impaired.) However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN06010201 1721 – 1000	BAKER CREEK	Knox	3.3	Nitrates Other Anthropogenic Habitat Alterations Escherichia coli M H NA	Discharges from MS4 area Collection System Failure	Stream is Category 5. (One or more uses impaired.) However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN06010201 1723 – 1000	GOOSE CREEK	Knox	4.9	Loss of biological integrity due to siltation Other Anthropogenic Habitat Alterations PCBs Escherichia coli H H L NA	Collection System Failure Discharges from MS4 area RCRA Hazardous Waste	Water contact advisory due to pathogens. Witherspoon Superfund site. Stream is Category 5. (One or more uses impaired.) However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN06010201 1983 – 1000	POLECAT CREEK	Blount	1.85	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation H H	Land Development Channelization	This stream is Category 5. The stream is impaired for one or more uses.

**Little Tennessee River Basin** This basin contains the following USGS Hydrologic Unit Codes: 06010204 (Little Tennessee River).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010204 001 - 1000	TELLICO RESERVOIR	Loudon Monroe	16500 ac	PCBs L	Contaminated Sediment	Fishing advisory-PCBs in catfish. The Tellico River was once habitat for the federally listed snail darter ( <i>Percina tanasi</i> ). This stream is Category 5. The stream is impaired for one or more uses.
TN06010204 002 - 1000	FORK CREEK	Loudon Monroe	19.3	Nitrate Loss of biological integrity due to siltation Escherichia coli L H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010204 004 - 1000	BAT CREEK	Monroe	19.1	Escherichia coli H	Minor Municipal Point Source Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010204 020 - 1000	LITTLE TENNESSEE RIVER	Monroe Blount	1.1	Habitat loss due to stream flow alteration L	Upstream Impoundment	Flow is diverted around this section of the Little Tennessee River below Calderwood Reservoir. This stream is Category 5. The stream is impaired for one or more uses.
TN06010204 042 - 1000	NINEMILE CREEK	Blount	17.1	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010204 043 - 1000	BAKER CREEK	Blount Loudon	39.9	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010204 045 - 1000	NOTCHY CREEK	Monroe	11.2	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Upper Clinch River** This basin contains the following USGS Hydrologic Unit Codes: 06010205 (Upper Clinch River).

Waterbody ID	Impacted Waterbody	County	Miles Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010205 013 - 0500	GREASY ROCK CREEK	Hancock	5.7	Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli H M	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010205 013 - 0620	EAST FORK PAIN'THER CREEK	Hancock	5.5	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010205 013 - 0710	SWEET CREEK	Hancock	4.3	Escherichia coli M	Septic Tanks	Stream is Category 5. (One or more uses impaired.)



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<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010205 014 - 0400	FLAT GAP CREEK	Hancock Hawkins	5.5	Biological integrity loss due to undetermined cause L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN06010205 016 - 0100	NORTH FORK CLINCH RIVER	Hancock	1.7	Escherichia coli M	Sources Outside of State	Stream is Category 5. (One or more uses impaired.) Virginia should do TMDL for this stream.
TN06010205 016 - 0400	MILL CREEK	Hancock Hawkins	5.1	Escherichia coli M	Septic Tanks	Stream is Category 5. (One or more uses impaired.)
TN06010205 064 - 1000	BIG CREEK	Campbell	1.2	Biological integrity loss due to undetermined cause L Nutrients L	Minor Municipal Point Source	Stream is Category 5. (One or more uses impaired.)
TN06010205 064 - 2000	BIG CREEK	Campbell	1.9	Nutrients L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)

**Upper Powell River**

This basin contains the following USGS Hydrologic Unit Codes: 06010206 (Powell River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010206 006 - 0310	UNNAMED TRIB TO BLAIRS CREEK	Claiborne	1.8	Loss of biological integrity due to siltation M	Hwy/Road/Bridge Construction	Stream is Category 5. (One or more uses impaired.)
TN06010206 008 - 2000	RUSSELL CREEK	Claiborne	7.0	Nutrients M Loss of biological integrity due to siltation M	Discharges from MS4 area	Tazewell area impacts. Stream is Category 5. (One or more uses impaired.)
TN06010206 026 - 0100	CAWOOD BRANCH	Claiborne	5.2	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010206 026 - 0200	RUSSELL BRANCH	Claiborne	3.5	Nitrate M Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010206 026 - 1000	DAVIS CREEK	Campbell Claiborne	8.0	Nutrients M Loss of biological integrity due to siltation M Escherichia coli M	Confined Animal Feeding Operation (point and nonpoint)	Dairy operations. Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Upper Powell River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>	
TN06010206 026 - 2000	DAVIS CREEK	Claiborne	5.1	Nitrate Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli	M M M M	Pasture Grazing Confined Animal Feeding Operation (nonpoint)	Dairy operations. Stream is Category 5. (One or more uses impaired.)
TN06010206 026 - 3000	DAVIS CREEK	Claiborne	3.6	Nitrate Loss of biological integrity due to siltation Escherichia coli	M M M	Pasture Grazing Confined Animal Feeding Operation (nonpoint)	Dairy operations. Stream is Category 5. (One or more uses impaired.)
TN06010206 026 - 4000	DAVIS CREEK	Claiborne	2.6	Nutrients Loss of biological integrity due to siltation Escherichia coli	M M M	Pasture Grazing Confined Animal Feeding Operation (nonpoint)	Dairy operations. Stream is Category 5. (One or more uses impaired.)

**Lower Clinch River**

This basin contains the following USGS Hydrologic Unit Codes: 06010207 (Clinch River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>	
TN06010207 001 - 1000	WATTS BAR RESERVOIR, CLINCH RIVER ARM	Roane	2336 ac	PCBs Chlordane Mercury	L L L	Industrial Point Source Contaminated Sediments	Fishing advisory due to PCBs. DOE Reservation impacts. Mercury is metal of concern. Stream is Category 5. (One or more uses impaired.)
TN06010207 004 - 0100	GRABLE BRANCH	Knox	1.3	Oil & Grease Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover	L L M	Minor Industrial Point Source Channelization Industrial Permitted Runoff Discharges from MS4 area	Truck stops near I-40. Stream is Category 5. (One or more uses impaired.)
TN06010207 006 - 1000	MELTON HILL RESERVOIR	Anderson	5690 ac	PCBs Chlordane	L L	Contaminated Sediment	Fishing advisory due to PCBs and chlordane. Stream is Category 5. (One or more uses impaired.)
TN06010207 011 - 0500	HINES BRANCH	Knox	3.2	Habitat loss due to alteration in stream-side or littoral vegetative cover	M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Clinch River cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE /TMDL Priority	Pollutant Source	COMMENTS
TN06010207 011 – 0600	KNOB FORK	Knox	8.1	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010207 011 – 0700	GRASSY CREEK	Knox	8.2	Loss of biological integrity due to siltation M	Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010207 011 – 0800	MEADOW CREEK	Knox	5.0	Loss of biological integrity due to siltation M	Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010207 011 – 1000	BEAVER CREEK	Knox	22.5	Phosphorus Nitrate Escherichia coli Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M M	Major Municipal Point Source Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010207 011 – 2000 & 3000	BEAVER CREEK	Knox	21.2	Escherichia coli Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M M	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010207 014 – 0100	WILLIAMS BRANCH	Knox	2.4	Loss of biological integrity due to siltation M	Industrial Permitted Runoff	Stream is Category 5. (One or more uses impaired.)
TN06010207 014 – 0110	FOSTER BRANCH	Knox	1.2	Loss of biological integrity due to siltation M	Industrial Permitted Runoff	Stream is Category 5. (One or more uses impaired.)
TN06010207 014 – 0300	NORTH FORK BULLRUN CREEK	Knox	19.0	Biological integrity loss due to undetermined cause L	Minor Municipal Point Source	Stream is Category 5. (One or more uses impaired.)
TN06010207 014 – 1000	BULLRUN CREEK	Knox	11.8	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli M M M	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)
TN06010207 014 – 3000	BULLRUN CREEK	Knox	11.4	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010207 016 – 0100	BUFFALO CREEK	Anderson	19.9	Biological integrity loss due to undetermined cause L	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010207 016 – 3000	HINDS CREEK	Anderson Union	8.9	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Clinch River cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE /TMDL Priority	Pollutant Source	COMMENTS
TN06010207 019 – 2000	CLINCH RIVER	Anderson	7.4	Thermal Modifications L Habitat loss due to stream flow alteration L	Upstream Impoundment	The Clinch River below Norris does not meet biocriteria due to rapid temperature and flow changes. Stream is Category 5. (One or more uses impaired.) TVA has attempted to mitigate dissolved oxygen and flow issues below the reservoir.
TN06010207 026 – 0600	BEAR CREEK	Roane	5.5	Habitat loss due to alteration in stream-side or littoral vegetative cover M	Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010207 026 – 1000	EAST FORK POPLAR CREEK	Roane	9.7	PCBs L Mercury L Escherichia coli M Loss of biological integrity due to siltation M Nutrients M	Industrial Point Source Contaminated Sediments Collection System Failure Discharges from MS4 area	Stream impacted by releases at DOE's Oak Ridge facilities (K-25, Y-12, ORNL). Fishing advisory due to mercury and PCBs. Bacteria levels are also elevated due to sources in the Oak Ridge area. Stream is Category 5. (One or more uses impaired.)
TN06010207 026 – 2000	EAST FORK POPLAR CREEK	Anderson	11.3	PCBs L Mercury L Escherichia coli M Loss of biological integrity due to siltation M Nutrients M Habitat loss due to alteration in stream-side or littoral vegetative cover M	Industrial Point Source Contaminated Sediments Hydromodification Discharges from MS4 area	Same as above. Stream is Category 5. (One or more uses impaired.)
TN06010207 029 – 1000	COAL CREEK	Anderson	10.9	Biological integrity loss due to undetermined cause L Escherichia coli M	Minor Municipal Point Source	Stream is Category 5. (One or more uses impaired.)
TN06010207 247 – 1000	WHITEOAK CREEK	Anderson	5.3	Biological integrity loss due to undetermined cause L	Major Industrial Point Source	Stream is Category 5. (One or more uses impaired.)

## Emory River

This basin contains the following USGS Hydrologic Unit Codes: 06010208 (Emory River).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE TMDL Priority	Pollutant Source	COMMENTS
TN06010208 001 - 1000	WATTS BAR RESERVOIR, EMORY RIVER ARM	Roane Morgan	1258.7 ac	PCBs Chlordane L L	Industrial Point Source Contaminated Sediments	Fishing advisory due to PCBs. This stream is Category 5, impaired for one or more uses.
TN06010208 004 – 0200	FLAT FORK	Morgan	3.7	Nitrates Physical Substrate Habitat Alterations Loss of biological integrity due to siltation M H H	Pasture Grazing Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN06010208 004 – 1000	CROOKED FORK	Morgan	6.9	Nitrates L	Municipal Point Source Discharge Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06010208 004 – 2000	CROOKED FORK	Morgan	16.7	Nitrates Physical Substrate Habitat Alterations Loss of biological integrity due to siltation L L L	Permitted Small Flows Abandoned Mining Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN06010208 008 – 2000	CLEAR CREEK	Morgan	1.41	Oil L	Petroleum Activities	Serious oil spill in this section in the Obed National Wild and Scenic River. This stream is Category 5, impaired for one or more uses. The stream provides habitat for the listed Spotfin chub ( <i>Cyprinella monacha</i> ) and Tangerine darter ( <i>Percina aurantiaca</i> ).
TN06010208 013 – 0400	DROWNING CREEK	Cumberland	13.1	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations H H	Animal Feeding Operations (Nonpoint)	This stream is Category 5. The stream is impaired for one or more uses.
TN06010208 013 – 1000	OBED RIVER	Cumberland		This 12.4 mile section of the Obed River has been identified as “threatened” by the Division due to a documented decline in diversity at biological stations.  TMDL Priority: Low.		This stream is Category 5. The stream is threatened for one or more uses. Federally- listed species have been documented downstream of this section, in the Wild and Scenic River section.
TN06010208 013 – 2000	OBED RIVER	Cumberland	3.2	Habitat loss due to stream flow alterations Physical Substrate Habitat Alterations L L	Discharges from MS4 area Upstream Impoundment	A significant loss of expected diversity below Lake Holiday near Crossville. This stream is Category 5. The stream is impaired for one or more uses.

**Final Version 2004 303(d) LIST (Emory River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010208 015 – 0510	LONG BRANCH	Cumberland	2.2	Loss of biological integrity due to siltation L	Abandoned Mine Lands	Category 5 stream (impaired for one or more uses).
TN06010208 015 – 0800	BYRD CREEK	Cumberland	38.6	Impairment Undetermined L	Undetermined Source	Category 5 stream (impaired for one or more uses).
TN06010208 015 – 0810	ONE MILE CREEK	Cumberland	8.5	Loss of biological integrity due to siltation H	Land Development	Category 5 stream (impaired for one or more uses).
TN06010208 020 – 0100	SMITH BRANCH	Morgan	5.4	pH NA	Abandoned Mines	This stream is Category 4a (impaired for one or more uses). However, EPA has approved a pH TMDL that addresses the known pollutants in this stream.
TN06010208 020 – 0400	GOLLIHER CREEK	Morgan	5.6	Manganese Iron pH NA NA NA	Abandoned Mines	This stream is Category 4a. The stream is impaired, but EPA has approved a pH TMDL that addresses the known pollutants in this stream.
TN06010208 020 – 0500	FAGON MILL CREEK	Morgan	2.6	Manganese pH NA NA	Abandoned Mines	This stream is Category 4a. The stream is impaired, but EPA has approved a pH TMDL that addresses the known pollutants in this stream.
TN06010208 020 – 0600	LAUREL CREEK	Morgan	2.7	pH NA	Abandoned Mines	This stream is Category 4A. The stream is impaired, but EPA has approved a pH TMDL that addresses the known pollutants in this stream.
TN06010208 020 – 2000	CRAB ORCHARD CREEK	Morgan	2.3	pH NA	Abandoned Mines	This stream is Category 4a. The stream is impaired, but EPA has approved a pH TMDL that addresses the known pollutants in this stream.
TN06010208 020 – 3000	CRAB ORCHARD CREEK	Morgan	7.9	Manganese pH NA NA	Abandoned Mines	This stream is Category 4a. The stream is impaired, but EPA has approved a pH TMDL that addresses the known pollutants in this stream.

**Lower Tennessee Basin** This basin contains the following USGS Hydrologic Unit Codes: 06020001 (Nickajack/Chickamauga Reservoirs).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020001 001 – 1000	NICKAJACK RESERVOIR	Marion Hamilton	10370.0 ac	PCBs Dioxins L L	Contaminated Sediment	Precautionary fishing advisory for catfish due to PCBs and dioxin. The federally listed fish, the snail darter ( <i>Percina tansi</i> ), has been documented. Stream is Category 5. (One or more uses impaired.)
TN06020001 001T – 0200	NORTH MARKET STREET BRANCH	Hamilton	2.5	Escherichia coli M	Collection System Failure	In North Chattanooga. Stream is Category 5. (One or more uses impaired.)
TN06020001 007 – 0100	FRIAR BRANCH	Hamilton	26.9	Loss of biological integrity due to siltation Nutrients Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli L M L M	Land Development Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06020001 007 – 0200	UNNAMED TRIB TO SOUTH CHICKAMAUGA CR.	Hamilton	1.1	Nutrients Escherichia coli M M	Collection System Failure Discharges from MS4 area Hydromodification	Stream is Category 5. (One or more uses impaired.) The stream has been placed in Category 4c for "Alterations of stream-side or littoral vegetative cover." A rationale for this action is provided in Appendix B.
TN06020001 007 – 0510	SPRING CREEK	Hamilton	9.6	Escherichia coli M	Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN06020001 007 – 1000	SOUTH CHICKAMAUGA CREEK	Hamilton	17.6	Phosphorus Physical Substrate Habitat Alterations Escherichia coli Loss of biological integrity due to siltation M L M L	Land Development Discharges from MS4 area Channelization Sources Outside of State	The federally list fish, the snail darter ( <i>Percina tansi</i> ), has been documented. Stream is Category 5. (One or more uses impaired.) Some pollutants from GA. EPA should do TMDL.
TN06020001 029 – 0300	LEWIS BRANCH	Hamilton	1.5	Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli L M	Confined Animal Feeding Operations (Nonpoint)	Stream is Category 5. (One or more uses impaired.)

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<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>	
TN06020001 067 – 0100	UNNAMED TRIB TO N. CHICKAMAUGA CREEK	Hamilton	4.3	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover	L L	Land Development Hydromodification	Near Grubb Road. Stream is Category 5. (One or more uses impaired.)
TN06020001 067 – 0210	NINEMILE BRANCH	Hamilton	4.0	Low DO Physical Substrate Habitat Alterations	M L	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)
TN06020001 067 – 0400	STANDIFER CREEK	Sequatchie	3.9	pH	NA	Abandoned Mining	Stream is Category 4a. One or more uses impaired, however, EPA has approved a pH TMDL that addresses the known pollutant.
TN06020001 067 – 1100	ROGERS BRANCH	Hamilton	1.9	Pesticides Low dissolved oxygen Habitat loss due to stream flow alterations	L M L	Discharges from MS4 area Upstream Impoundment Spills	Fish kill in this stream. Pesticide spill. Stream is Category 5. (One or more uses impaired.)
TN06020001 067 – 2000	N. CHICKAMAUGA CREEK	Hamilton	4.1	pH Physical Substrate Habitat Alterations	NA H	Abandoned Mining Hydromodification	Stream is Category 5. (One or more uses impaired.) However, EPA has approved a pH TMDL that addresses some of the known pollutants.
TN06020001 067 – 4000	N. CHICKAMAUGA CREEK	Hamilton Sequatchie	21.4	pH	NA	Abandoned Mining	Stream is Category 4a. One or more uses impaired, however, EPA has approved a pH TMDL that addresses the known pollutant.
TN06020001 1240 – 0100	UNNAMED TRIB TO CITICO CREEK	Hamilton	1.2	Phosphorus Thermal Modifications Escherichia coli Habitat loss due to alteration in stream-side or littoral vegetative cover	M L M L	Collection System Failure Discharges from MS4 area Hydromodification	Water contact advisory. Orchard Grove area of Chattanooga. Stream is Category 5. (One or more uses impaired.)
TN06020001 1240 – 1000	CITICO CREEK	Hamilton	6.1	Nutrients Low dissolved oxygen Escherichia coli Habitat loss due to alteration in stream-side or littoral vegetative cover	M M M L	Collection System Failure Hydromodification	Stream is Category 5. (One or more uses impaired.)



Final Version 2004 303(d) LIST (Lower Tennessee River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06020001 1244 – 0100	DOBBS BRANCH	Hamilton	5.3	Low dissolved oxygen Escherichia coli Habitat loss due to alteration in stream-side or littoral vegetative cover	M M L	Collection System Failure Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN06020001 1244 – 0200	UNNAMED TRIB TO CHATTANOOGA CR.	Hamilton	1.4	Escherichia coli Habitat loss due to alteration in stream-side or littoral vegetative cover	M L	Combined Sewer Overflow Hydromodification	Near Cedar Hill School. Stream is Category 5. (One or more uses impaired.)
TN06020001 1244 – 0300	MCFARLAND SPRINGS BRANCH	Hamilton	1.2	Escherichia coli	L	Source in Other State	Sources in Rossville. Stream is Category 5. (One or more uses impaired.) GA or EPA should do TMDL.
TN06020001 1244 – 0400	GILLESPIE SPRINGS BRANCH	Hamilton	1.9	Escherichia coli Habitat loss due to alteration in stream-side or littoral vegetative cover	M L	Discharges from MS4 area Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN06020001 1244 – 1000	CHATTANOOGA CREEK	Hamilton	8.4	PCBs Dioxins Low dissolved oxygen Escherichia coli Habitat loss due to alteration in stream-side or littoral vegetative cover Oil and Grease	L L M M L L	Combined Sewer Overflow Discharges from MS4 area Non-Industrial Permitted Hydromodification Spills Contaminated Sediment	Water contact and fishing advisories in the section. Some contaminated sediment removed by Superfund. Stream is Category 5. (One or more uses impaired.)
TN06020001 1244 – 2000	CHATTANOOGA CREEK	Hamilton	3.5	Escherichia coli	M	Source in Other State	Water contact advisory. Stream is Category 5. (One or more uses impaired.) Pathogens in this section originate in GA. GA or EPA should do TMDL.
TN06020001 421 – 0100	SOUTH SUCK CREEK	Marion	9.2	pH Iron Loss of biological integrity due to siltation	L L L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN06020001 421 – 0200	NORTH SUCK CREEK	Marion Sequatchie	16.2	pH	L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN06020001 426 – 0100	STRINGERS BRANCH	Hamilton	5.8	Escherichia coli Habitat loss due to alteration in stream-side or littoral vegetative cover	M L	Collection System Failure Discharges from MS4 area Hydrologic Modification	Water contact advisory. Stream heavily culverted and otherwise altered. Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Lower Tennessee River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020001 426 - 1000	MOUNTAIN CREEK	Hamilton	3.2	Habitat loss due to alteration in stream-side or littoral vegetative cover L	Land Development Discharges from MS4 area	Biological integrity impacted by development. Stream is Category 5. (One or more uses impaired.)
TN06020001 497 - 1000	UNNAMED TRIB. TO CHICKAMAUGA RESERVOIR	Hamilton	3.5	Biological integrity loss due to undetermined cause L	Undetermined Source	Stream near Daisy Dallas Road. Biological integrity impacted according to TVA. Stream is Category 5. (One or more uses impaired.)

**Hiwassee River** This basin contains the following USGS Hydrologic Unit Codes: 06020002 (Hiwassee River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020002 001 - 0100	AGENCY CREEK	Meigs	32.7	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020002 005 - 0900	BEAVERDAM CREEK	Bradley	3.07	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06020002 005 - 1000	CANDIES CREEK	Bradley	9.65	Loss of biological integrity due to siltation M	Discharges from MS4 area Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020002 005 - 1100	UNNAMED TRIB TO CANDIES CREEK	Bradley	1.55	Physical Substrate Habitat Alterations M Loss of biological integrity due to siltation M	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06020002 005 - 1200	UNNAMED TRIB TO CANDIES CREEK	Bradley	0.95	Habitat loss due to alteration in stream-side or littoral vegetative cover M Loss of biological integrity due to siltation M	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06020002 005 - 1300	UNNAMED TRIB TO CANDIES CREEK	Bradley	1.14	Loss of biological integrity due to siltation M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN06020002 005 - 2000	CANDIES CREEK	Bradley	16.32	Physical Substrate Habitat Alterations M Loss of biological integrity due to siltation M	Discharges from MS4 area Pasture Grazing Streambank Modifications	This stream is Category 5. The stream is impaired for one or more uses.
TN06020002 005 - 3000	CANDIES CREEK	Bradley	9.51	Loss of biological integrity due to siltation M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Hiwassee River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020002 008 – 1000	HIWASSEE RIVER	Bradley McMinn	7.7	Escherichia coli H	Collection System Failure Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020002 009 - 0200	FILLAUER CREEK	Bradley	7.4	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli M M H	Discharges from MS4 area Collection System Failure	This stream is Category 5. The stream is impaired for one or more uses.
TN06020002 009 - 0300	WOOLEN MILL BRANCH	Bradley	3.92	Habitat loss due to alteration in stream-side or littoral vegetative cover Nutrients Escherichia coli M M H	Discharges from MS4 area Illicit Connections to Storm Sewers Collection System Failure	Multiple fish kills due to sewage overflows. Stream is Category 5. (One or more uses impaired.)
TN06020002 009 – 2000	SOUTH MOUSE CREEK	Bradley	6.5	Biological integrity loss due to undetermined cause Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L M M H	Discharges from MS4 area Channelization Streambank Modification/ Destabilization Collection System Failure	This stream is Category 5. The stream is impaired for one or more uses.
TN06020002 012 – 0200	LITTLE CHATATA CREEK	Bradley	14.3	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli M M H	Discharges from MS4 area Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06020002 012 – 1000	CHATATA CREEK	Bradley	19.62	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli M M H	Discharges from MS4 area Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06020002 018 – 0100	HAWKINS BRANCH	Polk	1.86	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020002 018 – 0200	DAIRY BRANCH	Polk	1.78	Escherichia coli H	Source Undetermined	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Hiwassee River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020002 018 – 3000 & 4000	HIWASSEE RIVER	Polk	11.4	Habitat loss due to stream flow alteration L	Upstream Impoundment	Provides habitat for the federally listed Cumberland bean pearly mussel ( <i>Villosa trabalis</i> ). Section between Apalachia Dam and Powerhouse impacted by flow diversions. Stream is Category 5. (One or more uses impaired.) TVA has plans to increase flows in the “bypass section.”
TN06020002 081 – 1000	CONASAUGA CREEK	McMinn Monroe	33.99	Loss of biological integrity due to siltation L	Discharges from MS4 area Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020002 082 – 0200	LITTLE CHESTUEE CREEK	McMinn Monroe	13.3	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020002 082 – 2000	CHESTUEE CREEK	McMinn	17.9	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020002 083 – 1000	OOSTANAULA CREEK	McMinn	5.7	Escherichia coli NA	Pasture Grazing	This stream is Category 4A. The stream is impaired for one or more uses. However, EPA has approved a fecal coliform TMDL that addresses the known pollutants.
TN06020002 083 – 2000	OOSTANAULA CREEK	McMinn	21.1	Escherichia coli NA	Pasture Grazing	This stream is Category 4A. The stream is impaired for one or more uses. However, EPA has approved a fecal coliform TMDL that addresses the known pollutants.
TN06020002 083 – 3000	OOSTANAULA CREEK	McMinn	7.4	Phosphate Loss of biological integrity due to siltation L Escherichia coli NA	Municipal Point Source Discharge Discharge from MS4 area	Water contact advisory. Stream is Category 5. (One or more uses impaired.) However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN06020002 083 – 4000	OOSTANAULA CREEK	McMinn	8.5	Escherichia coli NA	Pasture Grazing	This stream is Category 4A. The stream is impaired for one or more uses. However, EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.

**Final Version 2004 303(d) LIST (Hiwassee River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020002 083 - 5000	OOSTANAULA CREEK	Monroe	6.2	Escherichia coli NA	Pasture Grazing	This stream is Category 4A. The stream is impaired for one or more uses. However, EPA has approved a fecal coliform TMDL that addresses the known pollutants.
TN06020002 084 - 1000	NORTH MOUSE CREEK	McMinn	38.36	Escherichia coli H	Pasture Grazing Discharges from MS4 area	This stream is Category 5. The stream is impaired for one or more uses.
TN06020002 085 - 1000	SPRING CREEK	McMinn	33.8	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020002 087 - 1000	ROGERS CREEK	McMinn	21.6	Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli M H	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06020002 088 - 1000	PRICE CREEK	Meigs	6.9	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Conasauga River** This basin contains the following USGS Hydrologic Unit Codes: 03150101 (Conasauga River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN03150101 012 - 0200	MILL CREEK	Bradley Polk	20.1	Nitrate M Escherichia coli M	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN03150101 012 - 0300	BALL PLAY CREEK	Polk	7.44	Loss of biological integrity due to siltation M Escherichia coli M	Pasture Grazing Septic Tanks	This stream is Category 5. The stream is impaired for one or more uses.

**Ocoee River** This basin contains the following USGS Hydrologic Unit Codes: 06020003 (Ocoee River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020003 001 - 0100	FOURMILE CREEK	Polk	4.8	Escherichia coli M	Discharges from MS4 area Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.

**Final Version 2004 303(d) LIST (Ocoee River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020003 001 - 1000	OCOEE RIVER	Polk	13.0	pH Zinc	L L Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines Impacts from Hydrostructure Modification Upstream Impoundment	Biological integrity criteria not met below Parksville. This stream is Category 5. The stream is impaired for one or more uses.
TN06020003 004 – 1000 & 2000	PARKSVILLE RES- Ocoee Dam #1 to Baker Cr is partial. From Baker Cr to reservoir headwaters is not supporting.	Polk	1280 ac	Copper Iron Zinc Loss of biological integrity due to siltation	L L L L Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines	Parksville Reservoir fishery is improving, but sediment contamination exerts toxic effect near head of lake. Some concerns about PCBs. This stream is Category 5, impaired for one or more uses.
TN06020003 013 - 1000	OCOEE RIVER - Parksville Res. to Ocoee #2 Dam.	Polk	4.7	Copper Iron Zinc Habitat loss due to stream flow alteration	L L L L Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines Upstream Impoundment	Use is impacted by metals and flow alteration for power generation. This stream is Category 5, impaired for one or more uses. TVA provides flows for recreational uses per existing agreements.
TN06020003 013.5 – 1000	OCOEE NUMBER 2 Reservoir	Polk	494 ac	Copper Iron Zinc Loss of biological integrity due to siltation Habitat loss due to stream flow alteration	L L L L L Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines Upstream Impoundment	Upstream power generation causes flow alteration. This stream is Category 5. The stream is impaired for one or more uses. TVA provides flows for recreational uses per existing agreements.
TN06020003 013.55–1000	OCOEE RIVER- From Res. #2 to Dam #3.	Polk	3.9	Copper Iron Zinc Loss of biological integrity due to siltation Habitat loss due to stream flow alteration	L L L L L Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines Upstream Impoundment	Upstream water diversion for power generation causes flow alteration. This stream is Category 5, impaired for one or more uses. TVA provides flows for recreational uses per existing agreements.
TN06020003 013.7 – 1000	OCOEE NUMBER THREE RESERVOIR	Polk	480 ac	Copper Iron Zinc Loss of biological integrity due to siltation	L L L L Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines	This stream is Category 5. The stream is impaired for one or more uses.

**Final Version 2004 303(d) LIST (Ocoee River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020003 014 - 0100	NORTH POTATO CREEK	Polk	6.3	Physical Substrate Habitat Alterations L Copper L Iron L Zinc L pH L Loss of biological integrity due to siltation L	Abandoned Mining Mine Tailings Channelization Contaminated Sediments	Acid mine drainage from historical mining operations. Erosion from historic smelting operation. This stream is Category 5. The stream is impaired for one or more uses.
TN06020003 014 - 0110	BURRA BURRA CREEK	Polk	2.2	Copper L Iron L Zinc L pH L Loss of biological integrity due to siltation L	Mill Tailings Mine Tailings Impacts from Abandoned Mines	Acid mine drainage from historical mining operations. This stream is Category 5. The stream is impaired for one or more uses.
TN06020003 014 - 0120	ELLIS BRANCH	Polk	2.8	Copper L Zinc L Iron L	Mill Tailings Abandoned Mining	Historical mining operations. This stream is Category 5. The stream is impaired for one or more uses.
TN06020003 014 - 0200	DAVIS MILL CREEK	Polk	3.8	Copper L Iron L Zinc L pH L Loss of biological integrity due to siltation L	Mill Tailings Abandoned Mining	This stream is Category 5. The stream is impaired for one or more uses.
TN06020003 014 - 1000	OCOEE RIVER	Polk	2.5	Iron L Copper L Zinc L pH L Loss of biological integrity due to siltation L	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines	This stream is Category 5. The stream is impaired for one or more uses.

**Sequatchie River** This basin contains the following USGS Hydrologic Unit Codes: 06020004 (Sequatchie River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020004 001 - 0110	STANDIFER BRANCH	Marion	18.0	Loss of biological integrity due to siltation M	Land Development	Stream is Category 5. (One or more uses impaired.)
TN06020004 001 - 0600	UNNAMED TRIB TO SEQUATCHIE RIVER	Marion	2.0	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Sequatchie River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020004 001 - 0910	UNNAMED TRIB TO SHELTON CREEK	Marion	6.3	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 001 - 1100	UNNAMED TRIB TO SEQUATCHIE RIVER	Marion	1.7	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 001 - 1300	PECK BRANCH	Marion	2.4	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 005 - 0500	MCWILLIAMS CREEK	Bledsoe Sequatchie	11.2	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 007 - 0400	HALL CREEK	Bledsoe	10.0	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 007 - 0600	LITTLE CREEK	Bledsoe	8.7	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 007 - 0630	BROWNS CREEK	Bledsoe	2.8	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 007 - 0800	SWAFFORD BRANCH	Bledsoe	6.5	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 007 - 0900	STEPHENS BRANCH	Bledsoe Cumberland	8.8	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 007 - 1200	MANNING SPRINGS	Cumberland	1.4	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 007 - 1400	UNNAMED TRIB TO SEQUATCHIE RIVER	Bledsoe	1.4	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 007 - 2200	SKILLERN CREEK	Bledsoe	10.60	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 007 - 2800	UNNAMED TRIB TO SEQUATCHIE RIVER	Bledsoe	2.3	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 008 - 0200	MAISE CREEK	Bledsoe	4.7	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020004 009 - 0500	GLADY FORK	Sequatchie	4.5	Manganese Other Anthropogenic Substrate Alterations L	Surface Mining	Stream is Category 5. (One or more uses impaired.)
TN06020004 009 - 0510	UNNAMED TRIB TO GLADY FORK	Sequatchie	2.0	Loss of biological integrity due to siltation L	Silviculture Harvesting	Logging of area to convert to pasture put excessive silt in the stream. Stream is Category 5. (One or more uses impaired.)
TN06020004 009 - 1000	BIG BRUSH CREEK	Sequatchie	9.3	Manganese Other Anthropogenic Substrate Alterations L	Surface Mining	Stream is Category 5. (One or more uses impaired.)



**Final Version 2004 303(d) LIST (Sequatchie River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020004 009 – 2000	BIG BRUSH CREEK	Sequatchie Bledsoe	12.4	Manganese Other Anthropogenic Substrate Alterations	L L	Surface Mining  Stream is Category 5. (One or more uses impaired.)
TN06020004 012 – 0100	UNNAMED TRIB TO WOODCOCK CREEK	Sequatchie	1.7	Iron pH	L L	Inactive Mining  Underground mining impacts. Stream is Category 5. (One or more uses impaired.)
TN06020004 014 – 0100	DANIEL CREEK	Marion	2.2	Escherichia coli	M	Pasture Grazing  Stream is Category 5. (One or more uses impaired.)

**Guntersville Reservoir** This basin contains the following USGS Hydrologic Unit Codes: 06030001 (Guntersville Reservoir and misc. tribs).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06030001 057 - 0511	UNNAMED TRIB TO LAUREL LAKE	Marion	0.5	Nonpriority Organics Escherichia coli	L M	Collection System Failure Waste Storage/Tank Leaks  Laurel Lake is the water supply for Monteagle. Stream is Category 5. (One or more uses impaired.)
TN06030001 057 - 0811	HEDDEN BRANCH	Grundy	1.5	Escherichia coli	M	Pasture Grazing Septic Tanks  Water contact advisory. No sewage treatment facility in Tracy City. Stream is Category 5. (One or more uses impaired.)
TN06030001 057 - 0812	CLOUSE HILL BRANCH	Grundy	1.9	Escherichia coli	M	Septic Tanks  Same as above. Stream is Category 5. (One or more uses impaired.)
TN06030001 057 - 0815	LITTLE FIERY GIZZARD CREEK	Grundy	3.7	Escherichia coli	M	Pasture Grazing Septic Tanks  Same as above. Stream is Category 5. (One or more uses impaired.)

## Wheeler Lake Watershed

This basin contains the following USGS Hydrologic Unit Codes: 06030002 (Wheeler Lake).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030002 1124 - 0200	UNNAMED TRIB TO HESTER CREEK	Lincoln	2.5	Escherichia coli M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN06030002 1124 - 1000	HESTER CREEK	Lincoln	14.8	Loss of biological integrity due to siltation H	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN06030002 1149 - 0100	COTTRELL SPRING BRANCH	Lincoln	8.7	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H	Nonirrigated Crop Production	This stream is Category 5. The stream is impaired for one or more uses.
TN06030002 1124 - 0600	BIG HUCKLEBERRY CREEK	Lincoln	12.2	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H	Nonirrigated Crop Production	This stream is Category 5. The stream is impaired for one or more uses.
TN06030002 1149 - 1000	FLINT RIVER	Lincoln	22.0	Loss of biological integrity due to siltation H Physical Substrate Habitat Alterations H	Nonirrigated Crop Production	This stream is Category 5. The stream is impaired for one or more uses.
TN06030002 1216 - 0210	WASHBURN BRANCH	Lincoln	17.3	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H	Nonirrigated Crop Production	This stream is Category 5. The stream is impaired for one or more uses.

## Elk River Basin

This basin contains the following USGS Hydrologic Unit Codes: 06030003 (Upper Elk River) and 06030004 (Lower Elk River).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE (Pollutant)	Pollutant Source	COMMENTS
TN06030003 010 – 1000	ELK RIVER	Lincoln Moore	13.91	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06030003 012 – 0400	ROBINSON CREEK	Franklin	23.0	Loss of biological integrity due to siltation NA	Pasture Grazing	This stream is Category 4a. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses the known pollutants.

Final Version 2004 303(d) LIST (Elk River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030003 015 – 1000	ELK RIVER	Franklin Moore	15.4	Thermal Modification L Habitat loss due to stream flow alteration L	Upstream Impoundment	This segment provides habitat for the federally listed shiny pigtoe and slabside pearly mussel. This stream is Category 5. The stream is impaired for one or more uses. TVA has attempted to mitigate dissolved oxygen and flow issues below the reservoir.
TN06030003 026 – 1000	DRY CREEK	Franklin	21.1	Loss of biological integrity due to siltation M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06030003 032 – 1000	WAGNER CREEK	Franklin	18.8	Nitrates M Physical Substrate Habitat Alterations NA Escherichia coli M	Urbanized High Density Area Municipal Point Source Channelization	This stream is Category 5. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses some of the known pollutants.
TN06030003 035 – 1000	ELK RIVER	Franklin	6.2	Habitat loss due to stream flow alteration L Low Dissolved Oxygen M	Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)
TN06030003 036 – 1000	WOODS RESERVOIR	Franklin Coffee	3908 ac	PCBs L	Contaminated Sediments	Fishing advisory due to PCBs. Historical PCB releases from AEDC. Stream is Category 5. (One or more uses impaired.)
TN06030003 041 – 0100	YELLOW BRANCH	Franklin	7.1	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing	This stream is Category 4a. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses the known pollutants.
TN06030003 044 – 0100	BETSY WILLIS CREEK	Coffee Grundy	22.5	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA	Pasture Grazing Sand/Gravel/Rock Mining	This stream is Category 4a. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses the known pollutants.
TN06030003 044 – 0200	PATTON CREEK	Grundy	4.2	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing	This stream is Category 4a. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses the known pollutants.

**Final Version 2004 303(d) LIST (Elk River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06030003 044 – 0721	JUANITA CREEK	Grundy	0.8	Escherichia coli M	Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN06030003 044 – 0730	TRUSSEL CREEK	Grundy	4.3	Nutrients L Low Dissolved Oxygen L Solids L Whole Effluent Toxicity L	Municipal Point Source Discharge	Monteagle STP. Stream is Category 5. (One or more uses impaired.)
TN06030003 053 – 0100	BLUE CREEK	Franklin Coffee	10.9	Biological integrity loss due to undetermined cause L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN06030003 053 – 2000	ROCK CREEK	Franklin	16.1	Low Dissolved Oxygen M Nitrate M Phosphate M Habitat loss due to stream flow alteration L Thermal Modification L Loss of biological integrity due to siltation NA	Major Municipal Point Source Discharges from MS4 area Land Development	Area impacts include Tullahoma STP. Stream is Category 5. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses some of the known pollutants.
TN06030003 056 – 0100	WEST FORK MULBERRY CREEK	Lincoln Moore	55.9	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06030003 056 – 0250	EAST FORK MULBERRY CREEK	Moore	16.8	Nitrates M Loss of biological integrity due to siltation NA Low Dissolved Oxygen M Escherichia coli M	Municipal Point Source Discharges Pasture Grazing	Stream is Category 5. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses some of the known pollutants.
TN06030003 060 – 1000	CANE CREEK	Lincoln	44.5	Escherichia coli NA	Undetermined Source	This stream is Category 4A . The stream is impaired, but EPA has approved a pathogen TMDL which addresses some of the known pollutants.
TN06030003 063 – 2000	SWAN CREEK	Lincoln	9.9	Nitrates M Phosphates M Low Dissolved Oxygen M Escherichia coli NA	Animal Feeding Operation (NPS)	Fish kills from animal feeding operation. This stream is Category 5. The stream is impaired for one or more uses. EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.

Final Version 2004 303(d) LIST (Elk River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030003 085 – 1000	CHILDER CREEK	Franklin	8.9	Loss of biological integrity due to siltation NA	Pasture Grazing	This stream is Category 4a. The stream is impaired for one or more uses, but EPA has approved a siltation/habitat alteration TMDL that addresses the known pollutant.
TN06030003 435 – 1000	ROLLINS CREEK	Franklin Coffee	11.9	Thermal Modifications Habitat loss due to stream flow alterations L L	Industrial Point Source	Biology very poor downstream of AEDC. This stream is Category 5. The stream is impaired for one or more uses.
TN06030003 552 – 1000	GUM CREEK	Franklin	12.9	Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA	Nonirrigated Crop Production Channelization	This stream is Category 4a. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses the known pollutants.
TN06030003 567 – 1000	HESSEY BRANCH	Franklin	9.6	Nutrients M Physical Substrate Habitat Alteration NA Loss of biological integrity due to siltation NA	Nonirrigated Crop Production Pasture Grazing Channelization	This stream is Category 5. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses some of the known pollutants.
TN06030004 013 – 1000	ELK RIVER	Giles	7.4	Escherichia coli M	Undetermined Source	Section is habitat for two federally listed fish species: the snail darter ( <i>Percina tanasi</i> ) and the boulder darter ( <i>Etheostoma wapiti</i> ). This stream is Category 5. The stream is impaired for one or more uses.
TN06030004 017 – 0300	EVERLY BRANCH	Giles	2.41	Loss of biological integrity due to siltation NA	Sand/Gravel/Rock Mining	This stream is Category 4a. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses the known pollutants.
TN06030004 017 – 0600	UNNAMED TRIB TO RICHLAND CREEK	Giles	3.2	Other Anthropogenic Substrate Alterations NA Loss of biological integrity due to siltation NA	Industrial/Commercial Site Stormwater Discharge	This stream is Category 4a. The stream is impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses the known pollutants.

Final Version 2004 303(d) LIST (Elk River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030004 017 – 2000	RICHLAND CREEK	Giles	26.7	Loss of biological integrity due to siltation Oil and Grease Escherichia coli NA L NA	Industrial Point Source Collection System Failure Land Development Urbanized High Density Area Pasture Grazing	Pulaski area impacts include Denbo (oil and grease) and collection system problems. This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform and habitat alteration TMDL that addresses some of the known pollutants.
TN06030004 023 – 0300	ROBERTSON FORK CREEK	Giles	47.2	Escherichia coli H	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06030004 043 – 0300	CORN CREEK	Marshall	4.0	Loss of biological integrity due to siltation Nutrients Escherichia coli NA M NA	Pasture Grazing Livestock in Stream	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform and habitat alteration TMDL that addresses some of the known pollutants in this stream.
TN06030004 043 – 0400	TOWN CREEK	Marshall	12.5	Nitrates Phosphates Escherichia coli M M NA	Pasture Grazing Municipal Point Source Discharges	Town Creek impacts include Cornersville STP. This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN06030004 043 – 0600	COFFEY CREEK	Marshall	3.4	Escherichia coli NA	Pasture Grazing	This stream is Category 4A. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses the known pollutants.
TN06030004 043 – 1000	RICHLAND CREEK	Giles Marshall	42	Escherichia coli NA	Pasture Grazing	This stream is Category 4A. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses the known pollutants.

**Pickwick – Shoal Creek Basin** This basin contains the following USGS Hydrologic Unit Codes: 06030005 (Pickwick Reservoir, including Shoal Creek).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030005 078 – 1000	SHOAL CREEK	Lawrence	13.2	Nitrates Habitat loss due to alteration in stream-side or littoral vegetative cover L M	Industrial Point Source Municipal Point Source Removal of Riparian Vegetation	This stream is Category 5. The stream is impaired for one or more uses.
TN06030005 081 – 1000	SHOAL CREEK	Lawrence	21.3	Nitrates Loss of biological integrity due to siltation L M	Major Industrial Point Source Major Municipal Point Source Land Development	This stream is Category 5. The stream is impaired for one or more uses.
TN06030005 082 – 0100	BIG DRY BRANCH	Lawrence	7.4	Habitat loss due to alteration in stream-side or littoral vegetative cover M	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06030005 082 – 1000	SHOAL CREEK	Lawrence	2.3	Nitrates Loss of biological integrity due to siltation Escherichia coli M M H	Nonirrigated Crop Production Industrial Point Source Municipal Point Source Pasture Grazing Land Development Collection System Failure	This stream is Category 5. The stream is impaired for one or more uses.

**Upper Kentucky Reservoir** This basin contains the following USGS Hydrologic Unit Codes: 06040001 (Upper Kentucky Reservoir).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040001 041 - 0200	EAST PRONG DOE CREEK	Decatur Henderson	18.1	Physical Substrate Habitat Alterations H	Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040001 043 - 0100	CHALK CREEK	Hardin	14.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations H H	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040001 043 - 0200	MUD CREEK	McNairy Hardin	13.4	Loss of biological integrity due to siltation Low dissolved oxygen Physical Substrate Habitat Alterations H M H	Agriculture Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040001 043 - 1000	WHITEOAK CREEK	Hardin McNairy	15.1	Loss of biological integrity due to siltation Low dissolved oxygen H M	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Upper Kentucky Reservoir Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040001 054 – 0800	LICK CREEK	McNairy	20.0	Loss of biological integrity due to siltation H Physical Substrate Habitat Alterations H	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN06040001 054 – 1000	SNAKE CREEK	McNairy Hardin	9.3	Loss of biological integrity due to siltation H	Irrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN06040001 054 – 1100	STANLEY BRANCH	McNairy	9.8	Loss of biological integrity due to siltation H Low dissolved oxygen M Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing Landfills	Stream is Category 5. (One or more uses impaired.)
TN06040001 060 - 0300	WARDLOW CREEK	McNairy	20.9	Loss of biological integrity due to siltation H	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN06040001 060 - 0500	HOOVER BRANCH	Hardin	4.3	Biological integrity loss due to undetermined cause L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN06040001 060 - 2000	CHAMBERS CREEK	McNairy	4.0	Loss of biological integrity due to siltation H Low dissolved oxygen M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06040001 364 – 2000	EAGLE CREEK	Benton Decatur	3.9	Nutrients NA	Minor Municipal Point Source Onsite Wastewater System (Septic Tanks)	Stream is Category 4A. One or more uses are impaired, however, EPA has approved an ammonia/organic enrichment/ low dissolved oxygen TMDL that addresses the known pollutants in this stream.
TN06040001 364 – 3000	EAGLE CREEK	Benton Decatur	5.1	Unionized Ammonia NA Low dissolved oxygen NA Escherichia coli L	Minor Municipal Point Source Onsite Wastewater System (Septic Tanks)	Stream is Category 5. (One or more uses impaired.) However, EPA has approved an ammonia/organic enrichment/low dissolved oxygen TMDL that addresses some of the known pollutants in this stream.
TN06040001 802 – 1150	BROWN'S CREEK	Henderson	0.3	Low dissolved oxygen L Habitat loss due to stream flow alteration L	Upstream Impoundment	Stream impacted by poor quality discharges from Browns Reservoir. Stream is Category 5. (One or more uses impaired.)



**Final Version 2004 303(d) LIST (Upper Kentucky Reservoir Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06040001 991 – 1000	ROBERTS CREEK	Humphreys	4.4	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Silviculture Harvesting/Residue Management	Forestry clearcut without proper BMPs. Stream is Category 5. (One or more uses impaired.)
TN06040001 1000 – 0150	JACK BRANCH	Humphreys	1.0	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Silviculture Harvesting/Residue Management	Same as above. Stream is Category 5. (One or more uses impaired.)
TN06040001 1000 – 0200	NORTH FORK BLUE CREEK	Humphreys	7.4	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Silviculture Harvesting/Residue Management	Same as above. Stream is Category 5. (One or more uses impaired.)
TN06040001 1163 – 0110	UNNAMED TRIB TO LITTLE BEECH CR.	Wayne	5.6	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover M M	Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN06040001 1163 – 3000	BEECH CREEK	Wayne	6.2	PCBs L	Landfills	Stream is Category 5. (One or more uses impaired.)

**Duck River Basin** This basin contains the following USGS Hydrologic Unit Codes: 06040002 (Upper Duck River) and 06040003 (Lower Duck River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06040002 001 - 0300	GOOSE CREEK	Maury	7.3	Other Habitat Alteration H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06040002 002 – 0310	EAST FORK GLOBE CREEK	Marshall	8.8	Unionized Ammonia Salinity/TDS/Chlorides L L	Landfills	The Division responded to a fish kill at this site. Stream is Category 5. (One or more uses impaired.)
TN06040002 002 – 3000	FOUNTAIN CREEK	Maury	7.9	Escherichia coli NA	Livestock in Stream	Stream is Category 4A. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses the know pollutants.

**Final Version 2004 303(d) LIST (Duck River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06040002 012 - 0100	EAST ROCK CREEK	Marshall	16.9	Loss of biological integrity due to siltation H Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06040002 012 - 0700	SNELL BRANCH	Marshall	4.5	Loss of biological integrity due to siltation H Other Habitat Alterations H	Land Development Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040002 012 - 2000	BIG ROCK CREEK	Marshall	9.0	Nutrients H Loss of biological integrity due to siltation H Low dissolved oxygen L	Major Municipal Point Source Discharges from MS4 area	Lewisburg area impacts. Stream is Category 5. (One or more uses impaired.)
TN06040002 012 - 3000	BIG ROCK CREEK	Marshall	6.0	Loss of biological integrity due to siltation H Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06040002 021 - 0100	LITTLE SINKING CREEK	Bedford	7.6	Loss of biological integrity due to siltation H Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06040002 021 - 1000 & 2000	SINKING CREEK	Bedford	26.4	Loss of biological integrity due to siltation H Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06040002 024 - 0100	DAVIS BRANCH	Bedford	2.2	Loss of biological integrity due to siltation H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06040002 024 - 1000	SUGAR CREEK	Bedford	21.7	Biological integrity loss due to undetermined cause L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN06040002 027 - 0200	BOMAR CREEK	Bedford	4.1	Nutrients H Low dissolved oxygen H	Collection System Failure	Shelbyville area impacts. Stream is Category 5. (One or more uses impaired.)
TN06040002 027 - 0300	BUTLER CREEK	Bedford	14.2	Other Habitat Alterations H	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06040002 027 - 1000	DUCK RIVER	Bedford	1.6	Escherichia coli NA Loss of biological integrity due to siltation H	Collection System Failure Discharges from MS4 area	Shelbyville area impacts. Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.
TN06040002 030 - 0310	CASCADE CREEK	Bedford Coffee	2.7	Nutrients H Escherichia coli H	Confined Animal Feeding Operations (NPS)	Stream is Category 5. One or more uses are impaired.

**Final Version 2004 303(d) LIST (Duck River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06040002 030 - 1000	DUCK RIVER	Bedford	12.1	Thermal Modification L Habitat loss due to stream flow alteration L Manganese L	Upstream Impoundment	Duck River impacted by discharges from Normandy. TVA tailwater improvements have helped, but not eliminated this situation. Stream is Category 5. (One or more uses impaired.)
TN06040002 032 - 0100	BASHAW CREEK	Coffee	16.4	Biological integrity loss due to undetermined cause L	Undetermined Source	Stream is Category 5. (One or more uses are impaired.)
TN06040002 032 - 0300	CLEAR BRANCH	Coffee	7.3	Phosphate H Low dissolved oxygen H Escherichia coli NA	Agriculture	Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.
TN06040002 032 - 2000	DUCK RIVER	Coffee	2.0	Escherichia coli NA	Collection System Failure	Water contact advisory due to elevated bacteria levels from Manchester area sewer overflows and urban runoff. Stream is Category 4A. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses the known pollutants.
TN06040002 033 - 0300	BELL BUCKLE CREEK	Bedford	11.1	Loss of biological integrity due to siltation H Other Habitat Alterations H Escherichia coli NA	Minor Municipal Point Source Livestock in Stream	Bell Buckle area impacts, incl. Bell Buckle STP. Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.
TN06040002 038 - 0300	HURRICANE CREEK	Bedford	29.4	Escherichia coli NA Nutrients H Loss of biological integrity due to siltation H Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.

Final Version 2004 303(d) LIST (Duck River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040002 038 - 1000	FALL CREEK	Bedford	11.4	Escherichia coli      NA Nutrients                      H Loss of biological integrity      H due to siltation                      H Other Habitat Alterations      H	Pasture Grazing	Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.
TN06040002 039 - 0100	CLEM CREEK	Bedford	14.2	Nutrients                      H Escherichia coli                      NA	Pasture Grazing	Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.
TN06040002 039 - 0200	WEAKLEY CREEK	Bedford	6.2	Escherichia coli                      NA	Agriculture	Stream is Category 4A. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses the known pollutants.
TN06040002 039 - 0250	WEAKLEY CREEK	Bedford Rutherford	13.1	Loss of biological integrity      H due to siltation                      H Nutrients                              H Escherichia coli                      NA	Agriculture	Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.
TN06040002 039 - 0300	ALEXANDER CREEK	Bedford	21.1	Loss of biological integrity      H due to siltation                      NA Escherichia coli                      NA	Pasture Grazing	Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.)
TN06040002 039 - 1000	NORTH FORK CREEK	Bedford	3.7	Escherichia coli                      NA	Agriculture	Stream is Category 4A. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses the known pollutants.
TN06040002 039 - 2000	NORTH FORK CREEK	Bedford	4.0	Escherichia coli                      NA Nutrients                              H	Agriculture	Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.

**Final Version 2004 303(d) LIST (Duck River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06040002 039 – 3000	NORTH FORK CREEK	Bedford	9.2	Loss of biological integrity due to siltation H Nutrients H Escherichia coli NA	Agriculture	Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.
TN06040002 046 - 1000	WILSON CREEK	Marshall Bedford	19.5	Escherichia coli NA Nitrate H Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.
TN06040002 047 - 0300	LICK CREEK	Marshall Rutherford	8.8	Escherichia coli NA Other Habitat Alterations H	Livestock in Stream	Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.
TN06040002 047 – 1000	SPRING CREEK	Marshall Rutherford	13.2	Escherichia coli NA	Livestock in Stream	Stream is Category 4A. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses the known pollutants.
TN06040002 048 - 0100	THICK CREEK	Marshall Williamson	13.4	Loss of biological integrity due to siltation H Other Habitat Alterations H Escherichia coli NA	Pasture Grazing	Stream is Category 5. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses some of the known pollutants.
TN06040002 048 - 1000	CANEY CREEK	Marshall Williamson	13.1	Nitrate H Loss of biological integrity due to siltation H	Livestock in Stream Removal of Riparian Vegetation	Stream is Category 5. One or more uses are impaired,
TN06040002 049 - 0400	WALLACE BRANCH	Maury Williamson	3.8	Escherichia coli NA	Pasture Grazing	Stream is Category 4A. One or more uses are impaired, however EPA has approved a fecal coliform TMDL for this stream that addresses the known pollutants.

Final Version 2004 303(d) LIST (Duck River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040002 502 – 1000	LITTLE DUCK RIVER	Coffee	10.6	Escherichia coli NA	Collection System Failure	Water contact advisory due to Manchester area sewage collection system problems. Stream is Category 4A. One or more uses are impaired, but EPA has approved a fecal coliform TMDL that addresses the known pollutants.)
TN06040003 019 – 2000	BIG BIGBY CREEK	Maury	4.6	Nitrate Escherichia coli H NA	Major Municipal Point Source	Stream is Category 5. One or more uses are impaired, but EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN06040003 023 – 0100	QUALITY CREEK	Maury	7.1	Unionized Ammonia Loss of biological integrity due to siltation Other Habitat Alterations H NA NA	Minor Industrial Point Source Urbanized High Density Area Abandoned Mining	Stream is Category 5. One or more uses are impaired, but EPA has approved a habitat alteration TMDL that addresses some of the known pollutants.
TN06040003 023 - 0200	SUGAR CREEK	Maury	13.6	Unionized Ammonia Loss of biological integrity due to siltation Low dissolved oxygen Salinity/TDS/Chlorides Other Habitat Alterations H NA H L NA	Urbanized High Density Area Landfills Abandoned Mining	Smelter Services landfill. Associated Commodity landfill. Stream is Category 5. One or more uses are impaired, but EPA has approved a habitat alteration TMDL that addresses some of the known pollutants.
TN06040003 023 - 1000	SUGAR FORK	Maury	2.0	Suspended Solids Nutrients Escherichia coli L L NA	Major Municipal Point Source	Mt Pleasant area sources include municipal STP. Stream is Category 5. One or more uses are impaired, but EPA has approved a coliform TMDL that addresses some of the known pollutants.
TN06040003 027 – 0100	UNNAMED TRIB TO LITTLE BIGBY CR.	Maury	2.0	Other Habitat Alterations H	Discharges from MS4 area Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040003 030 - 0100	UNNAMED TRIB TO LYTLE CREEK	Maury	1.6	Loss of biological integrity due to siltation Other Habitat Alterations NA NA	Discharges from MS4 area Channelization	Stream is Category 4a. One or more uses are impaired, but EPA has approved a habitat alteration TMDL that addresses the known pollutants.

**Final Version 2004 303(d) LIST (Duck River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06040003 034 – 0300	MCCUTCHEON CREEK	Maury Williamson	21.8	Loss of biological integrity due to siltation NA	Land Development Discharges from MS4 area	Stream is Category 4a. Uses are impaired, but EPA has approved a habitat alteration TMDL that addresses the known pollutants.
TN06040003 034 – 0700	CROOKED CREEK	Maury	2.5	Loss of biological integrity due to siltation Other Habitat Alterations NA NA	Pasture Grazing	Stream is Category 4a. Uses are impaired, but EPA has approved a habitat alteration TMDL that addresses the known pollutants.
TN06040003 034 – 2000	RUTHERFORD CREEK	Maury Williamson	12.5	Loss of biological integrity due to siltation Nutrients NA L	Minor Municipal Point Source Land Development	Stream is Category 5. One or more uses are impaired, but EPA has approved a habitat alteration TMDL that addresses some of the known pollutants.
TN06040003 041 – 0800	POTTS BRANCH	Maury	2.9	Nutrients Escherichia coli Suspended Solids H NA H	Confined Animal Feeding Operation (nonpoint)	Stream is Category 5. One or more uses are impaired, but EPA has approved a coliform TMDL that addresses some of the known pollutants.
TN06040003 041 – 0950	LUNNS BRANCH	Hickman Maury	2.4	Nutrients Low dissolved oxygen Escherichia coli H H NA	Concentrated Animal Feeding Operation (permitted point)	Stream is Category 5. One or more uses are impaired, but EPA has approved a coliform TMDL that addresses some of the known pollutants.
TN06040003 041 – 1150	DOG BRANCH	Maury	2.0	Nutrients Low dissolved oxygen Escherichia coli H H H	Concentrated Animal Feeding Operation (permitted point)	Stream is Category 5. (One or more uses impaired.)
TN06040003 050 - 0610	GRAB BRANCH	Dickson	3.9	Biological integrity loss due to undetermined cause Loss of biological integrity due to siltation L NA	Pasture Grazing Discharges from MS4 area Industrial Permitted Runoff	Stream is Category 5. One or more uses are impaired, but EPA has approved a habitat alteration TMDL that addresses some of the known pollutants.
TN06040003 062 – 3000	BLUE CREEK	Humphreys	5.1	Nutrients Low dissolved oxygen Escherichia coli L L NA	Minor Municipal Point Source	McEwen STP. Stream is Category 5. Uses are impaired, but EPA has approved a coliform TMDL that addresses some of the known pollutants.

**Buffalo River** This basin contains the following USGS Hydrologic Unit Codes: 06040004 (Buffalo River).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040004 001 – 0250	BLACK BRANCH	Humphreys	8.9	Nonpriority Organics L	Leaking Underground Storage Tanks	Petroleum products being lost from business(es) near I-40. Stream is Category 5. (One or more uses impaired.)
TN06040004 001 – 0900	TANYARD CREEK	Humphreys Perry	2.1	Loss of biological integrity due to siltation H Physical Substrate Habitat Alterations H	Logging Road Construction/ Maintenance	Road constructed for forestry activities without proper BMPs. Stream is Category 5. (One or more uses impaired.)
TN06040004 013 - 0200	WEAVER BRANCH	Lawrence	1.3	Habitat loss due to stream flow alteration L Low dissolved oxygen L	Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from VFW Lake. Stream is Category 5. (One or more uses impaired.)
TN06040004 025 - 0200	BOOKER HOLLOW	Lewis	1.8	Nutrients H Low dissolved oxygen H Thermal Modification L Escherichia coli NA	Failing Collection System	Hohenwald area impacts include collection system problems. Category 5. Uses are impaired, but EPA has approved a coliform TMDL that addresses some of the known pollutants.
TN06040004 025 - 2000	ROCKHOUSE CREEK	Lewis	5.1	Phosphorus H Nitrate H Physical Substrate Habitat Alterations H Escherichia coli NA	Municipal Point Source Dredging	Same as above. Stream is Category 5. Uses are impaired, but EPA has approved a coliform TMDL that addresses some of the known pollutants.

**Lower Kentucky Reservoir** This basin contains the following USGS Hydrologic Unit Codes: 06040005 (Lower Kentucky Reservoir).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040005 038 - 0100	WEST SANDY EMBAYMENT	Henry	3.7 ac	Nutrients L Low dissolved oxygen L Loss of biological integrity due to siltation L	Septic Tanks Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)
TN06040005 023 – 0500	CLIFTY CREEK	Henry	15.8	Low dissolved oxygen L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)



**Final Version 2004 303(d) LIST (Lower Kentucky Reservoir Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06040005 023 – 1000	WEST SANDY CREEK	Henry	15.0	Nutrients L Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Agriculture Urbanized High Density Area Bank or Shoreline Modification	Stream is Category 5. (One or more uses impaired.)
TN06040005 024 – 1000	HOLLY FORK CREEK	Henry	13.8	Nitrates M Escherichia coli NA Physical Substrate Habitat Alterations M	Pasture Grazing Channelization	Stream is Category 5. Uses are impaired, but EPA has approved a coliform TMDL that addresses some of the known pollutants.
TN06040005 027 – 0300	DRY CREEK	Benton	17.8	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06040005 027 – 1000	BIG SANDY RIVER	Carroll Benton	27.7	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040005 032 – 0150	MAPLE CREEK	Carroll	4.0	Unionized Ammonia L	Upstream Impoundment	Creek impacted by poor quality releases from Maple Creek Lake. Stream is Category 5. (One or more uses impaired.)
TN06040005 032 – 0700	BIG BEAVER CREEK	Henderson	18.1	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040005 032 – 0710	LITTLE BEAVER CREEK	Henderson	5.9	Nutrients M Physical Substrate Habitat Alterations L Escherichia coli NA	Pasture Grazing Channelization	Stream is Category 5. Uses are impaired, but EPA has approved a coliform TMDL that addresses some of the known pollutants.
TN06040005 032 – 0900	MUD CREEK	Carroll Henderson	24.9	Nutrients M Low dissolved oxygen M Escherichia coli NA	Pasture Grazing	Stream is Category 5. Uses are impaired, but EPA has approved a coliform TMDL that addresses some of the known pollutants.
TN06040005 032 – 1000	BIG SANDY RIVER	Carroll	7.3	Low dissolved oxygen M Escherichia coli NA	Pasture Grazing	Stream is Category 5. Uses are impaired, but EPA has approved a coliform TMDL that addresses some of the known pollutants.
TN06040005 032 – 2000	BIG SANDY RIVER	Carroll Henderson	12.5	Nutrients M Low dissolved oxygen M Escherichia coli NA	Pasture Grazing	Stream is Category 5. Uses are impaired, but EPA has approved a coliform TMDL that addresses some of the known pollutants.

**Final Version 2004 303(d) LIST (Lower Kentucky Reservoir Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06040005 047 -0800	FOURTEEN CREEK	Benton	20.7	Loss of biological integrity due to siltation L Low dissolved oxygen M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06040005 050 - 2000	TRACE CREEK	Humphreys	8.4	Loss of biological integrity due to siltation L Nutrients L Low dissolved oxygen L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Major Municipal Point Source Land Development	Waverly area impacts, including Waverly STP. Stream is Category 5. (One or more uses impaired.)

**Mississippi River Basin** This basin contains the following USGS Hydrologic Unit Codes: 08010100 (Mississippi River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010100 001 - 0200	BLUE BANK BAYOU	Lake	9.8	Nutrients L Loss of biological integrity due to siltation L	Agriculture	Stream is Category 5. (One or more uses impaired.)
TN08010100 001 -1000	MISSISSIPPI RIVER	Shelby	24.9	PCBs L Dioxin L Chlordane L Nitrate L Loss of biological integrity due to siltation L Other Habitat Alterations L	Agriculture Discharges from MS4 area Dredging Contaminated Sediments Sources Outside the State	Fishing advisory originally due to chlordane. Stream is Category 5. (One or more uses impaired.) EPA should develop TMDL for this large interstate water.
TN08010100 001 - 1100	MCKELLAR LAKE	Shelby	13.0	PCBs L Chlordane L Dioxin L Loss of biological integrity due to siltation L Low dissolved oxygen L Escherichia coli L	Collection System Failure Discharges from MS4 area Dredging Contaminated Sediment	Fishing advisory originally due to chlordane. McKellar Lake is not really a lake. Stream is Category 5. (One or more uses impaired.)
TN08010100 001 - 2000	MISSISSIPPI RIVER	Shelby Tipton	40.1	PCBs L Dioxin L Chlordane L Nitrate L Loss of biological integrity due to siltation L Other Habitat Alterations L	Agriculture Dredging Contaminated Sediment Sources from Other States	Stream is Category 5. (One or more uses impaired.) EPA should develop TMDL for this large interstate water.

**Final Version 2004 303(d) LIST (Mississippi River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>	
TN08010100 001 - 3000	MISSISSIPPI RIVER	Tipton Lauderdale	45.2	PCBs Dioxin Chlordane Nitrate Loss of biological integrity due to siltation Other Habitat Alterations	L L L L L L	Agriculture Dredging Contaminated Sediment Sources from Other States	Stream is Category 5. (One or more uses impaired.) EPA should develop TMDL for this large interstate water.
TN08010100 001 - 4000	MISSISSIPPI RIVER	Dyer Lake	74.0	PCBs Dioxin Chlordane Nitrate Loss of biological integrity due to siltation Other Habitat Alterations	L L L L L L	Agriculture Dredging Contaminated Sediment Sources from Other States	Documented habitat for a federally listed fish: the pallid sturgeon ( <u>Scaphirhynchus albus</u> ). Stream is Category 5. (One or more uses impaired.) EPA should develop TMDL for this large interstate water.
TN08010100 001 - 5000	MISSISSIPPI RIVER	Lake	10.2	PCBs Dioxin Chlordane Nitrate Loss of biological integrity due to siltation Other Habitat Alterations	L L L L L L	Agriculture Dredging Contaminated Sediment Sources from Other States	Stream is Category 5. (One or more uses impaired.) EPA should develop TMDL for this large interstate water.
TN08010100 POPLARTLK	POPLAR TREE LAKE	Shelby	125 ac	Nutrients	L	Agriculture	Stream is Category 5. (One or more uses impaired.) No recent data on this lake.

**Obion River Basin**

This basin contains the following USGS Hydrologic Unit Codes: 08010202 (Obion River and North Fork Obion River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>	
TN08010202 001 - 0100	UNNAMED TRIB TO OBION RIVER`	Obion Dyer	25.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 001 - 0600	DRY CREEK	Obion	6.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Obion River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010202 001 - 0900	MURRAY CREEK	Dyer	6.4	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 001 – 1000, 2000 & 3000	OBION RIVER	Dyer Obion	65.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 001 - 4000	OBION RIVER	Obion	7.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L L M	Nonirrigated Crop Production Channelization Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN08010202 003 - 0200	PARKER BRANCH	Gibson	10.0	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover L L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010202 003 - 1000	REEDS CREEK	Dyer Gibson	8.3	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 009 - 0200	TOMMY CREEK	Weakley	7.4	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 009 - 0700	BIGGS CREEK	Weakley	2.2	Escherichia coli L	Agriculture	Stream is Category 5. (One or more uses impaired.)
TN08010202 009 - 0710	HURRICANE CREEK	Weakley	13.6	Nutrients Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli L L M	Agriculture Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 009 - 1000	NORTH FORK OBION RIVER	Obion Weakley	10.4	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Obion River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010202 009 - 1100	DRY CREEK	Henry	6.3	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010202 009 - 1700	SPRING HILL CREEK	Henry	11.6	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Upstream Impoundment Removal of Riparian Vegetation	Stream is Category 5. (One or more uses impaired.)
TN08010202 009 - 1900	MAYO BRANCH	Weakley	7.4	Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010202 009 - 2300	STEPHENS CREEK	Weakley	9.2	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010202 009 - 2400	CAMP GROUND CREEK	Weakley	20.5	Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010202 024 - 1000	RICHLAND CREEK	Weakley Obion	12.2	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 025 - 1000	HARRIS FORK CREEK	Obion	9.6	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Discharges from MS4 Area Channelization	South Fulton area impacts. Stream is Category 5. (One or more uses impaired.)
TN08010202 026 - 1000	DAVIDSON CREEK	Obion	14.6	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 027 - 1000	RICHLAND CREEK	Obion	11.2	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 028 - 1000	CLOVER CREEK	Obion	11.7	Loss of biological integrity due to siltation L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Obion River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010202 029 - 1000	RUNNING REELFOOT BAYOU	Obion Lake	23.8	Loss of biological integrity due to siltation L Habitat loss due to stream flow alteration L Nutrients L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization Upstream Impoundment Landfill	Two fully supporting tributaries, Paw Paw Creek and Rock Branch are reference streams for the West TN uplands. Stream is Category 5. (One or more uses impaired.)
TN08010202 036 - 1000	REELFOOT CREEK	Obion	8.0	Loss of biological integrity due to siltation H Nutrients L Habitat loss due to stream flow alteration L Escherichia coli M	Nonirrigated Crop Production Upstream Impoundment Channelization	Channelization, erosion, agricultural runoff, and the building of sedimentation dams have caused impacts. Stream is Category 5. (One or more uses impaired.)
TN08010202 040 - 1000	BLUE BASIN, REELFOOT LAKE	Obion Lake	10950.0 ac	pH L Loss of biological integrity due to siltation H Nutrients L Low dissolved oxygen L Habitat loss due to stream flow alteration L	Nonirrigated Crop Production Land Development Internal Nutrient Cycling Drainage/filling wetlands Habitat Modification	The Blue Basin has been impacted by shoreline development, sedimentation, low DO, high pH, and the effects of accelerated eutrophication. Stream is Category 5. (One or more uses impaired.)
TN08010202 040 - 2000	BUCK BASIN, REELFOOT LAKE	Obion	2900 ac	Nutrients L Loss of biological integrity due to siltation L Noxious Aquatic Plants L Low dissolved oxygen L	Nonirrigated Crop Production Habitat Modification Internal Nutrient Cycling	Buck Basin has been impacted by sedimentation, low DO, submerged and emergent aquatic plants, high pH, and the Effects of accelerated eutrophication. Stream is Category 5. (One or more uses impaired.)
TN08010202 040 - 3000	UPPER BLUE BASIN, REELFOOT LAKE	Obion	1650 ac	Nutrients L Loss of biological integrity due to siltation L Noxious Aquatic Plants L Low DO L	Nonirrigated Crop Production Habitat Modification Internal Nutrient Cycling	Upper Blue Basin has been impacted by sedimentation, low DO, submerged & emergent aquatic plants, and the effects of accelerated eutrophication. Stream is Category 5. (One or more uses impaired.)
TN08010202 040T - 0500	INDIAN CREEK	Obion	11.5	Loss of biological integrity due to siltation L Habitat loss due to stream flow alteration L	Nonirrigated Crop Production Upstream Impoundment	Sedimentation lake has altered stream flows. Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Obion River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010202 041 - 1000	BAYOU DU CHIEN	Obion	5.3	Nutrients Loss of biological integrity due to siltation Low dissolved oxygen	L L L	Nonirrigated Crop Production Stream is Category 5. (One or more uses impaired.)
TN08010202 048 - 1000	CLOVERDALE CREEK	Obion Dyer	8.7	Physical Substrate Habitat Alterations	L	Nonirrigated Crop Production Channelization Stream is Category 5. (One or more uses impaired.)
TN08010202 054 - 1000	BIFFLE CREEK	Dyer	7.8	Physical Substrate Habitat Alterations	L	Nonirrigated Crop Production Channelization Stream is Category 5. (One or more uses impaired.)
TN08010202 419 - 1000	HOOSIER CREEK	Obion	10.3	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover	L L	Nonirrigated Crop Production Channelization Stream is Category 5. (One or more uses impaired.)
TN08010202 500 - 1000	CYPRESS CREEK	Obion Weakley	12.1	Physical Substrate Habitat Alterations	L	Nonirrigated Crop Production Channelization Stream is Category 5. (One or more uses impaired.)
TN08010202 948 - 1000	MILL CREEK	Obion	17.2	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization Stream is Category 5. (One or more uses impaired.)

**South Fork Obion River** This basin contains the following USGS Hydrologic Unit Codes: 08010203 (South Fork Obion River and Rutherford Fork Obion River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010203 001 - 0700	CLEAR CREEK	Carroll	3.6	Loss of biological integrity due to siltation Low dissolved oxygen Physical Substrate Habitat Alterations Escherichia coli	L M L M	Channelization Upstream Impoundment Undetermined Source Stream is Category 5. (One or more uses impaired.)
TN08010203 001 - 0900	DeMOSS CREEK	Carroll	24.2	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover	L L	Nonirrigated Crop Production Stream is Category 5. (One or more uses impaired.)
TN08010203 001 - 1000 & 2000	SOUTH FORK OBION RIVER	Obion Weakley Gibson	42.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (South Fork Obion River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010203 001 - 1100	THOMPSON CREEK	Carroll Gibson	20.2	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 001 - 1200	DOLAN CREEK	Gibson	7.7	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 001 - 1600	LICK CREEK	Gibson	6.6	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 001 - 1610	UNNAMED TRIB TO LICK CREEK	Gibson	4.4	Loss of biological integrity due to siltation L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 007 - 1000	REEDY CREEK	Carroll	19.3	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 010 - 2000	BEAVER CREEK	Carroll	3.4	Nutrients M Loss of biological integrity due to siltation L Low dissolved oxygen M	Minor Municipal Point Source Nonirrigated Crop Production Urban Runoff/Storm Sewers	Stream is Category 5. (One or more uses impaired.)
TN08010203 010 - 3000	BEAVER CREEK	Carroll	8.8	Loss of biological integrity due to siltation L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 011 - 1000	CROOKED CREEK	Carroll	4.7	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 015 - 0100	TERRELL BRANCH	Weakley	4.6	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 015 - 0600	THOMPSON CREEK	Weakley	6.2	Physical Substrate Habitat Alterations L Habitat loss due to stream flow alteration L	Upstream Impoundment Channelization	Segment below Garrett Lake impacted by flow alteration from the lake, plus channelization. Stream is Category 5. (One or more uses impaired.)



Final Version 2004 303(d) LIST (South Fork Obion River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010203 015 - 1400	SUMMERS CREEK	Weakley	3.7	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 015 - 1500	MORRIS BRANCH	Weakley	4.2	Nutrients M Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 015 - 1800	BUCKOR DITCH	Weakley	6.2	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 015 – 2000 & 3000	MIDDLE FORK OBION RIVER	Weakley Henry	26.9	Nitrate L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 020 – 0100	CANE CREEK	Obion Weakley	16.7	Habitat loss due to alteration in stream-side or littoral vegetative cover L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN08010203 020 - 2000	MUD CREEK	Weakley	11.6	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 1000, 2000, & 3000	RUTHERFORD FORK OBION RIVER	Obion Gibson Carroll	54.3	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 1200	JOHNS CREEK	Carroll	21.7	Nonpriority Organics L	Hazardous Waste	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 1210	HALLS BRANCH	Carroll	11.4	Nonpriority Organics L	Hazardous Waste	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 1300	WOLF CREEK	Gibson	21.6	Nonpriority Organics L Loss of biological integrity due to siltation L	Hazardous Waste Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 1310	EAST FORK WOLF CREEK	Gibson Carroll	8.2	Nonpriority Organics L Loss of biological integrity due to siltation L	Hazardous Waste Channelization	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (South Fork Obion River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010203 032 - 1900	EDMUNDSON CREEK	Gibson	14.7	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)

**North Fork Forked Deer River** This basin contains the following USGS Hydrologic Unit Codes: 08010204 (North and Middle Forks Forked Deer River).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010204 001 - 1000	NORTH FORK FORKED DEER RIVER	Gibson Dyer	15.5	Phosphate M Loss of biological integrity due to siltation L Escherichia coli NA	Nonirrigated Crop Production Discharges from MS4 area Channelization Undetermined Fecal Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010204 003 - 0100	TUCKER CREEK	Crockett	8.74	Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L Escherichia coli NA	Nonirrigated Crop Production Pasture Grazing Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010204 003 - 1000	POND CREEK	Dyer Crockett	24.7	Low Dissolved Oxygen M Phosphorus M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Fecal Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010204 004 - 0100	BETHEL BRANCH	Dyer	30.4	Nitrates M Phosphorus M Physical Substrate Habitat Alterations L Escherichia coli L	Nonirrigated Crop Production Pasture Grazing Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 004 - 0300	NASH CREEK	Dyer	11.06	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (North Fork Forked Deer River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010204 005 - 1000	STOKES CREEK	Dyer Crockett	31	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 007 - 0100	BUCK CREEK	Crockett Gibson	29.4	Physical Substrate Habitat Alterations L	Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 007 - 1000	MIDDLE FORK FORKED DEER RIVER	Gibson Crockett	15.3	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Fecal Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010204 009 - 0100	SAND CREEK	Crockett	14.29	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 009 - 0200	UNNAMED TRIB TO CYPRESS CREEK	Crockett	3.19	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010204 009 - 1000	CYPRESS CREEK	Crockett	13.0	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 010 - 0100	BARNETT BRANCH	Gibson	15.6	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 010 - 0400	POPLAR CREEK	Madison	9.7	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Land Development Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 010 - 0500	JOHNSON CREEK	Madison	11.0	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization Land Development	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 010 - 0600	DYER CREEK	Madison	30.6	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Discharges from MS4 area Land Development Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 010 - 0700	MOIZE CREEK	Madison	12.8	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Discharges from MS4 area Channelization	This stream is Category 5. The stream is impaired for one or more uses.

**Final Version 2004 303(d) LIST (North Fork Forked Deer River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>	
TN08010204 010 - 0800	DE LOACH CREEK	Madison	13.4	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Discharges from MS4 area Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 010 - 0900	MATTHEWS CREEK	Madison	16.1	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Discharges from MS4 area Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 010 - 1000	MIDDLE FORK FORKED DEER RIVER	Crockett Madison	9.5	Escherichia coli	NA	Undetermined Fecal Source	This stream is Category 4a. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses the known pollutants.
TN08010204 010 - 1100	BEECH CREEK	Madison Crockett	23.8	Physical Substrate Habitat Alterations Escherichia coli	L NA	Nonirrigated Crop Production Channelization Undetermined Fecal Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010204 010 - 1200	WARREN DITCH	Crockett	9.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 013 – 1000	GILME'S CREEK	Madison	15.3	Physical Substrate Habitat Alterations	L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010204 014 – 0100	DRY CREEK	Madison Carroll	9.0	Physical Substrate Habitat Alterations Escherichia coli	L NA	Pasture Grazing Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010204 014 - 0600	SPRING CREEK	Henderson	19.2	Physical Substrate Habitat Alterations	L	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010204 015 – 1000	TURKEY CREEK	Madison Gibson	24.3	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Channelization Nonirrigated Crop Production Land Development	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 016 - 1000	SUGAR CREEK	Gibson	26.5	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization Land Development	This stream is Category 5. The stream is impaired for one or more uses.

**Final Version 2004 303(d) LIST (North Fork Forked Deer River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010204 017 – 0100	DAVIS CREEK	Gibson	32.6	Nitrates L Phosphates L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010204 017 – 0110	REAGAN CREEK	Gibson	13.3	Physical Substrate Habitat Alterations L Low dissolved oxygen	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010204 017 – 1000	BUCK CREEK	Gibson	39.8	Low Dissolved Oxygen M Phosphate M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010204 020 – 0100	BUZZARD ROOST CREEK	Gibson	5.28	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 020 – 0200	ROGERS BRANCH	Gibson	4.59	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 020 – 0300	UNNAMED TRIB TO NORTH FORK FORKED DEER RIVER	Gibson	4.44	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 020 – 0500	BEE CREEK	Gibson	2.64	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 020 – 0600	HOG CREEK	Gibson	6.2	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 020 – 0700	WALLSMITH BRANCH	Gibson	6.8	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.

**Final Version 2004 303(d) LIST (North Fork Forked Deer River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010204 020 – 0800	PARKER BRANCH	Gibson	12.0	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation L L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 020 – 0900	CAIN CREEK	Gibson	27.1	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation L L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 020 – 1000	NORTH FORK FORKED DEER RIVER	Gibson	10.9	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation L L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 020 - 2000	NORTH FORK FORKED DEER RIVER	Gibson	8.2	Physical Substrate Habitat Alterations L	Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 020 - 3000	NORTH FORK FORKED DEER RIVER	Gibson	9.7	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation L L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 021 - 0100	DRY CREEK	Gibson	5.73	Physical Substrate Habitat Alterations L	Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 021 - 0200	COW CREEK	Gibson	11.8	Oil and Grease Physical Substrate Habitat Alterations Loss of biological integrity due to siltation L L L	Undetermined Source Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 021 - 1000	MUD CREEK	Gibson	33.56	Physical Substrate Habitat Alterations L	Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010204 022 - 0100	HARRIS CREEK	Dyer	11.6	Physical Substrate Habitat Alterations Escherichia coli L NA	Pasture Grazing Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010204 022 - 1000	DOAKVILLE CREEK	Dyer	36.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Low dissolved oxygen Escherichia coli L L L NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.

**Final Version 2004 303(d) LIST (North Fork Forked Deer River Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010204 023 – 0200	JONES CREEK	Dyer	50.6	Physical Substrate Habitat Alterations Escherichia coli L NA	Channelization Undetermined Pathogen Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010204 023 – 0210	LIGHT CREEK	Dyer	30.91	Physical Substrate Habitat Alterations Escherichia coli L NA	Channelization Undetermined Pathogen Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010204 023 - 1000	LEWIS CREEK	Dyer	46.3	Loss of biological integrity due to siltation Other Habitat Alterations Escherichia coli L L NA	Nonirrigated Crop Production Discharges from MS4 area Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010204 HUMBOLDT LK – 1000	HUMBOLDT LAKE	Crockett	87 ac	Nutrients L	Agriculture	This stream is Category 5. The stream is impaired for one or more uses.

**South Fork Forked Deer River** This basin contains the following USGS Hydrologic Unit Codes: 08010205 (South Fork Forked Deer River) and 08010206 (Forked Deer River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010205 001 – 1000	SOUTH FORK FORKED DEER RIVER	Lauderdale Dyer	15.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L L L	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	This stream is Category 5. The stream is impaired for one or more uses.
TN08010205 003 – 1000	SOUTH FORK FORKED DEER RIVER	Crockett Lauderdale	6.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L L NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.

**Final Version 2004 303(d) LIST (South Fork Forked Deer River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010205 005 -0100	LITTLE NIXON CREEK	Haywood	15.3	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli L	Channelization Discharges from MS4 area	This stream is Category 5. The stream is impaired for one or more uses.
TN08010205 005 -0200	MERIDIAN CREEK	Haywood	44.0	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli L	Pasture Grazing Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010205 005 -0310	OTTER CREEK	Lauderdale Haywood	15.31	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Sand/Rock/Gravel Mining Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010205 005 -1000	NIXON CREEK	Haywood	20.4	Loss of biological integrity due to siltation L Phosphate M Physical Substrate Habitat Alterations L Escherichia coli L	Nonirrigated Crop Production Channelization Discharges from MS4 area	This stream is Category 5. The stream is impaired for one or more uses.
TN08010205 010 -0200	JACOBS CREEK	Crockett	25.9	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010205 010 - 1000	SOUTH FORK FORKED DEER RIVER	Haywood Crockett	13.2	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Fecal Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010205 011 - 1000	MUD CREEK	Haywood	42.9	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010205 012 - 0400	SANDY CREEK	Madison	4.3	Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010205 012 - 0500	CENTRAL CREEK	Madison	2.0	Escherichia coli NA	Collection System Failure Discharges from MS4 area	This stream is Category 4a. The stream is impaired, but EPA has approved a fecal coliform TMDL that addresses the known pollutant.



**Final Version 2004 303(d) LIST (South Fork Forked Deer River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010205 012 – 0600	ANDERSON BRANCH	Madison	5.2	Biological integrity loss due to undetermined cause Escherichia coli L NA	Collection System Failure Industrial Point Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010205 012 – 0700	BOND CREEK	Madison	9.7	Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli L NA	Discharges from MS4 area Streambank Modifications	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010205 012 - 0900	HICKS CREEK	Madison	28.5	Loss of biological integrity due to siltation L	Sand/Rock/Gravel Mining	Stream is Category 5. (One or more uses impaired.)
TN08010205 012 – 1000	SOUTH FORK FORKED DEER RIVER	Crockett Madison	21.6	Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli M L L NA	Discharges from MS4 area Nonirrigated Crop Production Dredge Mining Sand/Rock/Gravel Mining Land Development Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010205 012 - 1100	JOHNSON CREEK	Madison	44.2	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Land Development Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010205 012 - 1200	CUB CREEK	Madison	27.0	Escherichia coli NA	Animal Feeding Operations (NPS)	This stream is Category 4A. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses the known pollutants in this stream.
TN08010205 012 - 1300	CYPRESS CREEK	Madison	36.9	Low Dissolved Oxygen L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN08010205 031 - 1000	BLACK CREEK	Crockett	12.9	Nutrient Biological Indicators Low Dissolved Oxygen Physical Substrate Habitat Alterations Loss of biological integrity due to siltation Escherichia coli L M L L L	Pasture Grazing Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.

**Final Version 2004 303(d) LIST (South Fork Forked Deer River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010205 036 - 0200	SUMROW CREEK	Lauderdale	15.7	Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010205 036 - 1000	HALLS CREEK	Lauderdale	15.7	Escherichia coli L	Undetermined Source	This stream is Category 5. The stream is impaired for one or more uses.
TN08010206 001 - 1000	FORKED DEER RIVER	Dyer Lauderdale	14.9	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Channelization	This stream is Category 5. The stream is impaired for one or more uses.

**Hatchie River Basin**

This basin contains the following USGS Hydrologic Unit Codes: 08010207 (Upper Hatchie River) and 08010208 (Lower Hatchie River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010207 031 - 1000	CYPRESS CREEK	Mc Nairy	16.7	Loss of biological integrity due to siltation H	Agriculture Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010207 044 - 1000	TUSCUMBIA RIVER	Mc Nairy	8.9	Loss of biological integrity due to siltation H	Sources Outside of State	Channelization in Mississippi. Stream is Category 5. (One or more uses impaired.) EPA or Mississippi should do TMDL.
TN08010208 001 -0600	WADE CREEK	Hardeman Chester	27.4	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations H L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 001 -0800	CUB CREEK	Hardeman	26.4	Physical Substrate Habitat Alterations H	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 001 -1300	SHORT CREEK	Hardeman	19.2	Physical Substrate Habitat Alterations H	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 001 -1600	HICKORY CREEK	Hardeman	25.5	Loss of biological integrity due to siltation Physical substrate Habitat Alterations H H	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 002 - 0810	EAST FORK HURRICANE CREEK	Tipton	11.1	Habitat loss due to stream flow alteration H	Upstream Impoundment	Glenn Springs Lake's poor quality releases impact downstream uses. Stream is Category 5. (One or more uses impaired.)
TN08010208 007 -1000	BIG MUDDY CREEK	Haywood	7.5	Physical Substrate Habitat Alterations H	Channelization	Stream is Category 5. (One or more uses impaired.)

Final Version 2004 303(d) LIST (Hatchie River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010208 009 - 1000	POPLAR CREEK	Haywood Fayette	17.8	Loss of biological integrity due to siltation H	Agriculture Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 011 - 2000	BEAR CREEK	Fayette	7.9	Loss of biological integrity due to siltation H	Agriculture Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 031 - 1000	SUGAR CREEK	Haywood	10.5	Loss of biological integrity due to siltation H	Agriculture Discharges from MS4 area	Brownsville area impacts. Stream is Category 5. (One or more uses impaired.)
TN08010208 032 - 1000	CYPRESS CREEK	Haywood	19.2	Loss of biological integrity due to siltation H Low dissolved oxygen M	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010208 033 - 1000	LAGOON CREEK	Lauderdale Haywood	19.3	Low dissolved oxygen M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN08010208 034 - 0100	OLD CHANNEL OF NELSON CREEK	Lauderdale	2.0	Copper L Nutrients M Escherichia coli M	Major Industrial Point Source Undetermined Fecal Source	Extremely high nutrient levels. Stream is Category 5. One or more uses impaired. EPA has approved a copper TMDL, however, the criteria established by the TMDL are still being violated.
TN08010208 034 - 0300	HYDE CREEK	Lauderdale	5.7	Nitrate M Escherichia coli M	Major Industrial Point Source Collection System Failure	Extremely high nutrient levels. Stream is Category 5. One or more uses impaired. EPA has approved a copper TMDL for this segment.
TN08010208 034 - 0310	UNNAMED TRIB TO HYDE CREEK	Lauderdale	1.2	Nitrate M	Major Industrial Point Source	Extremely high nutrient levels. Stream is Category 5. One or more uses impaired. EPA has approved a copper TMDL for this segment.
TN08010208 034 - 1000	CANE CREEK	Lauderdale	14.1	Nitrate M Physical Substrate Habitat Alterations L	Major Industrial Point Source Channelization	Stream is Category 5. One or more uses impaired. EPA has approved a copper TMDL for this segment.
TN08010208 034 - 2000	CANE CREEK	Lauderdale	4.5	Copper L Nitrate M Physical Substrate Habitat Alterations H Escherichia coli M	Major Industrial Point Source Collection System Failure Channelization	Extremely high nutrient levels. Stream is Category 5. One or more uses impaired, however EPA has approved a copper TMDL that addresses some of the known pollutants.

**Final Version 2004 303(d) LIST (Hatchie River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010208 034 - 3000	CANE CREEK	Lauderdale	1.0	Nitrate Physical Substrate Habitat Alterations Escherichia coli M H M	Major Industrial Point Source Collection System Failure Channelization	Extremely high nutrient levels. Stream is Category 5. One or more uses impaired. EPA has approved a copper TMDL for this segment.
TN08010208 056 - 1000	FLAT CREEK	Tipton	8.1	Nutrients Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli M H H M	Agriculture Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 072 - 1000	RICHLAND CREEK	Haywood Hardeman	11.0	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover H H	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010208 073 - 1000	RICHLAND CREEK	Tipton	11.0	Nutrients Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli M H M M	Agriculture Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 1866 - 1000	CARTER CREEK	Haywood	6.4	Physical Substrate Habitat Alterations H	Channelization	Stream is Category 5. (One or more uses impaired.)

**Loosahatchie River Basin**

This basin contains the following USGS Hydrologic Unit Codes: 08010209 (Loosahatchie River).

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010209 001 - 0100	TODD BRANCH	Shelby	4.9	Low Dissolved Oxygen Physical substrate Habitat Alterations Escherichia coli M L NA	Discharges from MS4 area Channelization Collection System Failure	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.

**Final Version 2004 303(d) LIST (Loosahatchie River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010209 001 - 1000	LOOSAHATCHIE RIVER	Shelby	7.8	PCBs L Dioxins L Chlordane L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Contaminated Sediment Channelization	Fishing advisory originally due to chlordane. This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN08010209 002 - 0200	OLIVER CREEK	Shelby	7.4	Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 area Land Development	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010209 002 - 0300	BUCKHEAD CREEK	Shelby	14.59	Low Dissolved Oxygen L Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 area Land Development	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010209 002 - 1000	LOOSAHATCHIE RIVER	Shelby	10.3	Chlordane L PCBs L Dioxin L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Contaminated Sediment Discharges from MS4 area Land Development Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN08010209 002 - 2000	LOOSAHATCHIE RIVER	Shelby	8.2	Physical Substrate Habitat Alterations L Escherichia coli NA	Land Development Channelization Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010209 003 - 1000	CYPRESS CREEK	Shelby Fayette	20.5	Phosphate L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L Escherichia coli NA	Animal Feeding Operations (NPS) Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010209 004 - 0100	BLACK ANKLE CREEK	Fayette	27.0	Low Dissolved Oxygen M Phosphate L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)

**Final Version 2004 303(d) LIST (Loosahatchie River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010209 004 – 1000	LOOSAHATCHIE RIVER	Shelby Fayette	10.0	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010209 007 – 1000	LOOSAHATCHIE RIVER	Fayette	9.6	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010209 010 – 1000	JONES CREEK	Fayette	36.9	Loss of biological integrity due to siltation M Escherichia coli L	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN08010209 011 – 2000	LOOSAHATCHIE RIVER	Fayette	14.1	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010209 014 – 1000	LITTLE LAUREL CREEK CANAL	Fayette	38.2	Low Dissolved Oxygen L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010209 015 – 1000	LITTLE CYPRESS CREEK	Fayette	17.14	Low Dissolved Oxygen L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010209 016 – 0100	WEST BEAVER CREEK	Shelby Tipton	56.6	Low Dissolved Oxygen L Phosphate M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010209 016 – 0300	MIDDLE BEAVER CREEK	Tipton	44.8	Low Dissolved Oxygen L Phosphate M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli L	Nonirrigated Crop Production Pasture Grazing Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010209 016 – 0400	EAST BEAVER CREEK	Tipton Shelby	84.5	Low Dissolved Oxygen L Nitrates M Phosphate M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	This stream is Category 5. The stream is impaired for one or more uses.
TN08010209 016 – 0410	BAXTER BOTTOM	Tipton	38.1	Low Dissolved Oxygen L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.

**Final Version 2004 303(d) LIST (Loosahatchie River Basin cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010209 016 – 1000	BEAVER CREEK	Shelby	28.9	Low Dissolved Oxygen L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010209 016 – 2000	UPPER MIDDLE BEAVER CREEK	Tipton Shelby	26.7	Low Dissolved Oxygen L Phosphate M Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010209 021 – 0100	JAKES CREEK	Shelby	22.8	Loss of biological integrity due to siltation L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010209 021 – 0110	BEAR CREEK	Shelby Tipton	14.5	Low Dissolved Oxygen L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010209 021 – 0200	ROYSTER CREEK	Shelby Tipton	37.4	Low Dissolved Oxygen L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010209 021 – 0300	NORTH FORK CREEK	Shelby Tipton	37.6	Low Dissolved Oxygen L Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010209 021 – 0500	CROOKED CREEK CANAL	Shelby	31.21	Low Dissolved Oxygen L Physical Substrate Habitat Alteration L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010209 021 – 1000	BIG CREEK	Shelby	19.5	Low Dissolved Oxygen L Nitrates L Phosphates L Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 area Municipal Point Source Discharge Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010209 021 – 2000	BIG CREEK	Shelby Tipton	30.9	Low Dissolved Oxygen L Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.

**Wolf River Basin** This basin contains the following USGS Hydrologic Unit Codes: 08010210 (Wolf River).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010210 001 – 0100	HARRINGTON CREEK	Shelby	16.5	Lead L Nutrients M Low dissolved oxygen L Escherichia coli L	Discharges from MS4 area	This stream is Category 5. The stream is impaired for one or more uses.
TN08010210 001 - 0300	WORKHOUSE BAYOU	Shelby	3.7	Escherichia coli NA	Discharges from MS4 area	This stream is Category 4A. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses the known pollutants.
TN08010210 001 – 1000	WOLF RIVER	Shelby	12.8	Lead L Chlordane L PCBs L Dioxin L Loss of biological integrity due to siltation L Escherichia coli NA	Land Development Discharges from MS4 area Hazardous Waste Channelization Contaminated sediments	Fishing advisory on Wolf River. This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010210 002 – 0100	SWEETBRIAR CREEK	Shelby	2.5	Other Anthropogenic Habitat Alterations L	Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN08010210 002 – 1000	WOLF RIVER	Shelby	6.3	Chlordane L PCBs L Dioxin L Lead L Loss of biological integrity due to siltation L Escherichia coli NA	Contaminated Sediments Channelization Discharges from MS4 area Land Development	Fishing advisory on Wolf River. This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010210 002 – 2000	WOLF RIVER	Shelby	3.8	Lead L Loss of biological integrity due to siltation L	Channelization Discharges from MS4 area Land Development	This stream is Category 5. The stream is impaired for one or more uses.
TN08010210 003 – 1000	WOLF RIVER	Shelby Fayette	9.7	Lead L	Hazardous Waste	Stream is Category 5. (One or more uses impaired.)
TN08010210 005 - 0100	TEAGUE BRANCH	Fayette	17.0	Loss of biological integrity due to siltation L Habitat loss due to alteration in stream-side or littoral vegetative cover L	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN08010210 005 - 0200	STOUT CREEK	Fayette	6.7	Loss of biological integrity due to siltation L Low dissolved oxygen M	Pasture Grazing Sources Outside of State	Stream is Category 5. (One or more uses impaired.)



Final Version 2004 303(d) LIST (Wolf River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010210 005 - 1000	GRISSUM CREEK	Fayette	17.9	Loss of biological integrity due to siltation Low dissolved oxygen Escherichia coli L M NA	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010210 009 - 0100	UNNAMED TRIB TO WOLF RIVER	Fayette	4.9	Nutrients M	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010210 021 - 1000	SHAWS CREEK	Fayette	20.1	Low dissolved oxygen M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN08010210 022 - 0100	UNNAMED TRIB TO GRAYS CREEK	Shelby	8.4	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover L L	Nonirrigated Crop Production Discharges from MS4 area	This stream is Category 5. The stream is impaired for one or more uses.
TN08010210 022 - 0300	MARYS CREEK	Shelby	17.4	Loss of biological integrity due to siltation Nutrients Low dissolved oxygen L L L	Agriculture Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)
TN08010210 022 - 0350	MARYS CREEK	Shelby Fayette	2.5	Habitat loss due to stream flow alteration M	Upstream Impoundment	Mary's Creek below Herb Parson's Lake impacted by lack of releases. Stream is Category 5. (One or more uses impaired.)
TN08010210 022 - 1000	GRAYS CREEK	Shelby Fayette	15.8	Copper Lead Phosphorus Loss of biological integrity due to siltation L L M L	Nonirrigated Crop Production Land Development Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010210 023 - 1000	FLETCHER CREEK	Shelby	10.7	Physical Substrate Habitat Alterations Escherichia coli L NA	Pasture Grazing Discharges from MS4 area Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010210 032 - 1000	CYPRESS CREEK	Shelby	13.6	Nutrients Physical Substrate Habitat Alterations Escherichia coli M L NA	Discharges from MS4 area Hydromodification Channelization	Some sections of Cypress Creek concreted. This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.

## Nonconnah Creek Basin

This basin contains the following USGS Hydrologic Unit Codes: 08010211 (Nonconnah Creek).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010211 001 – 1000	HORN LAKE CREEK	Shelby	10.3	Low Dissolved Oxygen Loss of biological integrity due to siltation Escherichia coli	L L L	Discharges from MS4 area  This stream is Category 5. The stream is impaired for one or more uses.
TN08010211 001 – 2000	HORN LAKE CREEK	Shelby	5.2	Low Dissolved Oxygen Loss of biological integrity due to siltation Escherichia coli	L L L	Sources Outside of State Land Development  This stream is Category 5. The stream is impaired for one or more uses. TMDLs for pollution sources outside of Tennessee should be done by Mississippi or EPA..
TN08010211 007 – 1000	CYPRESS CREEK	Shelby	18.2	Low Dissolved Oxygen Phosphate Escherichia coli	M M NA	Discharges from MS4 area  This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010211 00711– 0200	CANE CREEK	Shelby	7.2	Low Dissolved Oxygen Phosphate Physical Substrate Habitat Alteration Escherichia coli	M M M NA	Discharges from MS4 area Channelization  This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010211 00711– 0300	BLACK BAYOU	Shelby	7.9	Phosphate Physical Substrate Habitat Alteration Escherichia coli	M M NA	Discharges from MS4 area Channelization  This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010211 00711– 0400	TENMILE CREEK	Shelby	13.3	Low Dissolved Oxygen Phosphate Loss of biological integrity due to siltation Escherichia coli	M M M NA	Discharges from MS4 area  This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010211 00711– 0500	HURRICANE CREEK	Shelby	13.3	Low Dissolved Oxygen Phosphate Other anthropogenic substrate alterations Escherichia coli	M M L NA	Discharges from MS4 area Industrial Stormwater Discharge Channelization  This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.

Final Version 2004 303(d) LIST (Nonconnah Creek Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010211 00711- 0600	DAYS CREEK	Shelby	10.6	Phosphate M Other anthropogenic substrate alterations L Escherichia coli NA	Discharges from MS4 area Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010211 00711- 1000	NONCONNAH CREEK	Shelby	3.2	PCBs L Dioxins L Chlordane L Phosphate M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Collection System Failure Contaminated Sediment Channelization	Fishing advisory. This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants in this stream.
TN08010211 00711- 2000	NONCONNAH CREEK	Shelby	5.0	Phosphate M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010211 00711- 3000	NONCONNAH CREEK	Shelby	4.1	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010211 00720- 0100	UNNAMED TRIB TO NONCONNAH CREEK	Shelby	9.5	Phosphate M Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing Nonirrigated Crop Production Sources Outside State Borders	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010211 00720- 0110	UNNAMED TRIB TO THE UNNAMED TRIB TO NONCONNAH CREEK	Shelby	2.6	Low Dissolved Oxygen M Phosphate M Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing Sources Outside State Borders	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.

**Final Version 2004 303(d) LIST (Nonconnah Creek Watershed cont.)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010211 00720- 0200	UNNAMED TRIB TO NONCONNAH CREEK	Shelby	9.5	Low Dissolved Oxygen M Phosphate M Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 area Land Development	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010211 00720- 1000	NONCONNAH CREEK	Shelby	8.3	Phosphate L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010211 00720- 2000	NONCONNAH CREEK	Shelby	6.2	Low Dissolved Oxygen M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Land Development Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010211 00720- 3000	NONCONNAH CREEK	Shelby Fayette	6.5	Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.
TN08010211 176 - 1000	JOHN'S CREEK	Shelby	13.7	Phosphate M Loss of biological integrity due to siltation M Escherichia coli NA	Discharges from MS4 area Land Development Collection System Failure	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the known pollutants.

## APPENDIX A: Streams on the 2002 303 (d) List That Have Been Delisted in 2004 For Reasons Related to Water Quality

Waterbody ID	2002 Impacted Waterbody	County	Partial	Not	2002 CAUSE (Pollutant)	2002 Pollutant Source	Reason For Delisting
TN05130107 016 – 0710	RANGER CREEK	Grundy	18.3		pH Iron	Abandoned Mining	This stream was reassessed in 2002 by TDEC. A chemical and biological monitoring station was established at mile 3.0 (Colony Road). Biorecon results indicated good biology. Chemical results did not show any exceedences of water quality standards. The stream got a habitat score of 155, which is much better than the established habitat goal for this region. Stream has improved since last assessed.
TN05130107 016 – 0730	FIRESCALD CREEK	Grundy	14.3		Flow Alteration	Upstream Impoundment	This stream was reassessed in 2002 by TDEC. At mile 2.1 (Hwy 56), biorecon results indicated 9 EPT families, 5 intolerant, and 15 total families. Using the Division scoring system for biorecons, this stream scored a 9 (scale = 1 – 15). The stream got a habitat score of 135, which is better than the established habitat goal for this region. Stream has improved since last assessed.
TN05130108 001 – 0400	ROCK SPRINGS BRANCH	Putnam	8.1		Loss of biological integrity due to siltation Other Habitat Alterations	Livestock in Stream Removal of Riparian Vegetation	This stream was reassessed in 2002 by TDEC. At mile 0.9 (Bates Road), biorecon results indicated 12 EPT families, 6 intolerant, and 29 total families. Using the Division scoring system for biorecons, this stream scored a 15 (scale = 1 – 15). The stream got a habitat score of 137, which is better than the established habitat goal for this region. Stream has improved greatly since last assessed.
TN05130108 048 – 1000	INDIAN CREEK	Putnam	31.0		Loss of biological integrity due to siltation Other Habitat Alterations	Dredging (gravel) Highway Maintenance / Runoff	This stream was reassessed in 2002 by TDEC. At mile 1.0 (Highway 96@ Hopewell Road), biorecon results indicated 8 EPT families, 2 intolerant, and 19 total families. Using the Division scoring system for biorecons, this stream scored a 9 (scale = 1 – 15). The stream got a habitat score of 125, which is better than the established habitat goal for this region. Stream has improved greatly since last assessed. Additionally, field staff now believe that the appearance of a depressed biological community in the previous assessment may have been due to a recent dry period.
TN05130202 220 – 0210	BAKERS FORK CREEK	Davidson	7.5		Pathogens	Discharges from MS4 area Industrial Permitted Runoff	This stream was posted for water contact due to elevated pathogens levels in runoff from a sludge composting facility. The facility corrected its problems and 2003 sampling indicated that water quality criteria were being met. The stream has been deposited.

**APPENDIX A: Streams on the 2002 303 (d) List That Have Been Delisted in 2004  
For Reasons Related to Water Quality**

Waterbody ID	2002 Impacted Waterbody	County	Partial	Not	2002 CAUSE (Pollutant)	2002 Pollutant Source	Reason For Delisting
TN05130202 220 – 0211	BAKERS SPRING RUN	Davidson		0.2	Nitrate Unionized Ammonia Pathogens	Discharges from MS4 area Industrial Permitted Runoff	This stream was posted for water contact due to elevated pathogens levels in runoff from a sludge composting facility. The facility corrected its problems and 2003 sampling indicated that water quality criteria were being met. The stream has been deposited.
TN05130203 015 – 0110	ARMSTRONG BRANCH	Rutherford		5.3	Low Dissolved Oxygen	Pasture Grazing	This stream was revisited in 2002 and was found to be dry. It is now thought that the appearance of biological impacts and the low DO measurement was due to very low flows rather than pollution. The assessment of the stream has been changed to “not assessed.”
TN05130203 023 – 0100 & 0150	WADES BRANCH	Rutherford		7.2	Loss of biological integrity due to siltation Other Habitat Alteration	Pasture Grazing	A siltation and habitat alteration TMDL was previously developed for this watershed and approved by EPA. This stream was reassessed in 2002 by TDEC. At mile 0.7 (Jefferson Pike), biorecon results indicated 11 EPT families, 8 intolerant, and 26 total families. Using the Division scoring system for biorecons, this stream scored a 15 (scale = 1 – 15). The stream got a habitat score of 125, which is better than the established habitat goal for this region. Stream has improved greatly since last assessed.
TN05130203 025 – 1000	CRIPPLE CREEK	Rutherford	7.7		Loss of biological integrity due to siltation	Pasture Grazing	A siltation and habitat alteration TMDL was previously developed for this watershed and approved by EPA. This stream was reassessed in 2002 by TDEC. At miles 0.7 (Rob Taylor Road), biorecon results indicated 8 EPT families, 3 intolerant, and 20 total families. Using the Division scoring system for biorecons, this stream scored a 15 (scale = 1 – 15). The stream got a habitat score of 146, which is better than the established habitat goal for this region. Water quality standards were also met at a chemical station located on the creek at mile 0.4. Stream has improved since last assessed.
TN05130203 026 – 3000	EAST FORK STONES RIVER	Cannon	11.1		Other Habitat Alterations	Removal of Riparian Vegetation	A siltation and habitat alteration TMDL was previously developed for this watershed and approved by EPA. This stream was reassessed in 2002 by TDEC. At mile 50.9 (Stones River Road at Witty Road), the stream was dry. It is now our opinion that the appearance of water quality impacts at this site during the previous 1997 assessment was due to periodic dryness rather than pollution effects.

**APPENDIX A: Streams on the 2002 303 (d) List That Have Been Delisted in 2004  
For Reasons Related to Water Quality**

Waterbody ID	2002 Impacted Waterbody	County	Partial	Not	2002 CAUSE (Pollutant)	2002 Pollutant Source	Reason For Delisting
TN05130204 001 – 0500	DOG CREEK	Williamson	3.8		Loss of biological integrity due to siltation  Other Habitat Alterations	Removal of Riparian Vegetation  Bank Destabilization	A siltation and habitat alteration TMDL was previously developed for this watershed and approved by EPA. This stream was reassessed in 2002 by TDEC. At mile 0.2 (Cedar Hill Road), bioecon results indicated 10 EPT families, 8 intolerant, and 24 total families. Using the Division scoring system for bioecon, this stream scored a 15 (scale = 1 – 15). The stream got a habitat score of 115, which is better than the established habitat goal for this region. The stream has improved since last assessed.
TN05130204 006 – 0500	BARREN FORK	Dickson Hickman	10.6		Loss of biological integrity due to siltation	Pasture Grazing	A siltation and habitat alteration TMDL was previously developed for this watershed and approved by EPA. This stream was reassessed in 2001 by TDEC. At mile 1.5 (Spencer Mill Road), bioecon results indicated 10 EPT families, 6 intolerant, and 22 total families. Using the Division scoring system for bioecon, this stream scored a 15 (scale = 1 – 15). The stream got a habitat score of 128, which is better than the established habitat goal for this region. The stream has improved since last assessed.
TN05130204 010 – 0500	BEDFORD CREEK	Williamson	5.0		Loss of biological integrity due to siltation  Other Habitat Alterations	Livestock in Stream	A siltation and habitat alteration TMDL was previously developed for this watershed and approved by EPA. This stream was reassessed in 2001 by TDEC. At mile 0.6 (Bedford Road), bioecon results indicated 11 EPT families, 8 intolerant, and 27 total families. Using the Division scoring system for bioecon, this stream scored a 15 (scale = 1 – 15). The stream got a habitat score of 110, which is similar to the established habitat goal for this region. The stream has improved since last assessed.
TN05130204 016 – 0500	ARRINGTON CREEK	Williamson	24.6		Loss of biological integrity due to siltation	Agriculture Land Development	A siltation and habitat alteration TMDL was previously developed for this watershed and approved by EPA. This stream was reassessed in 2002 by TDEC. At miles 1.8 (Cox Road), bioecon results indicated 10 EPT families, 7 intolerant, and 25 total families. Using the Division scoring system for bioecon, this stream scored a 15 (scale = 1 – 15). The stream got a habitat score of 115, which is similar to the established habitat goal for this region. The stream has improved since last assessed.  It should be noted that a small tributary to Arrington Creek, Paige Branch, is not included in this listing.

**APPENDIX A: Streams on the 2002 303 (d) List That Have Been Delisted in 2004  
For Reasons Related to Water Quality**

Waterbody ID	2002 Impacted Waterbody	County	Partial	Not	2002 CAUSE (Pollutant)	2002 Pollutant Source	Reason For Delisting
TN06010103 013 – 0210	SHELL CREEK	Carter	3.8		Other Habitat Alterations	Channelization	This stream was channelized in 1998, but has since recovered. This stream was reassessed in 2002 by TDEC. At miles 0.1 (U.S. Hwy 19E), bioecon results indicated 20 EPT genera, 18 intolerant, and 32 total genera. Using the Division scoring system for bioecon, this stream scored a 11 (scale = 1 – 15). The stream got a habitat score of 156, which is better than the established habitat goal for this region.
TN06010103 013 – 2000	DOE RIVER	Carter	6.4		Other Habitat Alterations	Channelization	This stream was channelized in 1998, but has since recovered. This stream was reassessed in 2001 by TVA. At a sampling station near the Doe River Gorge, bioecon results indicated 23 EPT families, 17 intolerant, and 41 total genera. Using the Division scoring system for bioecon, this stream scored a 15 (scale = 1 – 15).
TN06010201 038 – 1000	TOWN CREEK	Loudon	12.9		Other Habitat Alterations Loss of biological integrity due to siltation	Pasture Grazing Land Development Hydromodification	This stream was reassessed in 2002 by TDEC. At mile 0.5 (Bon Road), an RBPIII survey indicated that Tennessee's biocriteria are being met (20 EPT genera, 19 total genera. Using the Division scoring system for RBPIII, this stream scored a 36, which easily passed. At mile 2.1 (Kingston Road), a second RBPIII was performed with similar results (10 EPT genera, 21 total genera, index score = 38). The sites received habitat scores of 134 and 152, respectively, which is better than the established habitat goal for this region.
TN06020002 081 - 0100	CANE CREEK	McMinn	13.7		Pathogens	Urban Runoff/Storm Sewers Pasture Grazing	The city of Etowah STP historically discharged to this stream which was previously assessed as impacted by pathogens due to sampling results from the 1990s. The stream was reassessed in 2002-2003 by TDEC, after the STP discharge was moved to another stream.. At mile 1.5 (Carlock Road), only one out of 18 E. coli observations were over Tennessee's single sample maximum value of 941 cfu. The stream has clearly improved and should no longer be listed.
TN06020002 084 - 0500	LITTLE NORTH MOUSE CREEK	McMinn	8.5		Pathogens	Pasture Grazing	This stream was previously assessed as impacted by pathogens due to sampling results from the 1990s. The stream was reassessed in 2002-2003 by TDEC. At mile 0.1 (Highway 250), only one out of twenty-four E. coli observations were over Tennessee's single sample maximum value of 941 cfu. The stream has clearly improved and should no longer be listed.



**APPENDIX A: Streams on the 2002 303 (d) List That Have Been Delisted in 2004  
For Reasons Related to Water Quality**

Waterbody ID	2002 Impacted Waterbody	County	Partial	Not	2002 CAUSE (Pollutant)	2002 Pollutant Source	Reason For Delisting
TN06030003 051 – 0200	BLUE SPRING CREEK	Coffee	13.0		Other Habitat Alterations	Nonirrigated Crop Production	This stream was reassessed in 2003 by TDEC. At mile 0.8 (Old Hillsborough Road), a bioecon survey indicated 11 EPT families, 8 intolerant families, and 25 total families. Using the Division scoring system for bioecons, this stream scored a 15, which easily passed. (Scale = 1 –15). The stream received a habitat score of 136, which is better than the established habitat goal for this region.
TN06030005 084 – 1000	LITTLE SHOAL CREEK	Lawrence	20.7		Loss of biological integrity due to siltation	Pasture Grazing	This stream was reassessed in 2003 by TDEC. At mile 1.5 near David Crockett State Park, a bioecon survey indicated 11 EPT families, 3 intolerant families, and 28 total families. Using the Division scoring system for bioecons, this stream scored a 13, which easily passed. (Scale = 1 –15). The stream received a habitat score of 140, which is better than the established habitat goal for this region. The Little Shoal is documented habitat for a federally listed fish: the slackwater darter ( <u><i>Etheostoma boschungii</i></u> ).
TN06030005 106 – 0100	GRASSY CREEK	Wayne Hardin	14.9		Loss of biological integrity due to siltation Other Habitat Alterations	Livestock in Stream Dredging	This stream was previously assessed as being impacted by dredging activities for gravel for road construction. This activity has ceased and the stream appears to have improved. This stream was reassessed in 2002 by TDEC. At mile 0.4 (Grassy Creek Road), a bioecon survey indicated 11 EPT genera, 8 intolerant genera, and 23 total genera. Using the Division scoring system for bioecons, this stream scored a 15, which easily passed. (Scale = 1 –15). The stream received a habitat score of 159, which is much better than the established habitat goal for this region.

**APPENDIX B: Streams on the 2002 303 (d) List That Have Been Delisted in 2004  
For Reasons Not Related to Water Quality**

<b>Water body ID</b>	<b>2002 Impacted Waterbody</b>	<b>County</b>	<b>Impaired Mileage</b>	<b>2002 CAUSE (Pollutant)</b>	<b>2002 Pollutant Source</b>	<b>Reason For Delisting</b>
TN060 20001 007 – 0200	UNNAMED TRIBUTARY TO SOUTH CHICKAMAUGA CR.	Hamilton	1.1	Alterations of stream-side or littoral vegetative cover	Hydromodification	<p>The unnamed tributary to South Chickamauga Creek was 303(d) listed in 2002 after the completion of habitat alterations authorized by the division under an Aquatic Resource Alteration Permit. The Water Quality Control Act prohibits permitted activities that result in a violation of water quality standards. When unavoidable impacts to waters of the state are authorized, the applicant must mitigate for any appreciable loss of resource value.</p> <p>Because the impacts to the stream were not caused by a pollutant, the Division proposes delisting the stream for habitat alterations in the basis that it should be in Category 4c. According to current listing guidance, TMDLs are not required on streams in this category (4c).</p> <p>However, it should be noted that in addition to habitat alteration, the stream is also listed for organic enrichment/low DO and pathogens. The stream will remain listed for these causes.</p>

## APPENDIX C: Federally Listed Endangered Aquatic Species in the State of Tennessee

<b>Scientific Name</b>	Common Name	Status	Total Obs.	Pre-1975 obs.	Post-1975 obs.	HUC location of endangered species post-1975	Extirpated since 11/1975	When Listed	Federal Register Citation
<b>Fish</b>									
<i>Cyprinella caerulea</i>	Blue shiner	T	9	1 obs. 1974	8 obs. 1982-2000	03150101	No	462	57 FR 14790; April 22, 1992
<i>Cyprinella monacha</i>	Spotfin chub	T	38	17 obs. 1936-08/1975	21 obs. 1977-2000	06010208 06010204 06010104 06010101 06010205 06010206 06040004	No	28	42 FR 45528; Sept. 9, 1977
<i>Erimystax cahni</i>	Slender chub	T	15	5 obs. 1941-1974	10 obs. 1979-1993	06010205 06010206 05130108	No	28	42 FR 45528; Sept. 9, 1977
<i>Etheostoma boschungii</i>	Slackwater darter	T	15	5 obs. 1971-1974	10 obs. 1976-1994	06040004 06030005 06030002	No	28	42 FR 45528; Sept. 9, 1977
<i>Etheostoma percnurum</i>	Duskytail darter	E	11	1 obs. 1947	10 obs. 1992-2000	06010201 05130104 06010201 06010204	No	502	58 FR 25763; April 27, 1993
<i>Etheostoma wapiti</i>	Boulder darter	E	11	0	11 obs. 1983-2001	06030004 06030003	No	322	53 FR 33998; Sept. 1, 1988
<i>Notropis albizonatus</i>	Palezone shiner	E	2	1 obs. 1936	1 obs. 1978	06010205	Yes*	502	58 FR 25763; April 27, 1993
<i>Noturus baileyi</i>	Smoky madtom	E	16	1 obs. 1957	15 obs. 1981-1995	06010204	No	163	49 FR 43069; Oct. 26, 1984
<i>Noturus flavipinnis</i>	Yellowfin madtom	T	11	5 obs. 1884-1970	6 obs. 1981-1998	06010206 06010204 06010207	No	28 Or 317	42 FR 45528; Sept. 9, 1977 Or 53 FR 29337; Aug. 4, 1988
<i>Noturus stanauli</i>	Pygmy madtom	E	5	1 obs. 1974	4 obs. 1978-1996	06040003 06010205	No	502	58 FR 25763; April 27, 1993
<i>Percina antesella</i>	Amber darter	E	6	3 obs. 1969-1973	3 obs. 1976-1978	05130101	No	196	50 FR 31603; Aug. 5, 1985
<i>Percina jenkinsi</i>	Conasauga logperch	E	7	3 obs. 1969	4 obs. 1985-2001	03150101	No	196	50 FR 31603; Aug. 5, 1985

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<b>Scientific Name</b>	Common Name	Status	Total Obs.	Pre-1975 obs.	Post-1975 obs.	HUC location of endangered species post-1975	Extirpated since 11/1975	When Listed	Federal Register Citation
<i>Percina tanasi</i>	Snail darter	T	47	3 obs. 1974-09/1975	44 obs. 1976-2000	06010201 06020001 06020002 06010204 06020004 06030004 06010104 06010108 06010107 06010201 06020003	No	12  Or  150	40 FR 47506; Oct. 9, 1975  Or  49 FR 27514; July 5, 1984
<i>Phoxinus cumberlandensis</i>	Blackside dace	T	26	0	26 obs. 1985-2000	05130101	No	273	52 FR 22585; June 12, 1987
<i>Scaphirhynchus albus</i>	Pallid sturgeon	E	3	0	3 obs. 1990	08010100	No	399	55 FR 36647; Sept. 6, 1990
<b>Crustaceans</b>									
<i>Orconectes shoupi</i>	Nashville crayfish	E	57	0	57 obs 1981-2000	5130202	No	242	51 FR 34412; Sept. 26, 1986
<b>Mollusca</b>									
<i>Alasmidonta atropurpurea</i>	Cumberland elktoe	E	19	0	19 obs. 1978-2000	05130104 05130107	No	602	62 FR 1657; Jan. 10, 1997
<i>Alasmidonta raveneliana</i>	Appalachian elktoe	E	1	0	1 obs. 1992	06010108	Yes*	563	59 FR 60334; Nov. 23, 1994
<i>Cyprogenia stegaria (irrorata)</i>	Eastern fanshell pearlymussel	E	30	4 obs 1936-1974	26 obs 1978-1999	05130108 06010205 06020001 06040001	No	391	55 FR 25595; June 21, 1990
<i>Dromus dromas</i>	Dromedary pearlymussel	E	71	32 obs 1899-1964	39 obs 1975-1999	05130108 05130201 06010205 06010206 06020001	No	15	41 FR 24064; June 14, 1976

## APPENDIX C: Federally Listed Endangered Aquatic Species in the State of Tennessee

<b>Scientific Name</b>	Common Name	Status	Total Obs.	Pre-1975 obs.	Post-1975 obs.	HUC location of endangered species post-1975	Extirpated since 11/1975	When Listed	Federal Register Citation
<i>Epioblasma brevidens</i>	Cumberlandian combshell	E	46	0	46 obs 1975-2000	05130104 05130108 05130201 05130202 06010205 06010206 06040002 06040003	No	602	62 FR 1657; Jan. 10, 1997
<i>Epioblasma capsaeformis</i>	Oyster mussel	E	38	0	38 obs 1979-2000	05130108 06010205 06010206 06040002	No	602	62 FR 1657; Jan. 10, 1997
<i>Epioblasma florentina florentina</i>	Yellow-blossom pearlymussel	E	25	23 obs 1913-1973	2 obs 1979-1981	05130201	Yes*	15	41 FR 24064; June 14, 1976
<i>Epioblasma metastrata</i>	Upland combshell	E	1	1 obs pre-1974	0	03150101	Yes*	495	58 FR 14339; March 17, 1993
<i>Epioblasma obliquata obliquata</i>	Purple cat's paw pearlymussel	E	2	0	2 obs 1979-1982	05130201	No	394	55 FR 28213; July 10, 1990
<i>Epioblasma torulosa gubernaculum</i>	Green-blossom pearlymussel	E	13	11 obs 1913-1935	2 obs 1975-1979	06010205 06010206	Yes*	15	41 FR 24064; June 14, 1976
<i>Epioblasma torulosa torulosa</i>	Tubercled-blossom pearlymussel	E	8	6 obs 1919-1965	2 obs 1981	05130201	Yes*	15	41 FR 24064; June 14, 1976
<i>Epioblasma turgidula</i>	Turgid-blossom pearlymussel	E	17	16 obs pre-1886-1972	1 obs 1979	06040003	Yes*	15	41 FR 24064; June 14, 1976
<i>Fusconaia cor (edgariana)</i>	Shiny pigtoe	E	56	16 obs 1913-1967	40 obs 1975-1998	06010205 06010206 06030003	No	15	41 FR 24064; June 14, 1976
<i>Fusconaia cuneolus</i>	Fine-rayed pigtoe	E	49	21 obs 1899-1973	28 obs 1978-1998	06010101 06010201 06010205 06010206 06030003	No	15	41 FR 24064; June 14, 1976
<i>Hemistena lata</i>	Cracking pearlymussel	E	33	9 obs 1914-1970	24 obs 1975-1999	06010205 06010206 06030003 06040001	No	36	43 FR 12691; March 27, 1978

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<b>Scientific Name</b>	Common Name	Status	Total Obs.	Pre-1975 obs.	Post-1975 obs.	HUC location of endangered species post-1975	Extirpated since 11/1975	When Listed	Federal Register Citation
<i>Lampsilis abrupta</i>	Pink mucket pearlymussel	E	81	12 obs 1920-1973	69 obs 1975-2001	05130108 05130201 06010104 06010107 06010201 06010205 06010207 06020001 06040001 06030001 06040005	No	15	41 FR 24064; June 14, 1976
<i>Lampsilis virescens</i>	Alabama lampmussel	E	6	5 obs 1915-1974	1 obs 1995	06030002	Yes*	15	41 FR 24064; June 14, 1976
<i>Medionidus parvulus</i>	Coosa moccasinshell	E	8	1 obs 1973	7 obs 1997-1999	03150101	No	495	58 FR 14339; March 17, 1993
<i>Obovaria retusa</i>	Ring pink mussel	E	14	7 obs 1924-1964	7 obs 1978-1999	05130201 06040001	No	369	54 FR 40112; Sept. 29, 1989
<i>Pegias fabula</i>	Little-wing pearlymussel	E	11	5 obs 1914-1966	6 obs 1981-2000	05130104 05130107 05130108	No	342	53 FR 45865; Nov. 14, 1988
<i>Plethobasus cicatricosus</i>	White wartyback pearlymussel	E	11	4 obs 1956-1964	7 obs 1978-1987	05130201 06040001	No	15	41 FR 24064; June 14, 1976
<i>Plethobasus cooperianus</i>	Orange-foot pimpleback pearlymussel	E	41	19 obs 1895-1970	22 obs 1978-1999	05130201 06010201 06010206 06020001 06040001	No	15	41 FR 24064; June 14, 1976
<i>Pleurobema clava</i>	Clubshell	E	3	0	3 obs 1978-1992	5130108 06040001	No	488	58 FR 5642; Jan. 22, 1993
<i>Pleurobema georgianum</i>	Southern pigtoe	E	11	1 obs pre-1975	10 obs 1995-1997	03150101	No	495	58 FR 14339; March 17, 1993
<i>Pleurobema gibberum</i>	Cumberland pigtoe	E	13	0	13 obs 1976-1998	05130107 05130108 06030003	No	423	56 FR 21087; May 7, 1991
<i>Pleurobema plenum</i>	Rough pigtoe	E	17	3 obs 1920-1964	14 obs 1979-1998	05130201 06010205 06020001 06040001	No	15	41 FR 24064; June 14, 1976

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Total Obs.</b>	<b>Pre-1975 obs.</b>	<b>Post-1975 obs.</b>	<b>HUC location of endangered species post-1975</b>	<b>Extirpated since 11/1975</b>	<b>When Listed</b>	<b>Federal Register Citation</b>
<i>Ptychobranthus greeni</i>	Triangular kidneyshell	E	2	0	2 obs 1980-1995	03150101	Yes*	495	58 FR 14339; March 17, 1993
<i>Quadrula cylindrica strigillata</i>	Rough rabbitfoot	E	24	1 obs 1960	23 obs 1975-1999	06010205 06010206	No	602	62 FR 1657; Jan. 10, 1997
<i>Quadrula intermedia</i>	Cumberland monkeyface pearlymussel	E	45	15 obs 1900-1973	30 obs 1975-2001	06010206 06030003 06040002	No	15	41 FR 24064; June 14, 1976
<i>Quadrula sparsa</i>	Appalachian monkeyface pearlymussel	E	11	2 obs 1958-1964	9 obs 1976-1998	05130201 06010206	No	15	41 FR 24064; June 14, 1976
<i>Toxolasma cylindrellus</i>	Pale lilliput pearlymussel	E	13	10 obs 1886-1970	3 obs 1982-1995	06030002 06040002 06040003	Yes*	15	41 FR 24064; June 14, 1976
<i>Villosa perpurpurea</i>	Purple bean	E	10	3 obs 1913-1970	7 obs 1985-2000	06010104 06010208	No	602	62 FR 1657; Jan. 10, 1997
<i>Villosa trabalis</i>	Cumberland bean pearlymussel	E	17	4 obs 1913-1939	13 obs 1980-2000	05130104 05130108 06010104 06010208 06020002	No	15	41 FR 24064; June 14, 1976
<b>Snails</b>									
<i>Athearnia anthonyi</i>	Anthony's River Snail	E	14	6 obs 1941-1965	8 obs 1975-1994	06010201 06010205 06020004 06030001	No	538	59 FR 17998; April 15, 1994
<i>Pyrgulopsis (Marstonia) ogmorhapse</i>	Royal marstonia (Obese snail)	E	4	0	4 obs 1997	03150101	No	538	59 FR 17998; April 15, 1994

\*Note: None of the extirpated species have been found on segments listed as partially or non-supporting on the 2002 303(d) List. See the 2002 303 (d) List for endangered species located on partially or not-supporting waterbody segments.

Status:

E = Endangered

T = Threatened

