

**Final Version**

**YEAR 2006**

**303(d) LIST**

August, 2006



**TENNESSEE DEPARTMENT OF ENVIRONMENT  
AND CONSERVATION**

**Division of Water Pollution Control  
Planning and Standards Section  
6th Floor, L & C Annex  
401 Church Street  
Nashville, Tennessee 37243-1534**



## Table of Contents

	Page
Guidance for Understanding and Interpreting the Final 303(d) List	1
2006 Public Meeting Schedule	8
Summary of Public Comments and Division Responses	9
Key to the 303(d) List	25
TMDL Priorities	26
Final 2006 303(d) List	27
Barren River Watershed	27
Upper Cumberland Basin	27
Obey River Watershed	30
Cordell Hull Watershed	31
Collins River Watershed	31
Caney Fork River Watershed	32
Old Hickory Watershed	37
Cheatham Reservoir Watershed	38
Stones River Watershed	42
Harpeth River Watershed	48
Barkley Reservoir Watershed	56
Red River Watershed	56
North Fork Holston River Watershed	58
South Fork Holston River Watershed	59
Watauga River Watershed	63
Holston River Basin	66
Upper French Broad River Basin	68
Lower French Broad River Basin	70
Nolichucky River Watershed	74
Upper Tennessee River Basin	83
Little Tennessee River Basin	93
Upper Clinch River Watershed	94
Upper Powell River Watershed	95
Lower Clinch River Watershed	96
Emory River Watershed	100
Lower Tennessee Basin	102
Hiwassee River Watershed	107
Conasauga River Watershed	111
Ocoee River Watershed	111
Sequatchie River Watershed	113
Guntersville Reservoir	114
Wheeler Lake Watershed	115
Elk River Basin	116

**Table of Contents (cont.)**

Pickwick – Shoal Creek Basin	120
Upper Kentucky Reservoir	121
Duck River Basin	122
Buffalo River	131
Lower Kentucky Reservoir	132
East Fork Clarks River	134
Mississippi River Basin	134
Obion River Basin	136
South Fork Obion River	140
North Fork Forked Deer River	142
South Fork Forked Deer River	148
Hatchie River Basin	150
Loosahatchie River Basin	153
Wolf River Basin	156
Nonconnah Creek	160

**APPENDICES**

Appendix A. Streams (or pollutants) on the 2004 303(d) List That Have Been Delisted in 2006 For Reasons Related to Water Quality	163
Appendix B. Federally Listed Endangered Aquatic Species In the State Of Tennessee	170

# GUIDANCE FOR UNDERSTANDING AND INTERPRETING THE FINAL 2006 303(d) LIST

November, 2006

## ***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 2006 303(d) List will update and replace the previous one published in 2004.

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 2006**

### **Reassessment of Group 3 and Partial Reassessment of Group 4 Watersheds.**

In developing the draft 2006 assessment, the Division used all readily available information. Consistent with the Division’s watershed approach, the major difference between the 2004 and 2006 versions of the List is the reassessment of the Group 3 and 4 watersheds. It is in these areas of the state that the reviewer will note the most significant assessment changes.

When the assessments for the Group 4 watersheds were undertaken, chemical data were available. However, many of the RBPIII biological samples had not yet been fully processed. (In an RBPIII survey, invertebrate collections are taken to a laboratory for identification to genera.) As a result of the department’s desire to meet the statutory deadline of April 1, 2006 for completing the assessment, only chemical data could be used in this revision. For Group 4 watersheds, the biological results will be incorporated later in 2006.

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

In the 2006 303(d) List, we have continued the use of EPA’s new assessment categories. These categories are explained in more detail on the following page.

### **303(d) ASSESSMENT CATEGORIES USED IN 2006**

The assessment categories suggested by EPA have been incorporated into the development of the 2006 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 segments impacted by flow alteration into Category 4C, if no additional pollutants were present. Tennessee does not feel that TMDLs are helpful in flow alteration scenarios.
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.

***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 2005 and early 2006. 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.

Details of the monitoring design and assessment process are provided in TDEC’s *Quality Assurance Project Plan (QAPP) for 106 Monitoring in the Division of Water Pollution Control*. This document is posted on the department’s webpage.

***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 either unassessed or unpolluted.

***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, the National Park Service, and the Office of Surface Mining were contacted directly as none of these agencies currently use STORET.

In December of 2005, the Division issued a public notice informing Tennesseans that a statewide water quality assessment would be performed in 2006. 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.

If, during the review process for the draft 303(d), additional water quality data are brought to our attention, we will try to factor those into our final decision concerning the status of a stream.

**Agency Data Submitted for Consideration in the 2006 303(d) Assessment Process**

<b>Agency</b>	<b>Physical Data</b>	<b>Biological Data</b>	<b>Chemical Data</b>	<b>Bacteriological Data</b>
US Army Corp of Engineers	X	X	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		
National Park Service, Great Smoky Mountains National Park (Chemical and physical data collected by the University of Tennessee.)	X	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.

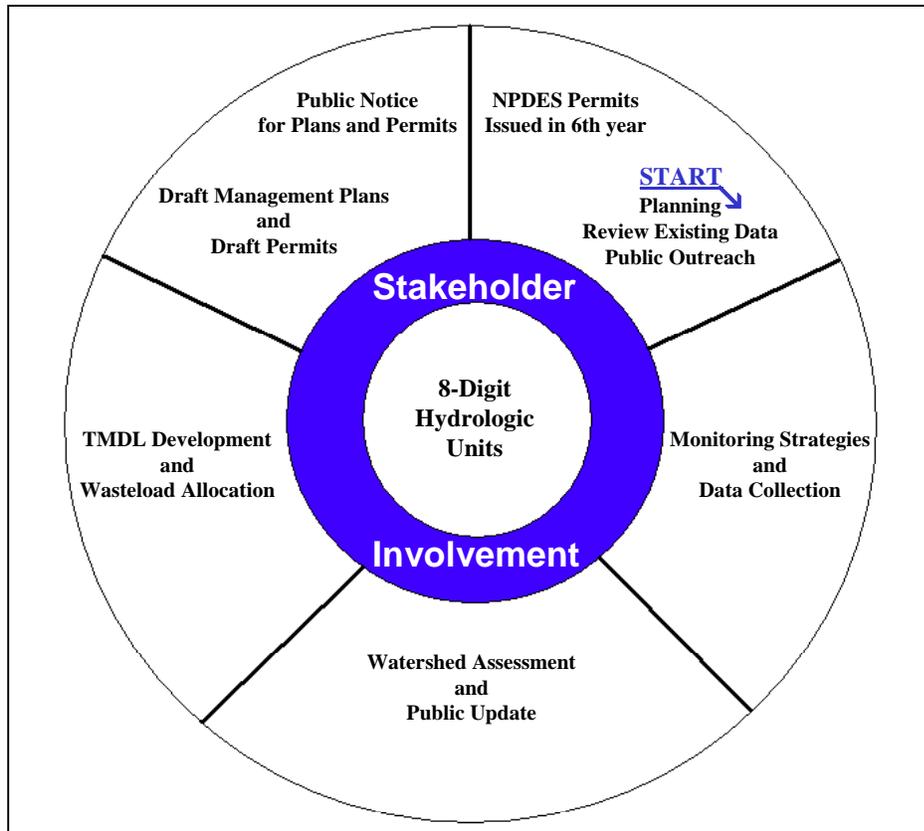
**Year 3** Collect water quality data.

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

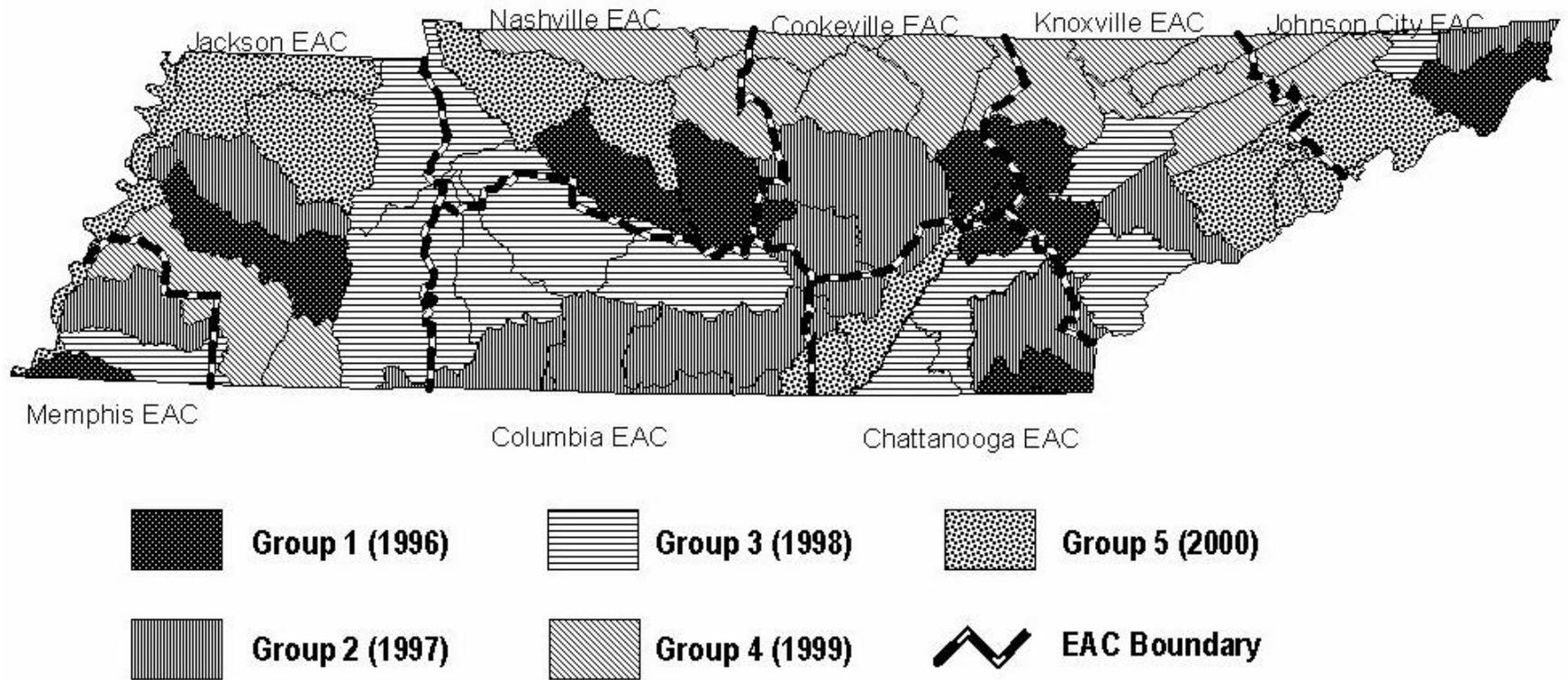
**Year 5** Publish a watershed plan, which includes the proposed actions to be taken to insure that water quality standards will be met. Issue draft NPDES permits and hold public hearings.

**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 agricultural or forestry activities, provide information and technical assistance to other 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?**

Following the publication of the draft 303(d) in March, 2006, the Division accepted written comments until August 3, 2006. Additionally, citizens were given the opportunity to make verbal comments at a series of public meetings held in May. The list of these meetings appears on the next page.

A formal response was prepared for each comment and 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.

### **On What Basis Does EPA Approve Tennessee's 303(d) List?**

Here are some general evaluation criteria used by EPA in their review of the list (not prioritized):

1. Did Tennessee use all "readily available data" in the water quality assessment process?
2. Was the public provided an opportunity to participate in the development of the list?
3. Is the document consistent with federal regulations? Additionally, did the state follow its own rules and guidance documents in assessing water quality?

Questions about the EPA approval process should be directed to EPA, Region 4 in Atlanta.

## 2006 303(d) List Public Meeting Schedule

<b>WATERSHED</b>	<b>DATE</b>	<b>LOCATION</b>	<b>LOCAL TIME</b>
<b>Southeastern Tennessee</b>	May 15, 2006	Chattanooga EFO Main Auditorium State Office Building 540 McCallie Ave, Chattanooga	1:30 pm
<b>Middle Tennessee</b>	May 17, 2006	Ruth Neff Conference Room 17 <sup>st</sup> Floor, L & C Tower 401 Church Street, Nashville	1:30 pm
<b>Upper East Tennessee</b>	May 18, 2006	Sycamore Shoals State Park Visitors Center Auditorium 1651 West Elk Avenue, Elizabethton	7:00 pm
<b>East Tennessee</b>	May 19, 2006	Knoxville EFO West Conference Room 2700 Middlebrook Pike, Knoxville	1:30 pm
<b>West Tennessee</b>	May 22, 2006	Jackson EFO Conference Room 1625 Hollywood Drive, Jackson	1:30 pm
<b>West Tennessee</b>	May 23, 2006	Memphis EFO Conference Room Suite E-645 Perimeter Park 2510 Mount Moriah Road, Memphis	1:30 pm

## Final Version of the 2006 303(d) List

### 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

**Comment I-1.** *The Department's original publication of two different ending dates for public review of the draft 303(d) list was confusing.*

**Response:** When the Department realized that this error had been made, we notified the public that the later date would be honored. We regret any confusion this caused.

**Comment I-2.** *The public needs maps within the 303(d) in order to be able to review the stream listings.*

**Response:** The department feels that the interactive mapping service it maintains on the University of Memphis's server is a more useful resource than maps at the scale that would be possible within the 303(d). A link to the mapping service is posted on our webpage: <http://state.tn.us/environment/water.shtml>

**Comment I-3.** *The water quality assessment mapping service on the University of Memphis server is too difficult for citizens to use.*

**Response:** When the link to the mapping service is activated, a tutorial appears which describes how to use the site. Additionally, division staff have on numerous occasions assisted people having trouble with the site.

**Comment I-4.** *The department should make maps for people that request them.*

**Response:** The department tries to provide assistance to people when requested. However, our ability to mass-produce and distribute maps may be more limited than the commenter envisions. That is one of the reasons that the department maintains the water quality database on the University of Memphis server that can be used by the public to produce maps.

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

**Response:** Our approach to scheduling public meetings is to consider previous attendance patterns in an area. Evening meetings are scheduled in areas in which participation has occurred in the past.

**Comment 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 issues raised by the other commenters.

## **II. GENERAL COMMENTS: Use of General Water Quality Criteria**

**Comment II-1.** *Tennessee has not yet gone to EPA recommended recreational criterion for mercury which is based on a fish tissue level of 0.3 parts per million. As a result, consumers of Tennessee fish are less protected and streams that should be 303(d) listed, are not.*

**Response:** The commenter is correct that Tennessee has not yet adopted the fish-tissue based national water quality criterion for mercury. The reason for this is that EPA has not yet completed its implementation guidance document.

In the meantime, we have proposed a revision to the water quality criteria to make it clear that when considering the need for fishing advisories, the Commissioner has flexibility to consider criteria other than the ones published by the Food and Drug Administration.

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

**Comment III-1.** *Any stream assessed as impacted by flow alteration should be placed in Category 4c rather than Category 5 since loss of flow is not a pollutant in the sense that a TMDL can be developed.*

**Response:** We agree and will indicate on any stream in which flow alteration is identified as a cause of impairment that the TMDL priority is "not applicable." However, please note that streams impacted by pollutants in addition to flow alteration will need to remain in Category 5.

**Comment III-2.** *While the commenter appreciates that the division requested data for use in the statewide assessment of water quality, more than six weeks should have been given to the public to collect samples and report data.*

**Response:** The statutory responsibility of each state is to report statewide water quality conditions every even-numbered year. The goal of our December, 2005, public notice was to request that citizens submit any readily available data so that they could be incorporated into the 2006 assessment. The public notice did not intend to encourage people to think in terms of designing new monitoring efforts, collecting samples, and reporting results to the division in the short period of time provided.

**Comment III-3.** *The division should not have changed from the previously used system of “fully, partially, and not supporting designated uses” to the system used now based on categories.*

**Response:** EPA asked that states make this change as part of a change to an integrated 303(d)/305(b). Because the “category system” helps account for the need for a TMDL in each stream, we prefer to use this system on the 303(d).

**Comment III-4.** *It is difficult for the public to determine trends in water quality from the way information is presented in the 303(d) List.*

**Response:** Identifying trends in water quality, where possible, is more the job of the narrative 305(b) Report. The 303(d) List is simply a compilation of stream segments violating water quality. The number of segments on the list is based on the precision in which streams are subdivided and in the last ten years, it has been Tennessee’s policy to try to make listed segments as precise as possible with existing data. Thus, our listed segments tend to be smaller and more numerous.

The 305(b) can be accessed on the Department’s web page at:

<http://state.tn.us/environment/wpc/publications/2006305b.pdf>

**Comment III-5.** *The information in the 303(d) List should match the assessment information in the 305(b) Report.*

**Response:** The commenter did not identify any specific areas in which the two documents do not agree. Generally, they do match. However, the 2006 305(b) was released in final form on March 31 while the 303(d) was published as a draft. Changes to the 303(d) List made in response to public comments might lead to small differences between the two reports.

**Comment III-6.** *The 303(d) listings should tell which uses are impacted and how bad the pollution is.*

**Response:** This level of detail has not traditionally been included in the 303(d) List. However, it is stored in the division's assessment database and is reported in the 305(b) Report.

**Comment III-7.** *The commenter feels that "it is important that the list fully and accurately inform the public" regarding improvements made in stream segments.*

**Response:** While we agree that it is important for the department to provide information to the public concerning the status of stream segments and any efforts to improve or restore them, the 303(d) is not necessarily the best vehicle for this level of detail. Other departmental documents, such as the 305(b) Report, TMDLs, and Watershed Management Plans are better suited for this purpose. The primary goal of a 303(d) listing is to provide the reviewer with information concerning the basis for the listing and the strategy for TMDL development.

#### **IV. GENERAL COMMENTS: Miscellaneous**

**Comment IV-1.** *The commenter believes that the department does not aggressively pursue enforcement cases and that certain interest groups have an unofficial exemption from water quality regulations.*

**Response:** The department's goal in implementing Tennessee's clean water laws is to insure compliance by whichever technique, or combination of techniques, works best. At times, education and technical assistance is needed. At other times, enforcement is necessary to remove the economic advantage that might be gained from noncompliance and also to compensate the citizens of Tennessee for the loss of a resource. Even the two categories of activities that do not require a permit – agriculture and forestry activities – must be undertaken in a way that does not cause pollution.

**Comment IV-2.** *The department should reconsider the agriculture and silviculture exemptions.*

**Response:** These exemptions were put in the statute by the General Assembly. Revision of the law would be required to enact this change.

**Comment IV-3** *According to USGS, 60% of the rivers and streams are polluted by pesticide runoff from farms. This does not seem to be reflected in the 303(d) List.*

**Response:** We are aware that studies have shown that pesticides can be detected at very low concentrations in many surface waters, especially during certain times of the year. However, we are not aware of any streams in Tennessee that violate water quality criteria due to pesticides from farms and do not believe that USGS has identified any that do.

**Comment IV-4** *Cattle and other livestock should not have free access to streams.*

**Response:** We agree and are very supportive of programs that assist farmers to water their cattle and provide lounging areas away from streams.

**Comment IV-5** *The full extent of impacts to surface waters from landfills is not well documented in the 2006 303(d) List.*

**Response:** Where we have data documenting water quality standard violations in streams from landfills, we have listed the segment. According to the 2006 305(b) Report, 46 miles of streams are considered impacted by landfills.

**Comment IV-6** *The true extent of impacts to surface waters from construction activities is not fully documented in the 2006 303(d) List.*

**Response:** Silt is the most frequently cited pollutant in streams in Tennessee and in a significant number of cases, the source is construction activities. However, the commenter may be correct that the extent of construction impacts is not fully quantified. Pollution originating from construction sites tends to be episodic by nature and we're not always there to document impacts as they occur. Where we have data documenting water quality standard violations in streams from construction sites, we have listed the segment.

**Comment IV-7** *The commenter disagrees with the targeting of certain agricultural funding sources to streams on the 303(d) List. Monies should be available to prevent stream impacts as well as to restore impacted segments.*

**Response:** While the department is not the decision-maker on how the various sources of agricultural assistance funds are targeted, we support the direction of funding towards restoration of impaired streams. According to the Tennessee

Department of Agriculture, there are numerous sources of assistance and only one has been specifically targeted to 303(d) listed streams.

**Comment IV-8.** *According to EPA's Toxics Release Inventory, there are a number of facilities discharging mercury to Tennessee waters. Additionally, coal-fired power plants both in Tennessee and nearby states such as Alabama add mercury to the atmosphere. What steps has Tennessee taken to ensure that these facilities are not causing a public health issue?*

**Response:** This question goes beyond the scope of the 303(d) Listing process. Generally, multiple agencies, plus members of the regulated community, have collected and analyzed fish from waters throughout Tennessee. At the trigger points currently used, the obvious mercury issues are limited to the North Fork Holston River and to East Fork Poplar Creek.

Some of these historical fish tissue data are in STORET and can be accessed at EPA's webpage. Agencies can also be contacted directly for data. Some of the Department's fish tissue data are available in a report on our webpage at: <http://state.tn.us/environment/wpc/publications/FishReport9297.pdf>. Information concerning fish tissue advisories has been posted on the Department's webpage: <http://state.tn.us/environment/wpc/publications/advisories.pdf>

**Comment IV-9.** *TVA requests that segments TN06010102014\_1000, TN06010104001\_2000, TN06010107006\_2000, TN06010207019\_2000, and TN06030003015\_1000 be modified so that the following language appears in the comment field: "TVA has taken action to improve dissolved oxygen and flow conditions downstream of the dam."*

**Response:** We will adjust the language already in these comments fields as requested. We note that not all of these segments are assessed as being impacted by both dissolved oxygen and flow issues.

**Comment IV-10.** *TVA requests that segments TN06010201001\_2000 and TN06040002030\_1000 be modified so that the following language appears in the comment field: "TVA has taken action to improve dissolved oxygen conditions downstream of the dam."*

**Response:** We will adjust the language already in these comments fields as requested.

**Comment IV-11.** *The commenter notes that although several streams in the Nashville area, including Otter Creek, the Little Harpeth, and Beech Creek are identified as being impacted by “land development,” apparently the department still allows construction to continue in these watersheds.*

**Response:** Permits must be obtained for construction sites larger than one acre. Permits are written to prevent the type of water quality impacts noted by the commenter. The permitting process does not presume that new construction sites will be in noncompliance with permit requirements.

Additionally, the provisions of stormwater construction permits are more stringent along silt-impaired streams. (And in high quality streams also.) For example, buffer zones along streams must be maintained.

Storm water runoff from development is also controlled through a Municipal Separate Storm Sewer System (MS4) permit issued by the state to Metropolitan Nashville and Davidson County.

**Comment IV-12.** *The title of Appendix A is misleading in that some of these streams are not being completely delisted.*

**Response:** The commenter is correct that in some cases, a stream in Appendix A is only being delisted for certain pollutants and remains on the list for other things. We will revise this heading.

## V. SPECIFIC COMMENTS

**Comment V-1.** *Should White Oak Creek (TN05130101016\_0100) be listed for E. coli?*

**Response:** We reviewed this assessment and agree that the frequency of E. coli violations justifies the addition of this pollutant to the existing listing for this stream.

**Comment V-2.** *TVA supports the placement of Caney Fork section TN05130108025\_1000 into Category 4c due to impacts caused by a condition (flow alteration) rather than a pollutant.*

**Response:** No response needed.

**Comment V-3.** *Spencer Creek in Wilson County (TN05130201001T\_1400) is listed in the draft 303(d) even though information stored in the division's assessment database indicate that water quality has improved.*

**Response:** The commenter is correct. Spencer Creek should have been moved to Appendix A as a stream where water quality has improved and water quality standards are no longer being violated.

**Comment V-4.** *The mileage for the impaired section of Wartrace Creek in Robertson County is incorrect. There are less than 6.8 miles of the creek below the dam.*

**Response:** The commenter is correct. We will change this mileage to 0.72 miles.

**Comment V-5.** *The East Fork of the Stones River should be identified as impacted by the landfill adjacent to the river.*

**Response:** The commenter did not explain why they believe the river is impacted, other than the presence of the landfill. We are not aware of data documenting violations of water quality standards in this area.

**Comment V-6.** *The streams in the vicinity of the Dickson County Landfill should be identified as impacted by trichloroethylene (TCE).*

**Response:** TCE is known to contaminate ground water in the area around the landfill, but is not documented in surface waters at levels that impact uses.

**Comment V-7.** *The ground water in the vicinity of the Dickson County Landfill should be identified as impacted by trichloroethylene (TCE).*

**Response:** The 303(d) List is a compilation of surface waters.

**Comment V-8.** *Flatrock Branch (TN05130204009\_1211) is identified on the 303(d) List as being in Davidson and Cheatham Counties. It is actually only in Cheatham County.*

**Response:** The commenter is correct that none of Flatrock Creek is in Davidson County. However, we believe that it is in both Cheatham and Williamson counties. We will revise this listing accordingly.

**Comment V-9.** *The North Fork Holston River is identified as being impacted by mercury. What has the state done to document mercury levels in fish and control mercury sources? Why is the TMDL for this section identified as low priority?*

**Response:** Several different agencies have collected fish tissue data in the North Fork Holston, in addition to the Department. These include the Tennessee Wildlife Resources Agency and the Tennessee Valley Authority.

Tennessee has known about the mercury in the North Fork Holston since the 70s. The source was an industrial facility in Saltville, Virginia. Substantial effort has been put into attempts to physically remove mercury from the riverbed, however, concentrations in fish remain at levels that pose a threat to fishermen. In recent years, Tennessee has pursued a Natural Resources Damage Assessment to compensate Tennesseans for the loss of this resource.

In spite of the legacy mercury issue, the North Fork Holston is a high quality ecological resource with outstanding biological diversity. Additionally, it provides habitat for several endangered species.

The reason that a TMDL for this stream is considered a low priority is that we feel that EPA should take the lead on interstate pollution issues. Additionally, it is a fair question to ask how much benefit a TMDL would be in situations where the legacy effect of contaminated sediment is at issue, rather than a current discharge.

**Comment V-10.** *Weyerhaeuser supports the division's decision to "delist" the most downstream segment on the South Fork Holston River (TN06010102001\_1000). This decision is supported by data collected in the river by the company.*

**Response:** No response necessary.

**Comment V-11.** *According to EPA's Toxics Release Inventory, there are facilities discharging mercury into the South Fork Holston near Kingsport. What steps has Tennessee taken to ensure that these facilities are not causing a public health issue?*

**Response:** Multiple agencies, plus in some cases, the facilities themselves, have collected and analyzed fish from these waters. Mercury levels on average are not above the FDA Action Level triggers currently used. Additionally, facilities discharging mercury have very stringent permit limits to insure that public health is not threatened.

**Comment V-12.** *The same segment of Muddy Creek (TN06010102237\_1000) is listed twice in this section.*

**Response:** We will delete one of the entries.

**Comment V-13.** *Should Miller Branch (TN06010102046\_0300) be listed for E. coli?*

**Response:** We reviewed this assessment and agree that the frequency of E. coli violations justify the addition of this pollutant to the existing listing for this stream.

**Comment V-14.** *The mileage for Johns Creek (TN06010105003\_1100) appears too long.*

**Response:** We agree and will change the mileage to 1.45 miles.

**Comment V-15.** *Do data indicate that Blackley Creek (TN06010108030\_0410) should be listed for pathogens?*

**Response:** The commenter is correct and we will list the stream for E. coli.

**Comment V-16.** *The Clinch River arm of Watts Bar Reservoir is listed under both the Upper Tennessee Watershed and the Lower Clinch.*

**Response:** This section of Watts Bar Reservoir is properly placed in the Lower Clinch watershed. We will delete the listing in the Upper Tennessee River watershed.

**Comment V-17.** *The source of impacts to Caney Branch (TN06010201026\_0200) are more likely pasture grazing than the quarry cited in the 303(d) List.*

**Response:** After reviewing this assessment, we agree with the commenter and will change the source on this segment.

**Comment V-18.** *Have recently collected pathogen data from Short Creek (TN06010201032\_0810) documented that the stream is now meeting water quality standards for E. coli? Can Short Creek be delisted for E. coli?*

**Response:** We reviewed the new data and agree that the water quality standard is now being met. The stream was monitored at five different locations in 2004-05 and none of the 106 observations exceeded the criterion. We will add Short Creek to Appendix A of the 303(d) for E. coli.

**Comment V-19.** *West Prong Little Pigeon River (TN06010705010\_2000) in Pigeon Forge is currently assessed as being impacted by pathogens. In light of the data collected by the Corps of Engineers in 2001-02, plus the data collected by the department in 2005, couldn't the listing be reconsidered and the stream possibly delisted?*

**Response:** We reviewed this assessment, but do not agree with the commenter that the data prove that the criterion is being met. The Corps data, collected at multiple sites above, within, and below Pigeon Forge, document very elevated fecal coliform levels. At the time the sampling was done, Tennessee had a fecal coliform criterion. While we no longer have the fecal coliform criterion in the regulation, we cannot ignore the previous violations.

At the stations sampled by the department in 2005 at mile 1.7 and at mile 8.7, there were violations of the single sample maximum level for E. coli. Additionally, we requested the data collected by Pigeon Forge in the last three years at three stations both upstream and downstream of the sewage treatment plant outfall. These data documented elevated fecal coliform concentrations in the river.

In reviewing the recent data for this stream, we now feel that the water quality issues in this stream go beyond the ones currently identified in the 303(d) List. Total phosphorus levels are higher than the regional nutrient goals. Additionally, stream temperatures in the summer are considerably higher than the maximum level identified for "recognized trout waters" (20° C).

We will add total phosphorus as a cause of impacts to the West Prong Little Pigeon River in segments TN06010705010\_1000, 2000 & 3000. We will collect additional data on temperature and dissolved oxygen, but in the meantime, will consider these same segments to be "threatened" for these parameters.

**Comment V-20.** *Multiple high elevation streams within the Great Smoky Mountain National Park violate Tennessee's water quality standard for pH and should be listed. Some of these streams have documented loss of native trout populations.*

**Response:** We obtained the data collected by the University of Tennessee for the National Park Service and there are a number of streams that consistently

violate Tennessee's pH criterion range for wadeable streams (6.0 - 9.0). Many of these streams are above an elevation of 4,500 feet.

We prepared an initial list of high elevation streams violating the pH criterion and requested that National Park Service staff advise us as to which sites might have depressed pH levels due to natural conditions, rather than a man-induced condition such as atmospheric deposition.

Park Service staff identified three streams, Lowes Creek, Cannon Creek, and Eagle Rocks Prong, as high elevation tributaries to the Middle Prong Little Pigeon River that have lost fish populations. Based on existing information, natural sources of acidity such as anakeesta rock formations do not exist in these subwatersheds. Brook trout range has also been lost in the headwaters of Buck Fork, but it is highly possible that anakeesta rock formations occur in this watershed.

For several additional streams, Shutts Prong, Otter Creek, Copperhead Branch, Upper Road Prong, Inadu Creek, Goshen Prong, an Unnamed Trib. to Fish Camp Prong, and Upper Rock Creek, NPS staff were less certain regarding the relative contributions of natural and man-made sources in creating the stream conditions. For Walker Camp Prong and upper Porters Creek, NPS staff cited natural disturbance (landslides) of anakeesta formations as the primary source of acidity. Upper Porters Creek in particular has been impacted by historic anakeesta slides.

Based on these data and information, the department will add the above streams, with the exception of Walker Camp Prong and upper Porters Creek, to the 2006 303(d) and will identify the pollutant as "low pH." The acidity source for Lowes Prong, Cannon Creek, and Eagle Rocks Prong will be identified as "atmospheric deposition." The source of acidity for the other streams will be "undetermined."

EPA will be asked to take the lead in the development of TMDLs for these streams.

**Comment V-21.** *Long Bottom Creek, a small stream in West Knoxville, has been impacted by silt from a development and should be on the 303(d) List for siltation.*

**Response:** We do not have water quality data from the stream in question, although we note that the commenter provided photographs. We looked at the stream in response to this comment and noted silt accumulations. Additionally, our inspector visited the construction site suggested by the commenter as the primary source of silt. As a result of that inspection, the enforcement process was initiated for failure to control runoff from the site. We believe that this

enforcement action will result in the correction of problems in this stream and that listing of this stream is unnecessary.

**Comment V-22.** *The mileage for the upper section of Pond Creek (TN06010201013\_2000) appears too long.*

**Response:** We agree and will change the mileage to 4.18 miles.

**Comment V-23.** *In the Upper Tennessee watershed, the reach numbers for Cardiff Creek, Caney Creek, Fourth Creek, Williams Creek, Baker Creek, Goose Creek, and Polecat Creek are incorrect.*

**Response:** We agree and will make these corrections.

**Comment V-24.** *The wrong segment number has been identified for Centenary Creek (TN06010204042\_0200). It should be segment 0100.*

**Response:** We agree and will make this revision.

**Comment V-25.** *The mileage for Baker Creek (TN06010204043\_1000) appears too long.*

**Response:** We agree and will change the mileage to 18.22 miles.

**Comment V-26.** *The lower section of Bullrun Creek is in Anderson as well as Knox County.*

**Response:** We agree and will make this change.

**Comment V-27.** *The upper section of Bullrun Creek is in Grainger and Union counties rather than Knox County.*

**Response:** We agree and will make this change.

**Comment V-28.** *Thompson Creek (TN06010205064\_0110), a tributary to Ollis Creek, should be listed for pH.*

**Response:** We reviewed the new data from this stream and agree with the commenter. This stream does not meet Tennessee's biological integrity criterion

and pH levels run well below 6.0, the lowest acceptable level in the criterion range for Wadeable streams. We will add this stream to the list.

**Comment V-29.** *East Fork Poplar Creek is identified as being impacted by mercury. What has the state done to document mercury levels in fish and control mercury sources? Why is the TMDL for this section identified as low priority?*

**Response:** Tennessee has known about the mercury in the East Fork Poplar Creek since the 70s. The source is the Department of Energy's historical industrial activities on the Oak Ridge Reservation. A substantial amount of mercury was lost from this facility over time and now contaminates the sediment in the East Fork Poplar Creek. Fish in this stream would pose a public health threat if consumed by local fishermen. Both the department and the federal Department of Energy monitor fish tissue in this stream.

The reason that a TMDL for this stream is considered a low priority is that we feel that EPA should take the lead on significant pollution issues at federal facilities. Additionally, it is a fair question to ask how much benefit a TMDL would be in situations where the legacy effect of contaminated sediment is at issue, rather than a current discharge.

**Comment V-30.** *The listings for Mitchell Branch (TN06010207020\_1300) and Whiteoak Creek (TN06010207247\_1000) state that they are in Anderson County. They are actually in Roane County.*

**Response:** We will make this revision.

**Comment V-31.** *The mileages for the East Fork Poplar Creek segments TN06010207026\_1000 and TN06010207247\_2000 state that the total mileage is 21 miles. This is incorrect as the stream is only 15 miles long.*

**Response:** The segment mileage identified in the 303(d) List for East Fork Poplar Creek includes some small tributaries in addition to the mainstem.

**Comment V-32.** *The causes and sources for the two East Fork Poplar Creek segments TN06010207026\_1000 and TN06010207247\_2000 are different. Why is that?*

**Response:** The upstream part of this stream is primarily impacted by the Y-12 facility. The more downstream segment is impacted by both Y-12 and the urban area of Oak Ridge.

**Comment V-33.** *According to EPA's Toxics Release Inventory, there are facilities discharging mercury into the Hiwassee River near Charleston. What steps has Tennessee taken to ensure that these facilities are not causing a public health issue?*

**Response:** Multiple agencies, plus in some cases, the facilities themselves, have collected and analyzed fish from these waters. Mercury levels on average are not above the FDA Action Level triggers currently used. Additionally, facilities discharging mercury have very stringent permit limits to insure that public health is not threatened.

Fish tissue data from these streams can be accessed by the public either from national databases, or by direct contact to the agencies that collected the samples.

**Comment V-34.** *TVA supports the placement of two Hiwassee River segments (TN06020002018\_3000 & 4000) into Category 4c due to impacts caused by a condition (flow alteration) rather than a pollutant.*

**Response:** No response needed.

**Comment V-35.** *Data recently collected in support of a TMDL document that South Suck Creek (TN06020001421-0100) no longer violates the water quality criterion for iron.*

**Response:** We agree and will move this segment to Appendix A for iron.

**Comment V-36.** *The mileage for Mud Creek (TN06040005032\_0900) appears too long.*

**Response:** We agree and will change the mileage to 8.53 miles.

**Comment V-37.** *According to EPA's Toxics Release Inventory, there are facilities discharging mercury into Kentucky Lake near New Johnsonville. What steps has Tennessee taken to ensure that these facilities are not causing a public health issue?*

**Response:** Multiple agencies have collected and analyzed fish from these waters. Mercury levels on average are not above the FDA Action Level triggers currently used. Additionally, facilities discharging mercury have very stringent permit limits to insure that public health is not threatened.

**Comment V-38.** *The mileage for the lower section of the North Fork Forked Deer River (TN08010204001\_1000) appears too long.*

**Response:** We agree and will change the mileage to 8.34 miles.

**Comment V-39.** *Jacobs Creek (TN08010205010\_0200) is in Haywood County rather than Crockett County.*

**Response:** We agree and will make this change.

**Comment V-40.** *The mileage for Sumrow Creek (TN08010205036\_0200) appears too long.*

**Response:** We agree and will change the mileage to 9.64 miles.

## 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>	4a - A TMDL has already been completed, submitted to EPA, and approved by EPA.  4c – The impact to the stream is not being caused by a pollutant.

## Final Version - YEAR 2006 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 Phosphate Other Habitat Alterations Escherichia coli	M M H H	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	Phosphate Nitrates	M M	Minor Municipal Point Source	Stream is Category 5. (One or more uses impaired.)
TN05110002 027 – 0421	TOWN CREEK	Macon	3.7	Unionized Ammonia Nitrates Phosphates Low dissolved oxygen Escherichia coli	M M M L H	Minor Municipal Point Source Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.)
TN05110002 CTYLKPO_1 000	CITY LAKE PORTLAND	Sumner	34 ac	Loss of biological integrity due to siltation Low dissolved oxygen Nutrients Taste & odor	L L L L	Urbanized High Density Area Animal Feeding Area	Stream is Category 5. (One or more uses impaired.)
TN05110002 CITYLKW_1 000	CITY LAKE WESTMORELAND	Sumner	11.0 ac	Nutrients Low dissolved oxygen Taste & odor	L L 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 015 – 2000	CLEAR FORK	Claiborne Campbell	9.65	Escherichia coli	H	Septic Tanks	Stream is Category 5. (One or more uses impaired.)
TN05130101 016 – 0100	WHITE OAK CREEK	Campbell	6.7	Loss of biological integrity due to siltation Escherichia coli	H H	Undetermined Source Septic Tanks	Stream is Category 5. (One or more uses impaired.)
TN05130101 016 – 0200	DAVIS CREEK	Campbell	24.0	Escherichia coli	H	Septic Tanks	Stream is Category 5. (One or more uses impaired.)
TN05130101 016 – 2000	HICKORY CREEK	Campbell	9.5	Escherichia coli	H	Septic Tanks	Stream is Category 5. (One or more uses impaired.)
TN05130101 091 – 0300	LITTLE ELK CREEK	Campbell	9.9	Escherichia coli	H	Septic Tanks	Stream is Category 5. (One or more uses impaired.)

**Final 2006 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>
TN05130101 091 – 1000	ELK FORK CREEK	Campbell	3.9	Loss of biological integrity due to siltation H Other Habitat Alterations H Escherichia coli H	Abandoned Mining Septic Tanks	Category 5. (One or more uses impaired.) This stream provides habitat for a federally listed fish, blackside dace ( <u>Phoxinus cumberlandensis</u> ).
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 NA	Septic Tanks	Water contact advisory. Stream is Category 4a. (One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.)
TN05130104 048 - 0300	LITTON FORK PINE CREEK	Scott	2.5	Escherichia coli NA	Collection System Failure Septic Tanks	Water contact advisory. Stream is Category 4a. (One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.)
TN05130104 048 - 0400	EAST FORK PINE CREEK	Scott	2.8	Escherichia coli NA	Collection System Failure Septic Tanks	Water contact advisory. Stream is Category 4a. (One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.)
TN05130104 048 - 0410	UNNAMED TRIB TO EAST FORK PINE CREEK	Scott	2.4	Escherichia coli NA	Collection System Failure Septic Tanks	Water contact advisory. Stream is Category 4a. (One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.)
TN05130104 048 - 0500	SOUTH FORK PINE CREEK	Scott	1.7	Escherichia coli NA	Collection System Failure Septic Tanks	Water contact advisory. Stream is Category 4a. (One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.)
TN05130104 048 - 1000	PINE CREEK	Scott	3.2	Escherichia coli NA	Minor Municipal Point Source Collection System Failure	Water contact advisory. Category 4a, one or more uses impaired. EPA has approved a pathogen TMDL that addresses the known pollutant.

**Final 2006 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 - 2000	PINE CREEK	Scott	4.1	Creosote L Nutrients L Loss of biological integrity due to siltation H Low dissolved oxygen L Other Habitat Alterations H Escherichia coli NA	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.) EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN05130104 048 - 3000	PINE CREEK	Scott	3.0	Creosote L Loss of biological integrity due to siltation H Nutrients L Low dissolved oxygen L Other Habitat Alterations H Escherichia coli NA	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.) EPA has approved a pathogen TMDL that addresses some of the known pollutants.
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_1000	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 NA	Upstream Impoundment	Impacted by poor quality Dale Hollow Reservoir releases. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN05130105 015 – 0300	CUB CREEK	Overton	7.2	Manganese Iron pH L 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 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 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 L	Resource Extraction	Stream is Category 5. (One or more uses impaired.)
TN05130105 033 – 1400	TOWN BRANCH	Pickett	3.1	Nitrates Phosphates Loss of biological integrity due to siltation Escherichia coli L 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 007-0500	FLAT CREEK	Overton	23.6	Escherichia coli L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN05130106 007-0700	CARR CREEK	Overton	4.5	Low dissolved oxygen L	Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)
TN05130106 007-0710	TOWN CREEK	Overton	6.2	Nutrients L Low dissolved oxygen L Escherichia coli L	Collection System Failure Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.)
TN05130106 008-1000	BLACKBURN FORK	Jackson	15.9	Escherichia coli L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN05130106 010-2000	SPRING CREEK	Putnam Overton	20.7	Escherichia coli L	Pasture Grazing	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 NA Habitat loss due to alteration in stream-side or littoral vegetative cover 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.

**Final Version 2006 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 – 0310	MUD CREEK	Coffee	14.0	Loss of biological integrity due to siltation NA Habitat loss due to alteration in stream-side or littoral vegetative cover 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 NA Loss of biological integrity due to siltation NA	Pasture Grazing	Stream is Category 4A. Stream is impaired, but EPA has already approved a siltation and habitat alteration TMDL for this watershed.
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 NA Habitat loss due to alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Stream is Category 4a, one or more uses impaired. EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN05130108 001 – 0200	FERGUSON BRANCH	Smith	5.8	Habitat loss due to alteration in stream-side or littoral vegetative cover NA	Loss of Riparian Habitat	Stream is Category 4a, one or more uses impaired. EPA has approved a habitat alteration TMDL that addresses the known pollutants.

Final Version 2006 303(d) LIST (Caney Fork River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130108 002 – 2000	HICKMAN CREEK	Smith DeKalb	10.16	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Low dissolved oxygen M Nitrates M Phosphates M Escherichia coli NA	Municipal Point Source Grazing Related Sources	Stream is Category 5. (One or more uses impaired.) EPA has approved habitat alteration and pathogen TMDLs that address some of the known pollutants.
TN05130108 004 – 0110	DRIVERS BRANCH	DeKalb	2.79	Loss of biological integrity due to siltation L	Hwy/Road/Bridge Construction	Stream is Category 5. (One or more uses impaired.)
TN05130108 012 – 1000	CANEY FORK RIVER	Smith DeKalb	6.4	Low dissolved oxygen L Habitat loss due to stream flow alteration NA Thermal modification L	Upstream impoundment (Center Hill Reservoir)	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant). 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 NA	Hwy/Road/Bridge Construction	Stream is Category 4a. One or more uses impaired, but EPA has approved a habitat alteration TMDL that addresses the known pollutant.
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 NA	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) EPA has approved a habitat alteration TMDL that addresses some of the known pollutants.

Final Version 2006 303(d) LIST (Caney Fork River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130108 025 – 1000	CANEY FORK RIVER	DeKalb White	1.4	Habitat loss due to stream flow alteration NA	Upstream Impoundment	Stream is Category 4c. (One or more uses impaired, but impacts are not caused by a pollutant.) 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 NA Iron L Physical substrate habitat alterations L	Upstream Impoundment	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant). 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.)
TN05130108 027 – 0850	DRY FORK	Van Buren	16.7	Iron H pH H Physical substrate habitat alterations 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 NA Loss of biological integrity due to siltation NA	Pasture Grazing	Stream is Category 4a. One or more uses impaired, but EPA has approved siltation and habitat alteration TMDLs that address known pollutants.
TN05130108 033 – 0210	LITTLE BEAVERDAM CREEK	Bledsoe	6.9	Loss of biological integrity due to siltation NA	Pasture Grazing	Stream is Category 4a. One or more uses impaired, but EPA has approved a habitat alteration TMDL that addresses the known pollutant.
TN05130108 033 – 0310	BRADDEN CREEK	Bledsoe	10.7	Low dissolved oxygen H Habitat loss due to alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Stream is Category 5. One or more uses impaired, but EPA has approved a habitat alteration TMDL that addresses some of the known pollutants.

**Final Version 2006 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 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 NA NA	Pasture Grazing	Stream is Category 4a. One or more uses impaired but EPA has approved siltation habitat alteration TMDLs that address known pollutants.
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 – 0600	UNNAMED TRIB TO CANEY FORK RIVER	Cumberland	3.5	Habitat loss due to alteration in stream-side or littoral vegetative cover NA	Livestock in Stream Pasture Grazing	Stream is Category 4a. One or more uses impaired but EPA has approved a habitat alteration TMDL that addresses the known pollutant.
TN05130108 036 – 0820	FLYNN CREEK	Cumberland	2.8	Loss of biological integrity due to siltation NA	Source Undetermined	Stream is Category 4a. One or more uses impaired but EPA has approved a siltation TMDL that addresses the known pollutant.
TN05130108 036 – 0900	PUNCHEONCAMP CREEK	Cumberland	12.8	pH L	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 NA	Bank Modification/Destabilization	Stream is Category 4a. One or more uses impaired but EPA has approved a habitat alteration TMDL that addresses known pollutants.
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 NA NA	Discharges from MS4 Area Pasture Grazing	Stream is Category 4a. One or more uses impaired but EPA has approved siltation and habitat alteration TMDLs that address known pollutants.
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 NA NA	Discharges from MS4 Area Pasture Grazing Livestock in Stream	Stream is Category 4a. One or more uses impaired but EPA has approved siltation and habitat alteration TMDLs that address known pollutants.
TN05130108 045 – 0300	HUDGENS CREEK	Putnam	6.7	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli NA NA NA	Discharges from MS4 Area Pasture Grazing	Stream is Category 4a. One or more uses impaired but EPA has approved pathogen, siltation, and habitat alteration TMDL that addresses known pollutants.

Final Version 2006 303(d) LIST (Caney Fork River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130108 045 – 0400	PIGEON ROOST CREEK	Putnam	2.4	Nitrates M Phosphorus M Physical substrate habitat alteration NA Escherichia coli NA	Municipal Point Source Discharges from MS4 Area Channelization	Stream is Category 5. Impaired, but EPA has approved pathogen and habitat alteration TMDLs that address some of the known pollutants.
TN05130108 045 – 0450	PIGEON ROOST CREEK	Putnam	3.2	Nitrates M Phosphorus M Physical substrate habitat alteration NA Escherichia coli NA	Discharges from MS4 Area Channelization	Stream is Category 5. Impaired, but EPA has approved habitat alteration and pathogen TMDLs that address some of the known pollutants.
TN05130108 045 – 0500	POST OAK CREEK	White	8.3	Loss of biological integrity due to siltation NA Habitat loss due to alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Stream is Category 4a. One or more uses impaired but EPA has approved siltation and habitat alteration TMDLs that address known pollutants.
TN05130108 045 – 1000	FALLING WATER RIVER	Putnam White	8.8	Low Dissolved Oxygen Nitrates M Loss of biological integrity due to siltation NA	Pasture Grazing Municipal Point Source Discharges from MS4 Area	Stream is Category 5. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address some of the known pollutants.
TN05130108 045 – 3000	FALLING WATER RIVER	Putnam	11.2	Nutrients M Low Dissolved Oxygen M	Municipal Point Source	Stream is Category 5. (One or more uses impaired.)
TN05130108 097 – 2000	MINE LICK CREEK	Putnam	4.23	Escherichia coli NA Nitrates M	Collection System Failure	Water contact advisory due to Baxter STP overflows. Stream is Category 5. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN05130108 684 – 1000	FALL CREEK	DeKalb	9.8	Loss of biological integrity due to siltation NA Nutrients M Low dissolved oxygen M Escherichia coli NA Other anthropogenic substrate alterations NA	Major Municipal Point Source Upstream Impoundment	Stream is Category 5. (One or more uses impaired.) EPA has approved pathogen and habitat alteration TMDLs that address some of the known pollutants.
TN05130108 684 – 2000	FALL CREEK	DeKalb	6.7	Other anthropogenic substrate alterations NA	Urbanized High Density Area	Stream is Category 4a. One or more uses impaired but EPA has approved a habitat alteration TMDL that addresses known pollutants.

**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 Other Habitat Alterations M M	Discharges from MS4 area Hydromodification	Gallatin area impacts. 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 Other Habitat Alteration M M	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 Other Habitat Alteration M M	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 Other Habitat Alteration M M	Highway Construction Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130201 013-4000	SPRING CREEK	Wilson	9.0	Escherichia coli M	Pasture Grazing Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN05130201 015-0200	JOHNSON BRANCH	Wilson	7.6	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130201 021-0300	NEAL BRANCH	Wilson	3.7	Phosphorus Loss of biological integrity due to siltation Escherichia coli M M	Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN05130201 021-0400	BEECH LOG CREEK	Wilson	8.5	Phosphorus Loss of biological integrity due to siltation Escherichia coli M M	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 Other Habitat Alteration M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130201 021 – 2000	ROUND LICK CREEK	Smith Wilson	8.7	Nutrients Loss of biological integrity due to siltation Low dissolved oxygen Other Habitat Alteration Escherichia coli M M M M	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 Other Habitat Alteration M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130201 028-0100	LITTLE GOOSE CREEK	Trousdale Macon	12.7	Other Habitat Alteration Escherichia coli M M	Hydromodification Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN05130201 028-0150	LITTLE GOOSE CREEK	Trousdale Macon	10.0	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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	7.4	Nutrients M Other Anthropogenic M Substrate Alterations M Escherichia coli M	Collection System Failure Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN05130201 055-0250	SINKING CREEK	Wilson	10.0	Alteration in stream-side or littoral vegetative cover M Other Anthropogenic M Substrate Alterations M Escherichia coli M	Pasture Grazing Land Development Highway, Road, and Bridge Construction	Stream is Category 5. (One or more uses impaired.)
TN05130201 055-1000	BARTONS CREEK	Wilson	5.0	Escherichia coli M	Collection System Failure	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 M	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 M Other Habitat Alterations M	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 M Other Habitat Alteration M 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 M 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 M 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 M	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 M	Land Development	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 M Other Habitat Alterations M	Land Development	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 M 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.)
TN05130202 007 – 1100	HOLT CREEK	Davidson	6.2	Loss of biological integrity due to siltation M	Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 1200	WHITTEMORE BRANCH	Davidson	2.9	Other Habitat Alterations 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 – 1300	SORGHUM BRANCH	Davidson	3.1	Loss of biological integrity due to siltation M Other Habitat Alterations 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 – 1400	SEVENMILE CREEK	Davidson	2.4	Nutrients M Other Habitat Alteration 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 – 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.)

Final Version 2006 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 M 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 M 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 M 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 M 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 M	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 M	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 M Other Habitat Alterations M	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 M Escherichia coli M Oil and Grease M	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 M	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 2006 303(d) LIST (Cheatham Reservoir Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130202 023 – 1000	BROWN'S CREEK	Davidson	0.2	Nutrients M Other Habitat Alterations M Escherichia coli M Oil and Grease M	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 M Escherichia coli M Oil and Grease M	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 M	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 M 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 M	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 NA Other Habitat Alterations M Escherichia coli M	Discharges from MS4 area Hydromodification	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
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 M 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 M	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 M 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 M Escherichia coli M	Discharges from MS4 area Land Development	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 M 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 M Other Habitat Alterations M 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 M 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 M 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 M	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 M	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 M 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	Nitrates 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. Impaired, but EPA has approved habitat alteration and pathogen TMDLs that address some of the known pollutants.

**Final Version 2006 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 001 – 0150	MCCRORY CREEK	Davidson	10.7	Nitrates 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 NA L	Upstream Impoundment  Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant). 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 2006 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 2006 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 2006 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 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 2006 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	18.1	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 NA	Collection System Failure	Stream is Category 4a. One or more uses impaired but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN05130204 002 -0500	UNNAMED TRIB. TO JONES CREEK	Dickson	0.5	Other anthropogenic substrate alterations Loss of biological integrity due to siltation NA 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 Loss of biological integrity due to siltation NA 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 Escherichia coli L NA	Municipal Point Source Pasture Grazing	This stream is Category 5, impaired for one or more uses. EPA has approved a pathogen TMDL for some of the known pollutants in this stream.
TN05130204 002 -3000	JONES CREEK	Dickson	8.1	Nutrients Loss of biological integrity due to siltation L NA	Land Development Pasture Grazing	This stream is Category 5, 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 2006 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	JORDON 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 2006 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 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 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 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 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 Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA 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 Williamson	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 Low dissolved oxygen NA 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 Low dissolved oxygen NA 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 2006 303(d) LIST (Harpeth River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130204 010 – 0600	ARKANSAS CREEK	Williamson	5.7	Escherichia coli NA	Undetermined Source	This stream is Category 4a, impaired, but EPA has approved a pathogen TMDL for the known pollutants.
TN05130204 013 – 0100	HATCHER SPRING CREEK	Williamson	6.5	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 013 – 0200	POLK CREEK	Williamson	8.8	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA 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 RIVER	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 RIVER	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 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 013 – 0600	UNNAMED TRIB TO WEST HARPETH RIVER	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 Nutrients NA NA	Loss of Riparian Vegetation Pasture Grazing	This stream is Category 4a. Impaired for one or more uses, but EPA has approved a siltation/habitat alteration and organic enrichment TMDL for the known pollutants.

**Final Version 2006 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 NA	Pasture Grazing	Stream is Category 5. The stream is impaired but EPA has approved a pathogen TMDL for the known pollutants
TN05130204 013 – 0750	MURFREES FORK	Williamson	18.4	Loss of biological integrity due to siltation Escherichia coli NA NA	Pasture Grazing	This stream is Category 4a. The stream is impaired for one or more uses. However, EPA has approved a pathogen and 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. Impaired, but EPA has approved a siltation and organic enrichment TMDL for the pollutants in this stream.
TN05130204 013 – 2000	WEST HARPETH RIVER	Williamson	10.9	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. One or more uses impaired, but EPA has approved a pathogen TMDL for the known pollutant.
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. Impaired, but EPA has approved a siltation TMDL for the known pollutants.

**Final Version 2006 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 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 016 – 1000	HARPETH RIVER	Williamson	6.8	Low dissolved oxygen NA Phosphate 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 NA Escherichia coli NA	Pasture Grazing	This stream is Category 4a. Impaired for one or more uses, but EPA has approved pathogen and siltation/ habitat alteration TMDLs for the known pollutants.
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 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 016 – 1400	SPARKS CREEK	Williamson	4.9	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	This stream is Category 4a. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.

**Final Version 2006 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 NA	Discharges from MS4 area Highways, Roads, Bridges, Infrastructure Construction Pasture Grazing	This stream is Category 4a. The stream is impaired, but EPA has approved pathogen, siltation/ habitat alteration, and organic enrichment TMDLs for the known pollutants.
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.
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.
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 NA	Pasture Grazing	This stream is Category 4a. The stream is impaired for one or more uses. But, EPA has approved pathogen and siltation/ habitat alteration TMDLs for the known pollutants.
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 2006 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 NA	Land Development	This stream is Category 4a. It is impaired for one or more uses. However, EPA has approved pathogen, siltation/ habitat alteration, and organic enrichment TMDLs for 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 M Other Habitat Alterations M	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 M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130206 002 - 0400	BUZZARD CREEK	Robertson	11.0	Escherichia coli M	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 M Escherichia coli M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130206 002 - 1000	RED RIVER	Montgomery	2.4	Loss of biological integrity due to siltation M Escherichia coli M Other Habitat Alterations M 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.)

**Final Version 2006 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 - 3000	RED RIVER	Montgomery Robertson	17.5	Nitrates	M Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
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 Nitrates	M M Nonirrigated Crop Production Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 1100	WARTRACE CREEK	Robertson	0.72	Temperature Alterations Flow Alterations	M NA Upstream Impoundment	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN05130206 003 - 1200	CARR CREEK	Robertson	2.9	Escherichia coli	M Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 1220	UNNAMED TRIB TO CARR CREEK	Robertson	1.6	Nutrients Thermal Modifications Escherichia coli	M L M Minor Municipal Point Source	Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 1250	CARR CREEK	Robertson	7.8	Nitrates Phosphates	M M Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 1255	CARR CREEK	Robertson	11.3	Nitrates Phosphates Escherichia coli	M M M Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 3000	SULPHUR FORK	Robertson	1.9	Nitrates Phosphates Loss of biological integrity due to siltation	M M 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 Phosphates Loss of biological integrity due to siltation Escherichia coli	M M M 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 Other Habitat Alterations	H H Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130206 024 - 0150	SUMMERS BRANCH	Robertson Sumner	12.6	Phosphate Loss of biological integrity due to siltation Escherichia coli	M M 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 Other Habitat Alterations	M M 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	M Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 024 - 0400	HALL TOWN CREEK	Sumner	6.4	Loss of biological integrity due to siltation Other Habitat Alterations	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	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN05130206 034 - 0100	FLETCHERS FORK	Montgomery	25.3	Other Habitat Alterations	Habitat Modification	Stream is Category 5. (One or more uses impaired.)
TN05130206 034 - 0110	RACCOON BRANCH	Montgomery	7.7	Loss of biological integrity due to siltation Other Habitat Alterations	Land Development Hydromodification	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	Habitat Modification	Stream is Category 5. (One or more uses impaired.)
TN05130206 034 - 1000	LITTLE WEST FORK	Montgomery	7.2	Phosphate Loss of biological integrity due to siltation Low Dissolved Oxygen	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 Phosphates Nitrates Other Habitat Alterations	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 Nitrates Phosphates Other Habitat Alterations	Land Development Discharges from MS4 Area	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	Industrial Point Source Source in Other State Contaminated Sediment	Stream is Category 5. Provides habitat for the federally listed mussel, five-rayed pigtoe ( <i>Fusconaia cuneolus</i> ) and fish, spotfin chub ( <i>Cyprinella monacha</i> ). 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).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 001 – 0100	MADD BRANCH	Sullivan	2.7	Physical Substrate Habitat Alterations H	Discharges from MS4 area Channelization	Stream is Category 5. (One or more uses impaired.)
TN06010102 001 – 2000	SOUTH FORK HOLSTON RIVER	Sullivan	2.4	Low dissolved oxygen Habitat loss due to stream flow alterations NA Thermal Modifications L	Upstream Impoundment	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN06010102 003 – 0100	MILL CREEK	Sullivan	6.6	Loss of biological integrity due to siltation H	Pasture Grazing Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.)
TN06010102 003 – 0200	UNNAMED TRIB TO HORSE CREEK	Sullivan Washington	3.8	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 003 – 0410	LYNCH BRANCH	Sullivan	3.06	Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010102 003 – 0500	BEAR CREEK	Sullivan	4.6	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 003 – 0600	LITTLE HORSE CREEK	Sullivan	6.46	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010102 003 – 1000	HORSE CREEK	Sullivan	3.1	Habitat loss due to alteration in stream-side or littoral vegetative cover H Escherichia coli L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010102 003 – 3000	HORSE CREEK	Sullivan	4.35	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 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.)

**Final Version 2006 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 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.)
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	1.01	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) L	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	3.05	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.)

Final Version 2006 303(d) LIST (South Fork Holston River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 014 – 1000	SOUTH FORK HOLSTON RIVER	Sullivan	4.4	Habitat loss due to stream flow alterations NA Thermal modifications L	Upstream Impoundment	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant). River is impacted by discharges from South Holston Reservoir. TVA has taken action to improve dissolved oxygen and flow conditions downstream of the dam.
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.)
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 an approved completed a TMDL for this watershed.
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.

**Final Version 2006 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 045 – 1000	FALL CREEK	Sullivan	6.25	Habitat loss due to alteration in stream-side or littoral vegetative cover H Loss of biological integrity due to siltation H	Discharges from MS4 area Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
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 – 0200	GRAVELLY CREEK	Sullivan	4.9	Habitat loss due to alterations in stream-side or littoral vegetative cover H	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06010102 046 – 0300	MILLER BRANCH	Sullivan	2.15	Loss of biological integrity due to siltation H Escherichia coli L	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06010102 046 – 0500	UNNAMED TRIB TO REEDY CREEK	Sullivan	3.88	Loss of biological integrity due to siltation H	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06010102 046 – 0600	CLARK BRANCH	Sullivan	3.75	Loss of biological integrity due to siltation H	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06010102 046 – 0800	TIMBERTREE BRANCH	Sullivan	2.0	Loss of biological integrity due to siltation H Habitat loss due to alterations in stream-side or littoral vegetative cover 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 047 – 0100	FORD CREEK	Sullivan	5.5	Loss of biological integrity due to siltation H	Discharges from MS4 Area	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.)

Final Version 2006 303(d) LIST (South Fork Holston River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 237 – 1000	MUDDY CREEK	Sullivan	12.3	Loss of biological integrity due to siltation H Habitat loss due to alterations in stream-side or littoral vegetative cover H	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06010102 702 – 1000	CEDAR CREEK	Washington	10.1	Loss of biological integrity due to siltation H Habitat loss due to alterations in stream-side or littoral vegetative cover H Escherichia coli L	Discharges from MS4 Area 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 M Loss of biological integrity due to siltation H Habitat loss due to alteration in stream-side or littoral vegetative cover 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 M Loss of biological integrity due to siltation H Habitat loss due to alteration in stream-side or littoral vegetative cover L Escherichia coli 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 M Loss of biological integrity due to siltation H Habitat loss due to alteration in stream-side or littoral vegetative cover L Escherichia coli L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)

Final Version 2006 303(d) LIST (Watauga River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010103 008 – 0400	DAVIS BRANCH	Carter	5.9	Habitat loss due to stream flow alteration M Habitat loss due to alteration in stream-side or littoral vegetative cover 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 M 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.)
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 BRANCH	Johnson	2.0	Habitat loss due to alteration in stream-side or littoral vegetative cover L Nitrates M Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010103 034 – 0300	TOWN CREEK	Johnson	3.0	Solids H Escherichia coli 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 M Loss of biological integrity due to siltation H Escherichia coli 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.

**Final Version 2006 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 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 M Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation H	Discharges from MS4 area Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)
TN06010103 635 – 0100	CASH HOLLOW CREEK	Washington	3.48	Habitat loss due to alteration in stream-side or littoral vegetative cover L Escherichia coli 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 L Loss of biological integrity due to siltation 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 L Nitrates M Loss of biological integrity due to siltation L Escherichia coli 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 M M	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 M M	Pasture Grazing Septic Tanks	Stream is Category 5. (One or more uses impaired.)
TN06010104 001 - 0900	BEAVER CREEK	Jefferson	21.0	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
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 Escherichia coli M M	Land Development Channelization Discharges from MS4 Area	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 NA	Upstream Impoundment	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant). Provides habitat for the federally listed pink mucket pearly mussel ( <u>Lampsilis abrupta</u> ). Impacted by low DO releases from Cherokee Res. TVA has taken action to improve dissolved oxygen and flow conditions downstream of the dam.
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 M	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 M M	Land Development Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 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 M M 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 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.)
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	STONEY 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 Escherichia coli M 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 Escherichia coli M 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 Habitat loss due to stream flow alterations L NA	Major Industrial Point Source	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN06010104 011 - 1600	HUNT CREEK	Hawkins	7.7	Escherichia coli M	Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN06010104 018 - 1000	RICHLAND CREEK	Grainger	26.7	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 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 M Habitat loss due to alteration in stream-side or littoral vegetative cover M Escherichia coli M	Hydromodification Dam Construction Pasture Grazing Collection System Failure	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),

<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>
TN06010105 001 - 0100	CLEAR CREEK	Cocke	28.0	Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010105 003 - 1100	JOHNS CREEK	Cocke	1.45	Escherichia coli L	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 L	Septic Tanks	Water contact advisory due to pathogens. Stream is Category 5. (One or more uses impaired.)
TN06010106 001 - 1100	ENGLISH CREEK	Cocke	15.3	Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010106 001 - 4000	PIGEON RIVER-	Cocke	5.03	Color L	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 002 - 1000	SINKING CREEK	Cocke	6.8	Escherichia coli L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)

Final Version 2006 303(d) LIST (Upper French Broad River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010106 004 - 0500	ROCK CREEK	Cocke	2.80	Low pH L	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Low pH source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Stream is Category 5. (One or more uses impaired.) EPA should take the lead on atmospheric deposition TMDL.
TN06010106 004 - 0610	INADU CREEK	Cocke	2.66	Low pH L	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Low pH source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Stream is Category 5. (One or more uses impaired.) EPA should take the lead on atmospheric deposition TMDL.
TN06010106 004 - 0810	OTTER CREEK	Cocke	1.52	Low pH L	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Low pH source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Stream is Category 5. (One or more uses impaired.) EPA should take the lead on atmospheric deposition TMDL.
TN06010106 004 - 0820	COPPERHEAD BRANCH	Cocke	1.13	Low pH L	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Low pH source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Stream is Category 5. (One or more uses impaired.) EPA should take the lead on atmospheric deposition TMDL.

**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 NA	Pasture Grazing	Stream is Category 4a. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010107 006 - 2000	FRENCH BROAD RIVER	Sevier	4.9	Low Dissolved Oxygen L Thermal Modifications L Habitat loss due to stream flow alteration NA	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), but flow alteration is 4c (impact not caused by a pollutant). TVA has taken action to improve dissolved oxygen and flow conditions downstream of the dam.
TN06010107 007 – 1000 & 2000	LITTLE PIGEON RIVER	Sevier	5.9	Escherichia coli NA	Septic Tanks Collection System Failure	Water contact advisory. Stream is Category 4a. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010107 007 - 0700	BUCK FORK	Sevier	3.8	Low pH L	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Acidity source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Stream is Category 5. (One or more uses impaired.) EPA should take the lead on TMDL.
TN06010107 007 - 0900	EAGLE ROCKS PRONG	Sevier	6.4	Low pH L	Atmospheric Deposition - Acidity	High elevation stream in Great Smoky Mountains National Park. Documented loss of native trout populations. Stream is Category 5. (One or more uses impaired.) EPA should take the lead on atmospheric deposition TMDL.

**Final Version 2006 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 - 1120	SHUTTS PRONG	Sevier	4.79	Low pH L	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Acidity source is likely a combination of natural conditions (anakeesta) and atmospheric deposition. Stream is Category 5. (One or more uses impaired.) EPA should take the lead on TMDL.
TN06010107 007 - 1130	LOWES CREEK	Sevier	2.22	Low pH L	Atmospheric Deposition - Acidity	High elevation stream in Great Smoky Mountains National Park. Documented loss of native trout populations. Stream is Category 5. (One or more uses impaired.) EPA should take the lead on atmospheric deposition TMDL.
TN06010107 007 - 1140	CANNON CREEK	Sevier	3.72	Low pH L	Atmospheric Deposition - Acidity	High elevation stream in Great Smoky Mountains National Park. Documented loss of native trout populations. Stream is Category 5. (One or more uses impaired.) EPA should take the lead on atmospheric deposition TMDL.
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 NA	Septic Tanks	Contact advisory. Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010107 010 - 0200	KING BRANCH	Sevier	2.5	Escherichia coli NA	Septic Tanks	Contact advisory. Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010107 010 - 0300	BEECH BRANCH	Sevier	1.0	Escherichia coli NA	Septic Tanks	Contact advisory. Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.

**Final Version 2006 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 – 0400	DUDLEY CREEK	Sevier	5.7	Escherichia coli      NA	Septic Tanks	Contact advisory. Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010107 010 - 0500	ROARING FORK	Sevier	1.5	Escherichia coli      NA	Collection System Failure	Water contact advisory. Stream is Category 4a. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010107 010 - 0600	BASKINS CREEK	Sevier	1.3	Escherichia coli      NA	Collection System Failure	Water contact advisory. Stream is Category 4a. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010107 010 - 1000	WEST PRONG LITTLE PIGEON RIVER	Sevier	8.1	Escherichia coli      NA Loss of biological integrity      H due to siltation      M Phosphorus  The trout stream portion of this segment is considered “threatened by elevated water temperatures and low DO.	Septic Tanks Collection System Failure Land Development Channelization Municipal Point Source Discharges from MS4 Area	Water contact advisory. Development between Sevierville and Pigeon Forge adding silt to river. Stream is Category 5. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010107 010 - 1100	ROAD PRONG	Sevier	4.6	Low pH      L	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Acidity source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Stream is Category 5. (One or more uses impaired.) EPA should take the lead on TMDL.
TN06010107 010 - 1300	HOLY BRANCH	Sevier	1.0	Escherichia coli      NA	Collection System Failure	Water contact advisory. Stream is Category 4a. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.

Final Version 2006 303(d) LIST (Lower French Broad River cont.)

Waterbody ID	Impacted Waterbody	County	Partial	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010107 010 - 1800	MILL CREEK	Sevier	5.9	Physical Substrate Habitat Alterations Escherichia coli H NA	Collection System Failure Channelization	Stream is Category 5. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010107 010 - 1900	WALDEN CREEK	Sevier	2.6	Loss of biological integrity due to siltation Escherichia coli H NA	Pasture Grazing Land Development Septic Tanks	Stream is Category 5. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
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 H H	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 Phosphorus M NA M  This section is a trout stream and is considered <u>threatened</u> by low dissolved oxygen and elevated water temperatures.	Septic Tanks Collection System Failure Discharges from MS4 area Municipal Point Sources	Water contact advisory due to pathogens. Stream is Category 5. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010107 010 - 3000	WEST PRONG LITTLE PIGEON RIVER	Sevier	5.4	Phosphorus Escherichia coli M NA  This section is a trout stream and is considered <u>threatened</u> by low dissolved oxygen and elevated water temperatures.	Municipal Point Sources Discharges from MS4 Area Septic Tanks Collection System Failure	Water contact advisory. Stream is Category 5. One or more uses impaired. EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010107 029T - 0400	LEADVALE CREEK	Jefferson	4.4	Escherichia coli L	Pasture/Grazing	Water contact advisory. Stream is Category 5. One or more uses impaired.
TN06010107 029T - 1100	CLEAR CREEK	Jefferson	3.3	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.

**Final Version 2006 303(d) LIST (Lower French Broad River cont.)**

Waterbody ID	Impacted Waterbody	County	Partial	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010107 029T - 1150	CLEAR CREEK	Jefferson Cocke	13.6	Nutrients Escherichia coli M NA	Pasture Grazing	Stream is Category 5. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010107 038 - 1000	DUMPLIN CREEK	Jefferson Sevier	19.1	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations H H	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)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 001 - 0100	FLAT CREEK	Hamblen	4.9	Escherichia coli H	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 H	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 H	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 H H	Agriculture Source in Other State	Stream is Category 5. (One or more uses impaired.)
TN06010108 001 - 2000	NOLICHUCKY RIVER	Hamblen Cocke	7.7	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) Provides habitat for the federally listed oyster mussel ( <u>Epioblasma capsaeformis</u> ) and the fish, the snail darter ( <u>Percina tanasi</u> ).
TN06010108 001 - 3000	NOLICHUCKY RIVER	Greene Cocke	9.0	Loss of biological integrity due to siltation H	Agriculture Source in Other State	Stream is Category 5. (One or more uses impaired.) Provides habitat for the federally listed snail darter ( <u>Percina tanasi</u> ).
TN06010108 005 - 0310	PRIVET BRANCH	Greene	1.4	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.)

**Final Version 2006 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 005 - 0500	GREGG BRANCH	Greene	2.7	Loss of biological integrity due to siltation H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 005 - 0710	SHELTON BRANCH	Greene	1.23	Loss of biological integrity due to siltation H Habitat loss due to alteration in stream-side or littoral vegetative cover H	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 H	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 H	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 H	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 H Escherichia coli H	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 H	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 H	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 H	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 H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 0200	HOLLEY CREEK	Greene	8.5	Loss of biological integrity due to siltation H	Land Development Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 0300	COLLEGE CREEK	Greene	9.3	Loss of biological integrity due to siltation H Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 0400	MOON CREEK	Greene	8.7	Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 0500	PUDDING CREEK	Greene	5.5	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.)

**Final Version 2006 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 - 0750	RHEATOWN CREEK	Greene	6.7	Loss of biological integrity due to siltation H Habitat loss due to alteration in stream-side or littoral vegetative cover H	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 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.)
TN06010108 010 - 0900	SNAPP BRANCH	Washington	1.9	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.)
TN06010108 010 - 1000, 2000 & 3000	NOLICHUCKY RIVER	Greene Washington	38.5	Loss of biological integrity due to siltation H	Agriculture Source in Other State	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 1100	ASBURY CREEK	Washington	2.33	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.)
TN06010108 010 - 1200	KNAVE BRANCH	Washington	4.6	Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 1300	KEPLINGER CREEK	Washington	5.3	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.)
TN06010108 010 - 1400	LEBANON BRANCH	Washington	1.9	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.)
TN06010108 010 - 1900	MARTINS CREEK	Unicoi	8.3	Habitat loss due to alteration in stream-side or littoral vegetative cover H	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 H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)

Final Version 2006 303(d) LIST (Nolichucky River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 010 - 3100	KATY BRANCH	Washington	0.8	Loss of biological integrity due to siltation H	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 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.)
TN06010108 010 - 3800	WOLF BRANCH	Greene	1.3	Loss of biological integrity due to siltation H Habitat loss due to alteration in stream-side or littoral vegetative cover H	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN06010108 010 - 6000	NOLICHUCKY RIVER	Unicoi	2.06	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 H	Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010108 029 - 0900	TATE SPRINGS	Unicoi	1.0	Suspended Solids H	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 H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0100	CEDAR CREEK	Greene	3.3	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.)
TN06010108 030 - 0200	JOCKEY CREEK	Greene	8.0	Nitrate M Loss of biological integrity due to siltation H Escherichia coli H	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 H Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing Livestock in Stream	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 - 0220	CARSON CREEK	Greene Washington	17.9	Nitrate Loss of biological integrity due to siltation Escherichia coli	M H H	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	H H	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	H H	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	H H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0410	BLACKLEY CREEK	Washington	16.0	Escherichia coli	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0430	MUDDY FORK	Washington	23.8	Escherichia coli	H	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	H H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 1000	BIG LIMESTONE CREEK	Greene Washington	3.1	Escherichia coli	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 2000	BIG LIMESTONE CREEK	Washington	8.8	Phosphorus Nitrate Loss of biological integrity due to siltation Escherichia coli	H H H H	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 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.)

Final Version 2006 303(d) LIST (Nolichucky River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 033 - 1000	PIGEON CREEK	Greene	8.8	Escherichia coli H	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 H Habitat loss due to alteration in stream-side or littoral vegetative cover H Escherichia coli H	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 H	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 H	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 H Escherichia coli H	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 H Other Habitat Alterations H Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 1110	BABB CREEK	Greene	4.6	Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 1400	GARDINER CREEK	Greene	5.4	Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 1410	WATTENBARGER CREEK	Greene	5.3	Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 1800	PYBORN CREEK	Greene	6.4	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 1900	CLEAR CREEK	Greene Washington	19.9	Loss of biological integrity due to siltation H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 2000	LICK CREEK	Greene	2.3	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 2300	HORSE FORK	Greene	1.6	Other Habitat Alterations H	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 H Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

Final Version 2006 303(d) LIST (Nolichucky River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 035 – 2320	DAVIS CREEK	Greene	2.8	Loss of biological integrity due to siltation Other Habitat Alterations H H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2400	HOODLEY BRANCH	Greene	5.3	Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2521	POSSUM CREEK	Greene	7.5	Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2800	MINK CREEK	Greene	9.1	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2810	POND CREEK	Greene	2.2	Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 2900	FOX BRANCH	Greene	1.5	Other Habitat Alterations H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 3000	LICK CREEK	Greene	7.4	Nutrients Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli M H H H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 4000	LICK CREEK	Greene	4.9	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 – 5000, 6000 & 7000	LICK CREEK	Greene	36.1	Nutrients Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli M H H H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 8000	LICK CREEK	Greene	7.2	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 035 - 9000	LICK CREEK	Greene	7.7	Nutrients Loss of biological integrity due to siltation Escherichia coli M H H	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 H	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 H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 042 - 0600	MUD CREEK	Hamblen Hawkins	8.2	Escherichia coli H	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 H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 042 - 1000	BENT CREEK	Hamblen	13.7	Escherichia coli H	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 H	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 H	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 H	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 H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 043 - 1000	LONG CREEK	Jefferson Hamblen	13.5	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 064 - 1000 & 2000	SINKING CREEK	Greene	23.4	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 088 - 0200	ALEXANDER CREEK	Greene	2.8	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 102 - 0100	UNNAMED TRIB TO RICHLAND CREEK	Greene	4.05	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 102 - 0200	SIMPSON CREEK	Greene	1.87	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.)
TN06010108 102 - 0300	TIPTON CREEK	Greene	1.60	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.)
TN06010108 102 - 0400	EAST FORK RICHLAND CREEK	Greene	4.96	Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 102 - 2000	RICHLAND CREEK	Greene	8.51	Nutrients M Loss of biological integrity due to siltation H Habitat loss due to alteration in stream-side or littoral vegetative cover H Escherichia coli H	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 H Habitat loss due to alteration in stream-side or littoral vegetative cover H	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 H Habitat loss due to alteration in stream-side or littoral vegetative cover H	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010108 510 - 0200	BACON BRANCH	Washington	4.6	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.)
TN06010108 510 - 0300	FEIST BRANCH	Washington	2.3	Loss of biological integrity due to siltation H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 510 - 0400	HOMINY CREEK	Washington	7.0	Nitrate H Escherichia coli H	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 H	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010108 510 - 1000	LITTLE LIMESTONE CREEK	Washington	8.0	Nitrate H Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 510 - 2000	LITTLE LIMESTONE CREEK	Washington	13.5	Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli H H	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 H H	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 H H	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 H	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 H	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 H H	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 H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 DCTRIBS – 0500	MUD CREEK	Greene	21.4	Loss of biological integrity due to siltation H	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 H H	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 - 1000	WATTS BAR RESERVOIR	Rhea Roane Meigs	34075 ac	PCBs L	Contaminated sediments	Fishing advisory due to PCBs. Category 5, impaired for one or more uses.
TN06010201 001 – 2000	UPPER WATTS BAR RESERVOIR Sweetwater Creek to Fort Loudoun Dam.	Loudon	1790 ac	Low DO L PCBs 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 taken action to improve dissolved oxygen conditions downstream of the dam.
TN06010201 011 - 1000	PAINT ROCK CREEK	Roane	12.2	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010201 013 - 0100	MUD CREEK	Loudon Monroe	7.2	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010201 013 - 0200	GREASY BRANCH	Loudon Monroe	7.3	Escherichia coli NA	Pasture Grazing	Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010201 013 – 1000	POND CREEK	Loudon Monroe	13.57	Nitrates M Physical Substrate Habitat M Alteration NA Escherichia coli	Pasture Grazing M Livestock in Stream M Animal Feeding Operations (NPS) NA	This stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010201 013 – 2000	POND CREEK	Loudon Monroe	4.18	Nitrates M Escherichia coli NA	Pasture Grazing M Livestock in Stream NA	Stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.

**Final Version 2006 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 015 – 0100	BACON CREEK	Loudon Monroe	10.2	Escherichia coli NA	Pasture Grazing Animal Feeding Operations (NPS)	Stream is Category 4a. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010201 015 - 1000	SWEETWATER CREEK	Loudon Monroe	29.3	Nitrates M Loss of biological integrity due to siltation H Escherichia coli NA	Municipal Point Source Discharge Channelization Pasture Grazing Land Development Animal Feeding Operation (NPS)	This stream is Category 5. One or more uses impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
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 NA	Pasture Grazing	Stream is Category 4a. One or more uses impaired, but EPA has approved a siltation TMDL that addresses the known pollutant.
TN06010201 026 – 0100	RODDY BRANCH	Blount Knox	6.4	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Physical Substrate Habitat Alteration NA Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing Channelization Removal of Riparian Habitat	Stream is Category 4a. One or more uses impaired, but EPA has approved pathogen, siltation, and habitat alteration TMDLs that address the known pollutants.
TN06010201 026 – 0200	CANEY BRANCH	Blount	2.0	Physical Substrate Habitat Alteration NA	Pasture Grazing	Stream is Category 4a. One or more uses impaired, but EPA has approved a habitat alteration TMDLs that address the known pollutant.
TN06010201 026 – 0300	HOLLYBROOK BRANCH	Blount	2.78	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved siltation and habitat alteration TMDLs to address the known pollutants.
TN06010201 026 – 0400	PISTOL CREEK	Blount	7.66	Loss of biological integrity due to siltation NA Escherichia coli NA	Discharges from MS4 area	Stream is Category 4a. One or more uses impaired, but EPA has approved pathogen and siltation TMDLs that address the known pollutants.

Final Version 2006 303(d) LIST (Upper Tennessee River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 026 – 0410	SPRINGFIELD BRANCH	Blount	5.48	Loss of biological integrity due to siltation NA	Discharges from MS4 area	Stream is Category 4a. One or more uses impaired, but EPA has approved a siltation TMDL that addresses the known pollutants.
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 NA	Discharges from MS4 area Land Development	This stream is Category 5. One or more uses impaired, but EPA has approved siltation and habitat alteration TMDLs to address the known pollutants.
TN06010201 026 – 0430	LAUREL BANK BRANCH	Blount	22.72	Loss of biological integrity due to siltation NA Escherichia coli NA	Discharges from MS4 area	Stream is Category 4a. One or more uses impaired, but EPA has approved pathogen and siltation TMDLs that address the known pollutants.
TN06010201 026 – 0500	RUSSELL BRANCH	Blount	3.0	PCBs L Loss of biological integrity due to siltation NA	Contaminated Sediment RCRA Hazardous Waste Discharges from MS4 area	This stream is Category 5. One or more uses impaired, but EPA has approved a siltation TMDL that addresses the known pollutants.
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 NA Loss of biological integrity due to siltation NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN06010201 027 – 0400	PEPPERMINT BRANCH	Blount	2.7	Loss of biological integrity due to siltation NA	Discharges from MS4 area Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a siltation TMDL that addresses the known pollutant.

Final Version 2006 303(d) LIST (Upper Tennessee River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 028 – 0100	SPICEWOOD BRANCH	Blount	2.23	Loss of biological integrity due to siltation NA	Streambank Modifications	Stream is Category 4a. Impaired, but EPA has approved a siltation TMDL that addresses the known pollutant.
TN06010201 028 – 0300	SOUTH FORK CROOKED CREEK	Blount	8.21	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN06010201 028 – 0500	FLAG BRANCH	Blount	7.8	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	Stream is Category 4a. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN06010201 028 – 1000	CROOKED CREEK	Blount	13.91	Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing Livestock in Stream	Stream is Category 4a. Impaired, but EPA has approved siltation and pathogen TMDLs that address the known pollutants.
TN06010201 032 - 0510	GOSHEN PRONG	Sevier	6.66	Low pH L	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Low pH source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Stream is Category 5. (One or more uses impaired.) EPA should take the lead on atmospheric deposition TMDL.
TN06010201 032 - 0530	UNNAMED TRIB. TO FISH CAMP PRONG	Sevier	1.34	Low pH L	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Low pH source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Stream is Category 5. (One or more uses impaired.) EPA should take the lead on atmospheric deposition TMDL.

Final Version 2006 303(d) LIST (Upper Tennessee River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 032 – 0810	TIPTON BRANCH	Blount	2.5	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Upstream Impoundments	Stream is Category 4a. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN06010201 033-0100	LITTLE ELLEJOY CREEK	Blount	14.7	Nitrate M Escherichia coli NA	Pasture Grazing Animal Feeding Operations	Stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutant.
TN06010201 033 – 0200	PITNER CREEK	Blount	13.5	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010201 033 – 0400	SOUTH FORK ELLEJOY CREEK	Sevier	2.02	Habitat loss due to alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a habitat alteration TMDL that addresses the known pollutants.
TN06010201 033 – 0500	CARTER BRANCH	Sevier	4.63	Habitat loss due to alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a habitat alteration TMDL that addresses the known pollutants.
TN06010201 033 - 1000	ELLEJOY CREEK	Blount	14.78	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010201 033 - 2000	ELLEJOY CREEK	Blount	5.37	Nitrates M Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing	This stream is Category 5. Impaired, but EPA has approved siltation and pathogen TMDLs that addresses some of the known pollutants.
TN06010201 034 - 0200	WILDWOOD BRANCH	Blount	6.26	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved pathogen and habitat alteration TMDLs that address the known pollutants.

**Final Version 2006 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 034 – 1000	NAILS CREEK	Blount Sevier	24.5	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010201 037 – 1000	LITTLE TURKEY CREEK	Knox	14.0	Loss of biological integrity due to siltation NA	Discharges from MS4 area	Stream is Category 4a. EPA has approved a siltation TMDL that addresses the known pollutant.
TN06010201 040 – 0600	BLACK CREEK	Roane	16.7	Polycyclic Aromatic Hydrocarbons (PAHs) L Nutrients M Physical Substrate Habitat Alterations L Escherichia coli NA	Municipal Point Source Discharges Collection System Failures RCRA Hazardous Waste Channelization	CERCLA site discharging PAHs. This stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010201 065 – 1000	STEEKEE CREEK	Loudon	11.0	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing	This stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010201 066 – 0100	CASTEEL BRANCH	Knox	2.0	Loss of biological integrity due to siltation NA	Pasture Grazing Discharges from MS4 area	Stream is Category 4a. Impaired, but EPA has approved a siltation TMDL that addresses known pollutants.
TN06010201 066 – 0200	TWIN BRANCH	Knox	1.87	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	Stream is Category 4a. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN06010201 066 – 0400	GRANDVIEW BRANCH	Knox	1.7	Escherichia coli NA	Discharges from MS4 area	Stream is Category 4a. EPA has approved a pathogen TMDL that addresses the known pollutant.
TN06010201 066 – 0500	McCALL BRANCH	Knox	1.73	Loss of biological integrity due to siltation NA	Discharges from MS4 area Streambank Modification	Stream is Category 4a. Impaired, but EPA has approved a siltation TMDL that addresses the known pollutant.
TN06010201 066 – 0600	HIGH BLUFF BRANCH	Knox	1.25	Escherichia coli NA	Discharges from MS4 area	Stream is Category 4a. EPA has approved a pathogen TMDL that addresses the known pollutant.

Final Version 2006 303(d) LIST (Upper Tennessee River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 066 – 1000	STOCK CREEK	Knox	3.77	Physical Substrate Habitat Alterations NA Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing Channelization	Stream is Category 4a. Impaired, but EPA has approved siltation, pathogen, and habitat alteration TMDLs that address known pollutants.
TN06010201 066 – 1200	GUN HOLLOW BRANCH	Knox	1.36	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutant.
TN06010201 066 – 2000	STOCK CREEK	Knox	1.98	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutant.
TN06010201 067 – 1000	THIRD CREEK	Knox	20.7	Nitrates M Loss of biological integrity due to siltation NA Other Anthropogenic Habitat Alterations NA 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, impaired for one or more uses. However, EPA has approved siltation, pathogen, and habitat alteration TMDLs that address some of the known pollutants.
TN06010201 080 – 0100	WHITES CREEK	Knox	10.2	Other Anthropogenic Habitat Alterations NA Escherichia coli L	Discharges from MS4 area Streambank Modification	This stream is Category 5, impaired for one or more uses. However, EPA has approved a habitat alteration TMDL that addresses some of the known pollutants.
TN06010201 080 – 1000	FIRST CREEK	Knox	16.1	Nitrates M Loss of biological integrity due to siltation NA Other Anthropogenic Habitat Alterations NA Escherichia coli NA	Discharges from MS4 area Urbanized High Density Area Collection System Failure	Water contact advisory. This stream is Category 5, impaired for one or more uses. EPA has approved siltation, pathogen, and habitat alteration TMDLs that address some of the known pollutants.
TN06010201 083 – 1000	FLOYD CREEK	Loudon Blount	7.7	Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing	This stream is Category 4a, impaired for one or more uses. EPA has approved siltation and pathogen TMDLs that address the known pollutants.

Final Version 2006 303(d) LIST (Upper Tennessee River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 087 – 1000	HINES CREEK	Loudon Roane	20.3	Escherichia coli NA	Pasture Grazing	This stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutant.
TN06010201 097- 1000	SECOND CREEK	Knox	12.8	Other Anthropogenic Habitat Alterations NA Nitrates M Loss of biological integrity due to siltation NA Escherichia coli NA	Discharges from MS4 area Urbanized High Density Area Collection System Failure	Water contact advisory. Stream is Category 5. Impaired, but EPA has approved siltation, pathogen, and habitat alteration TMDLs that address some of the known pollutants.
TN06010201 340 – 1000	TURKEY CREEK	Knox	15.8	Loss of biological integrity due to siltation NA Escherichia coli L	Discharges from MS4 area	Stream is Category 5. Impaired, but EPA has approved a siltation TMDL that addresses some of the known pollutants.
TN06010201 1015 – 1000	CLOYD CREEK	Loudon	11.3	Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA Escherichia coli NA	Pasture Grazing Livestock in Stream	This stream is Category 4a. Impaired, but EPA has approved siltation, pathogen, and habitat alteration TMDLs that address the known pollutants.
TN06010201 1149 – 1000	POLECAT CREEK	Loudon	13.1	Escherichia coli NA	Pasture Grazing	This stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010201 1330 – 1000	SINKING CREEK	Knox	1.5	Escherichia coli L	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 NA Loss of biological integrity due to siltation NA	Discharges from MS4 area	This stream is Category 4a. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN06010201 620 – 1000	CARDIFF CREEK	Roane	3.8	Chrome, hexavalent L pH 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.

Final Version 2006 303(d) LIST (Upper Tennessee River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 621 – 1000	CANEY CREEK	Roane	13.2	Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing Collection System Failure	This stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010201 697 – 1000	FOURTH CREEK	Knox	14.9	Physical Substrate Habitat Alterations NA Escherichia coli NA	Discharges from MS4 area Channelization	This stream is Category 4a. Impaired, but EPA has approved pathogen and habitat alteration TMDLs that address the known pollutants.
TN06010201 719 – 1000	WILLIAMS CREEK	Knox	2.8	Other Anthropogenic Habitat Alterations NA Escherichia coli NA	Discharges from MS4 area Collection System Failure	This stream is Category 4a. Impaired, but EPA has approved pathogen and habitat alteration TMDLs that address the known pollutants.
TN06010201 721 – 1000	BAKER CREEK	Knox	3.3	Nitrates M Other Anthropogenic Habitat Alterations NA Escherichia coli NA	Discharges from MS4 area Collection System Failure	Stream is Category 5. Impaired, but EPA has approved pathogen and habitat alteration TMDLs that address some of the known pollutants.
TN06010201 723 – 1000	GOOSE CREEK	Knox	4.9	Loss of biological integrity due to siltation NA Other Anthropogenic Habitat Alterations NA PCBs L Escherichia coli NA	Collection System Failure Discharges from MS4 area RCRA Hazardous Waste	Water contact advisory due to pathogens. Witherspoon Superfund site. Stream is Category 5. Impaired, but EPA has approved siltation, pathogen, and habitat alteration TMDLs that address some of the known pollutants.
TN06010201 983 – 1000	POLECAT CREEK	Blount	1.85	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Land Development Channelization	This stream is Category 4a. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.

## 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 H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010204 004 - 0200	CRAIGHEAD CREEK	Monroe	8.5	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.)
TN06010204 004 - 1000	BAT CREEK	Monroe	19.1	Escherichia coli H	Collection System Failure 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 NA	Upstream Impoundment	Flow is diverted around this section of the Little Tennessee River below Calderwood Reservoir. This stream is Category 4c. The impact is not caused by a pollutant.
TN06010204 042 - 0100	CENTENARY CREEK	Blount	3.25	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.)
TN06010204 042 - 0311	UNNAMED TRIBUTARY TO BIG SPRINGS BRANCH	Blount	0.2	Temperature Alterations H	Upstream Impoundment	This stream is Category 5. The stream is impaired for one or more uses.
TN06010204 043 - 0300	LITTLE BAKER CREEK	Blount	6.1	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.)
TN06010204 043 - 1000	BAKER CREEK	Blount Loudon	18.22	Alteration in stream-side or littoral vegetative cover Escherichia coli H M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010204 044 - 0100	CANE CREEK	Monroe	29.3	Escherichia coli M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 303(d) LIST (Little 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>
TN06010204 045 – 0100	NORTH FORK NOTCHY CREEK	Monroe	12.8	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.)
TN06010204 045 – 1000	NOTCHY CREEK	Monroe	11.2	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli H H M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010204 056 – 0150	LAUREL CREEK	Monroe	0.47	Habitat loss due to stream flow alteration NA	Upstream Impoundment	The stream is Category 4c. The impact is not caused by a pollutant.
TN06010204 056 – 1000	BIG CREEK	Monroe	14.65	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010204 065 – 1000	ISLAND CREEK	Monroe	10.0	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).

<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 013 - 0500	GREASY ROCK CREEK	Hancock	5.7	Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli H H	Pasture Grazing Land Development	Stream is Category 5. (One or more uses impaired.)
TN06010205 013 - 0620	EAST FORK PAINTHOR CREEK	Hancock	5.5	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
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 064 - 0110	THOMPSON CREEK	Campbell	7.3	Low pH L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN06010205 064 - 1000	BIG CREEK	Campbell	1.2	Biological integrity loss due to undetermined cause Nutrients L 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).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010206 006 – 0200	GAP CREEK	Claiborne	12.7	Escherichia coli H	Septic Tanks Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN06010206 006 – 0310	UNNAMED TRIB TO BLAIRS CREEK	Claiborne	1.8	Loss of biological integrity due to siltation H	Hwy/Road/Bridge Construction	Stream is Category 5. (One or more uses impaired.)
TN06010206 007 – 0100	LITTLE CREEK	Claiborne	9.4	Escherichia coli H	Septic Tanks	Stream is Category 5. (One or more uses impaired.)
TN06010206 007 – 0700	MULBERRY CREEK	Hancock	26.6	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010206 007 – 0710	LITTLE MULBERRY CREEK	Claiborne Hancock	4.0	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010206 008 – 1000	RUSSELL CREEK	Claiborne	8.1	Nitrates Phosphates Escherichia coli M M M	Discharges from MS4 Area Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010206 008 – 2000	RUSSELL CREEK	Claiborne	7.0	Nutrients Loss of biological integrity due to siltation H	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 H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010206 026 – 0200	RUSSELL BRANCH	Claiborne	3.5	Nitrate Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli M H H H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010206 026 – 1000	DAVIS CREEK	Campbell Claiborne	8.0	Nutrients Loss of biological integrity due to siltation Escherichia coli M H H	Confined Animal Feeding Operation (point and nonpoint)	Dairy operations. Stream is Category 5. (One or more uses impaired.)
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 H H H	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 H H	Pasture Grazing Confined Animal Feeding Operation (nonpoint)	Dairy operations. Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 – 4000	DAVIS CREEK	Claiborne	2.6	Nutrients Loss of biological integrity due to siltation Escherichia coli	M H H	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.) EPA should produce TMDL for pollutants from DOE facilities.
TN06010207 004 – 0100	GRABLE BRANCH	Knox	1.3	Oil & Grease Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	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 Knox Loudon Roane	5690 ac	PCBs Chlordane	L L	Contaminated Sediment	Fishing advisory due to PCBs and chlordane. Stream is Category 5. (One or more uses impaired.) EPA should produce TMDL for pollutants from DOE facilities.
TN06010207 006T – 0700	MCCOY BRANCH	Anderson	1.17	Arsenic	L	CERCLA NPL Sites	Stream is Category 5. (One or more uses impaired.) EPA should produce TMDL for pollutants from DOE facilities.
TN06010207 006T – 0900	SCARBORO CREEK	Anderson	1.99	Escherichia coli	L	Municipal Urbanized Area	Stream is Category 5. (One or more uses impaired.)
TN06010207 006T – 1100	ERNIES CREEK	Anderson	4.1	Escherichia coli	L	Municipal Urbanized Area	Stream is Category 5. (One or more uses impaired.)

Final Version 2006 303(d) LIST (Clinch River cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE /TMDL Priority	Pollutant Source	COMMENTS
TN06010207 011 – 0300	WILLOW FORK	Knox	5.9	Habitat loss due to alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli M L L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010207 011 – 0400	COX CREEK	Knox	4.5	Escherichia coli L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010207 011 – 0500	HINES BRANCH	Knox	3.2	Habitat loss due to other anthropogenic substrate alterations Escherichia coli M L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010207 011 – 0600	KNOB FORK	Knox	8.1	Loss of biological integrity due to siltation Habitat loss due to other anthropogenic substrate alteration in stream-side or littoral vegetative cover Escherichia coli M M L	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 Escherichia coli M L	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06010207 011 – 0800	MEADOW CREEK	Knox	4.96	Escherichia coli L	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06010207 011 – 0900	PLUM CREEK	Knox	5.3	Escherichia coli L	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06010207 011 – 1000	BEAVER CREEK	Knox	22.5	Phosphorus Nitrates Escherichia coli Low Dissolved Oxygen Loss of biological integrity due to siltation Physical Substrate Habitat Alterations M M NA M M	Major Municipal Point Source Pasture Grazing Discharges from MS4 Area	Stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010207 011 – 2000	BEAVER CREEK	Knox	13.7	Escherichia coli Loss of biological integrity due to siltation Physical Substrate Habitat alterations NA M M	Pasture Grazing Discharges from MS4 Area	Stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.

Final Version 2006 303(d) LIST (Clinch River cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE /TMDL Priority	Pollutant Source	COMMENTS
TN06010207 011 – 3000	BEAVER CREEK	Knox	7.5	Escherichia coli NA Loss of biological integrity M due to siltation Physical Substrate Habitat M alterations	Pasture Grazing Discharges from MS4 Area	Stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
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 – 1000	BULLRUN CREEK	Knox Anderson	11.8	Loss of biological integrity due to siltation M Physical Substrate Habitat M Alteration Escherichia coli NA	Discharges from MS4 Area Pasture Grazing Channelization	Stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010207 014 – 3000	BULLRUN CREEK	Union Grainger	11.4	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06010207 016 – 0200	BYRAMS CREEK	Anderson Union	22.4	Escherichia coli L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010207 016 – 1000	HINDS CREEK	Anderson	6.7	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M Escherichia coli NA	Pasture Grazing	Stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010207 019 – 2000	CLINCH RIVER	Anderson	7.4	Thermal Modifications L Habitat loss due to stream flow alteration NA	Upstream Impoundment	The Clinch River below Norris does not meet biocriteria due to rapid temperature and flow changes. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant). TVA has taken action to improve dissolved oxygen and flow conditions downstream of the dam.
TN06010207 020 – 0400	INDIAN CREEK	Roane	6.8	Loss of biological integrity due to siltation M Habitat loss due to alteration in stream-side or littoral vegetative cover M	Channelization Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 303(d) LIST (Clinch River 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>
TN06010207 020 – 1300	MITCHELL BRANCH	Anderson	1.0	PCBs Physical Substrate Habitat Alterations L M	CERCLA site Channelization	Stream is Category 5, (uses impaired.) TMDLs for DOE sites should be done by EPA.
TN06010207 026 – 0600	BEAR CREEK	Roane	10.87	Nitrates Escherichia coli M L	CERCLA site Undetermined Source	Stream is Category 5, uses impaired. TMDLs for DOE sites should be done by EPA.
TN06010207 026 – 1000	EAST FORK POPLAR CREEK	Roane	9.7	PCBs Mercury Escherichia coli Loss of biological integrity due to siltation Nitrates Phosphates L L NA M M M	Industrial Point Source Municipal Point Source Contaminated Sediments Collection System Failure High Density Municipal 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. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants. EPA should develop the TMDL for pollutants originating from DOE facilities.
TN06010207 026 – 2000	EAST FORK POPLAR CREEK	Anderson Roane	11.3	PCBs Mercury Escherichia coli Loss of biological integrity due to siltation Nutrients Other Anthropogenic Habitat Alterations L L NA M M M	Industrial Point Source Contaminated Sediments High Density Municipal Area	Same as above. Stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants. EPA should develop the TMDL for pollutants originating from DOE facilities.
TN06010207 028 – 1000	CANEY CREEK	Roane	7.4	Loss of biological integrity due to siltation Habitat loss due to alteration of stream-side or littoral vegetative cover M M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010207 029 – 1000	COAL CREEK	Anderson	10.9	Biological integrity loss due to undetermined cause Escherichia coli L NA	Minor Municipal Point Source	Stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010207 029 – 2000	COAL CREEK	Anderson	15.0	Escherichia coli NA	On-site Treatment Systems	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.

Final Version 2006 303(d) LIST (Clinch River cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE /TMDL Priority	Pollutant Source	COMMENTS
TN06010207 247 – 0100	MELTON BRANCH	Roane	2.0	Strontium L	CERCLA site	Stream is Category 5. (One or more uses impaired.) EPA should develop the TMDL for pollutants originating from DOE facilities.
TN06010207 247 – 1000	WHITEOAK CREEK	Anderson	5.3	Cesium L Strontium L Biological integrity loss due to undetermined cause L	CERCLA site	Stream is Category 5. (One or more uses impaired.) EPA should develop the TMDL for pollutants originating from DOE facilities.

**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 L Chlordane 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 L Physical Substrate Habitat Alterations H Loss of biological integrity due to siltation 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 L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation 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> ).

Final Version 2006 303(d) LIST (Emory River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010208 013 – 0400	DROWNING CREEK	Cumberland	13.1	Loss of biological integrity due to siltation H Physical Substrate Habitat Alterations 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 NA Physical Substrate Habitat Alterations L	Discharges from MS4 area Upstream Impoundment	A significant loss of expected diversity below Lake Holiday near Crossville. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
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 NA Iron NA 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 – 0500	FAGON MILL CREEK	Morgan	2.6	Manganese NA 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.

**Final Version 2006 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 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).

<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 001 – 1000	NICKAJACK RESERVOIR	Marion Hamilton	10370.0 ac	PCBs L Dioxins 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, uses impaired.
TN06020001 007 – 0100	FRIAR BRANCH	Hamilton	18.94	Loss of biological integrity due to siltation H Nutrients M Habitat loss due to alteration in stream-side or littoral vegetative cover H Escherichia coli M	Land Development Discharges from MS4 area Collection System Failure	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 007 – 0200	UNNAMED TRIB TO SOUTH CHICKAMAUGA CR.	Hamilton	1.1	Nutrients M Escherichia coli M Habitat loss due to alteration in stream-side or littoral vegetative cover NA	Collection System Failure Discharges from MS4 area Hydromodification	Stream is Category 5. (One or more uses impaired.) The stream is in Category 4c for “Alterations of stream-side or littoral vegetative cover.”
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 M Physical Substrate Habitat Alterations H Escherichia coli M Loss of biological integrity due to siltation H	Land Development Discharges from MS4 area Channelization Sources Outside of State Collection System Failure	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 H Nitrates L Phosphate L Low Dissolved Oxygen L Escherichia coli M	Confined Animal Feeding Operations (Nonpoint) Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020001 029 – 1000	LONG SAVANNAH CREEK	Hamilton	15.0	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020001 041 – 0320	BIVENS BRANCH	McMinn	2.2	Low Dissolved Oxygen M Escherichia coli M	Confined Animal Feeding Operations (Nonpoint)	Stream is Category 5. (One or more uses impaired.)
TN06020001 048 – 0450	LAUREL CREEK	Rhea	0.63	Habitat loss due to stream flow alteration NA Low Dissolved Oxygen L	Upstream Impoundment	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN06020001 049 – 1000	LITTLE RICHLAND CREEK	Rhea	20.4	Habitat loss due to alteration in stream-side or littoral vegetative cover H Physical Substrate Habitat Alterations H Loss of biological integrity due to siltation H	Confined Animal Feeding Operations (Nonpoint) Urbanized High Density Area Channelization	Stream is Category 5. (One or more uses impaired.)
TN06020001 057 – 0200	ROARING CREEK	Rhea	5.3	Physical Substrate Habitat Alteration H	Channelization	Stream is Category 5. (One or more uses impaired.)
TN06020001 062 – 1000	POSSUM CREEK	Hamilton Bledsoe	13.19	Physical Substrate Habitat Alteration H	Channelization	Stream is Category 5. (One or more uses impaired.)

Final Version 2006 303(d) LIST (Lower Tennessee River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
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	H H	Land Development Hydromodification	Near Grubb Road. Stream is Category 5. (One or more uses impaired.)
TN06020001 067 – 0210	NINEMILE BRANCH	Hamilton	4.0	Low Dissolved Oxygen Physical Substrate Habitat Alterations	M H	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)
TN06020001 067 – 0500	BOSTON CREEK	Hamilton	1.12	Habitat loss due to stream flow alteration	NA	Upstream Impoundment	Stream is Category 4c. Impacts are not caused by a pollutant.
TN06020001 067 – 0600	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	HOGSKIN BRANCH	Hamilton	2.0	pH	NA	Abandoned Mining	Stream is Category 4a. Impaired, however, EPA has approved a pH TMDL that addresses the known pollutant.
TN06020001 067 – 1400	ROGERS BRANCH	Hamilton	1.9	Low dissolved oxygen Habitat loss due to stream flow alterations	M NA	Discharges from MS4 area Upstream Impoundment	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN06020001 067 – 2000	N. CHICKAMAUGA CREEK	Hamilton	4.08	pH Physical Substrate Habitat Alterations	NA H	Abandoned Mining Hydromodification	Stream is Category 5. Impaired, but EPA has approved a pH TMDL that addresses some of the known pollutants.
TN06020001 067 – 4000	N. CHICKAMAUGA CREEK	Hamilton Sequatchie	8.02	pH	NA	Abandoned Mining	Stream is Category 4a. Impaired, however, EPA has approved a pH TMDL that addresses the known pollutant.
TN06020001 087 – 1000	SHOAL CREEK	Hamilton	5.4	Escherichia coli	M	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06020001 109 – 0100	SHORT CREEK	Hamilton	2.5	Escherichia coli	M	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 109 – 0300	FRUEDENBERG CREEK	Hamilton	1.4	Iron Low Dissolved Oxygen pH L L L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN06020001 109 – 0400	BEE CREEK	Hamilton	1.55	Escherichia coli M	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06020001 1240 – 0100	UNNAMED TRIB TO CITICO CREEK	Hamilton	1.2	Low Dissolved Oxygen Phosphorus Thermal Modifications Escherichia coli Habitat loss due to alteration in stream-side or littoral vegetative cover M M L M H	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.)
TN06020001 1244 – 0100	DOBBS BRANCH	Hamilton	5.3	Unionized Ammonia Low dissolved oxygen Escherichia coli Habitat loss due to alteration in stream-side or littoral vegetative cover M M M H	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 H	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 H	Discharges from MS4 area Hydromodification	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 1244 – 1000	CHATTANOOGA CREEK	Hamilton	8.4	PCBs L Dioxins L Low dissolved oxygen M Escherichia coli M Habitat loss due to alteration in stream-side or littoral vegetative cover H Oil and Grease 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 L Loss of biological integrity due to siltation H	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN06020001 421 – 0200	NORTH SUCK CREEK	Marion Sequatchie	10.48	pH L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN06020001 426 – 0100	STRINGERS BRANCH	Hamilton	5.8	Escherichia coli M Habitat loss due to alteration in stream-side or littoral vegetative cover H	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.)
TN06020001 426 – 1000	MOUNTAIN CREEK	Hamilton	3.2	Habitat loss due to alteration in stream-side or littoral vegetative cover H	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.)
TN06020001 880 – 1000	ROGERS BRANCH	Hamilton	10.4	Escherichia coli L	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06020001 889 – 0300	WILKERSON BRANCH	Hamilton	5.8	Escherichia coli L	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06020001 889 – 1000	WOLFTEVER CREEK	Hamilton	11.1	Escherichia coli L	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)

## Hiwassee River

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020002 001 - 0100	AGENCY CREEK	Meigs	32.7	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06020002 005 - 0900	BEAVERDAM CREEK	Bradley	3.07	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover NA NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN06020002 005 - 1000	CANDIES CREEK	Bradley	9.65	Loss of biological integrity due to siltation NA	Discharges from MS4 area Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a siltation TMDL that addresses known pollutants.
TN06020002 005 - 1100	UNNAMED TRIB TO CANDIES CREEK	Bradley	1.55	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation NA NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN06020002 005 - 1200	UNNAMED TRIB TO CANDIES CREEK	Bradley	0.95	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. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN06020002 005 - 1300	UNNAMED TRIB TO CANDIES CREEK	Bradley	1.14	Loss of biological integrity due to siltation NA	Undetermined Source	Stream is Category 4a. Impaired, but EPA has approved a siltation TMDL that addresses known pollutants.
TN06020002 005 - 2000	CANDIES CREEK	Bradley	16.32	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation NA NA	Discharges from MS4 area Pasture Grazing Streambank Modifications	Stream is Category 4a. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN06020002 005 - 3000	CANDIES CREEK	Bradley	9.51	Loss of biological integrity due to siltation NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a siltation TMDL that addresses known pollutants.
TN06020002 008 - 1000	HIWASSEE RIVER	Bradley McMinn	7.7	Escherichia coli NA	Collection System Failure Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.

**Final Version 2006 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 009 - 0200	FILLAUER CREEK	Bradley	7.4	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli NA	Discharges from MS4 area Collection System Failure	Stream is Category 4a. Impaired, but EPA has approved pathogen, siltation and habitat alteration TMDLs that address known pollutants.
TN06020002 009 - 0300	WOOLEN MILL BRANCH	Bradley	3.92	Habitat loss due to alteration in stream-side or littoral vegetative cover NA Nutrients M Escherichia coli NA	Discharges from MS4 area Illicit Connections to Storm Sewers Collection System Failure	Multiple fish kills due to sewage overflows. Stream is Category 5. Impaired, but EPA has approved pathogen and habitat alteration TMDLs that address some of the known pollutants.
TN06020002 009 – 2000	SOUTH MOUSE CREEK	Bradley	6.5	Biological integrity loss due to undetermined cause L Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA Escherichia coli NA	Discharges from MS4 area Channelization Streambank Modification/ Destabilization Collection System Failure	This stream is Category 5. Impaired, but EPA has approved pathogen, siltation and habitat alteration TMDLs that address some of the known pollutants.
TN06020002 012 – 0200	LITTLE CHATATA CREEK	Bradley	14.3	Loss of biological integrity due to siltation NA Habitat loss due to alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Discharges from MS4 area Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved pathogen, siltation and habitat alteration TMDLs that address known pollutants.
TN06020002 012 – 1000	CHATATA CREEK	Bradley	19.62	Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA Escherichia coli NA	Discharges from MS4 area Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved pathogen, siltation and habitat alteration TMDLs that address known pollutants.
TN06020002 018 – 0100	HAWKINS BRANCH	Polk	1.86	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06020002 018 – 0200	DAIRY BRANCH	Polk	1.78	Escherichia coli NA	Source Undetermined	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses known pollutants.

Final Version 2006 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 NA	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 4c. (Impacts are not caused by a pollutant.) 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 NA	Discharges from MS4 area Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06020002 082 – 0200	LITTLE CHESTUEE CREEK	McMinn Monroe	13.3	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06020002 082 – 2000	CHESTUEE CREEK	McMinn Monroe	17.9	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
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 pathogen 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 pathogen TMDL that addresses the known pollutants.

Final Version 2006 303(d) LIST (Hiwassee River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06020002 083 – 3000	OOSTANAULA CREEK	McMinn	7.4	Phosphate Loss of biological integrity due to siltation Escherichia coli	M NA NA	Municipal Point Source Discharge Discharge from MS4 area	Water contact advisory. Stream is Category 5. Impaired, but EPA has approved pathogen and siltation TMDLs that address some of the known pollutants.
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 pathogen TMDL that addresses some of the known pollutants.
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 pathogen TMDL that addresses the known pollutants.
TN06020002 084 - 1000	NORTH MOUSE CREEK	McMinn	38.36	Escherichia coli	NA	Pasture Grazing Discharges from MS4 area	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06020002 085 - 1000	SPRING CREEK	McMinn	33.8	Escherichia coli	NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06020002 087 - 1000	ROGERS CREEK	McMinn	21.6	Habitat loss due to alteration in stream-side or littoral vegetative cover Escherichia coli	NA NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved pathogen and habitat alteration TMDLs that addresses known pollutants.
TN06020002 088 - 1000	PRICE CREEK	Meigs	6.9	Escherichia coli	NA	Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN03150101 012 - 0200	MILL CREEK	Bradley Polk	20.1	Nitrate Escherichia coli M NA	Pasture Grazing	This stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN03150101 012 - 0300	BALL PLAY CREEK	Polk	7.44	Loss of biological integrity due to siltation Escherichia coli M NA	Pasture Grazing Septic Tanks	This stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020003 001 - 0100	FOURMILE CREEK	Polk	4.8	Escherichia coli NA	Discharges from MS4 area Pasture Grazing	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06020003 001 - 1000	OCOEE RIVER	Polk	13.0	pH Zinc L L	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines Upstream Impoundment	Biological integrity criteria not met below Parksville. This stream is Category 5 (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. This stream is Category 5, impaired for one or more uses.
TN06020003 013 - 1000	OCOEE RIVER - Parksville Res. to Ocoee #2 Dam.	Polk	7.18	Copper Iron Zinc Habitat loss due to stream flow alteration L L L NA	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines Upstream Impoundment	Use is impacted by metals and flow alteration for power generation. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant). TVA provides flows for recreational uses per existing agreements.

Final Version 2006 303(d) LIST (Ocoee River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE TMDL Priority	Pollutant Source	COMMENTS
TN06020003 013.5 – 1000	OCOEE NUMBER 2 Reservoir	Polk	494 ac	Copper L Iron L Zinc L Loss of biological integrity due to siltation L Habitat loss due to stream flow alteration NA	Mill Tailings L Mine Tailings L Contaminated Sediments L Impacts from Abandoned Mines L Upstream Impoundment	Upstream power generation causes flow alteration. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN06020003 013.55–1000	OCOEE RIVER- From Res. #2 to Dam #3.	Polk	3.9	Copper L Iron L Zinc L Loss of biological integrity due to siltation L Habitat loss due to stream flow alteration NA	Mill Tailings L Mine Tailings L Contaminated Sediments L Impacts from Abandoned Mines L Upstream Impoundment	Upstream water diversion for power generation causes flow alteration. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant). TVA provides flows for recreational uses per existing agreements.
TN06020003 013.7 – 1000	OCOEE NUMBER THREE RESERVOIR	Polk	480 ac	Copper L Iron L Zinc L Loss of biological integrity due to siltation L	Mill Tailings L Mine Tailings L Contaminated Sediments L Impacts from Abandoned Mines	This stream is Category 5. The stream is impaired for one or more uses.
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 L Mine Tailings L Channelization L 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 L Mine Tailings L 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 L Abandoned Mining	Historical mining operations. This stream is Category 5. The stream is impaired for one or more uses.

**Final Version 2006 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 - 0200	DAVIS MILL CREEK	Polk	3.8	Copper Iron Zinc pH Loss of biological integrity due to siltation	L L L L 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 Copper Zinc pH Loss of biological integrity due to siltation	L 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.

**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	2.04	Escherichia coli	M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
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.)

**Final Version 2006 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 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	4.99	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	1.45	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.)
TN06020004 009 – 2000	BIG BRUSH CREEK	Sequatchie Bledsoe	12.4	Manganese Other Anthropogenic Substrate Alterations 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	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.)

**Final Version 2006 303(d) LIST (Guntersville Reservoir 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>
TN06030001 057 - 0811	HEDDEN BRANCH	Grundey	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	Grundey	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	Grundey	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).

<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>
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 1149 - 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	13.91	Escherichia coli M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06030003 012 – 0400	ROBINSON CREEK	Franklin Lincoln	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.
TN06030003 015 – 1000	ELK RIVER	Franklin Moore	15.4	Thermal Modification Habitat loss due to stream flow alteration L NA	Upstream Impoundment	This segment provides habitat for the federally listed shiny pigtoe and slabside pearly mussel. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant). TVA has taken action to improve dissolved oxygen and flow conditions downstream of the dam.
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 H 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 NA Low Dissolved Oxygen L	Upstream Impoundment	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
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.

Final Version 2006 303(d) LIST (Elk River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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.
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 H Low Dissolved Oxygen H 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 Coffee	16.1	Low Dissolved Oxygen H Nitrate H Phosphate H Habitat loss due to stream flow alteration NA 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 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant). 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.

Final Version 2006 303(d) LIST (Elk River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030003 060 – 1000	CANE CREEK	Lincoln Marshall	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 Marshall	9.9	Nitrates H Phosphates H Low Dissolved Oxygen H 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.
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 L Habitat loss due to stream flow alterations NA	Industrial Point Source	Biology very poor downstream of AEDC. Stream is Category 5 (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
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. Impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses known pollutants.
TN06030003 567 – 1000	HESSEY BRANCH	Franklin	9.6	Nutrients H 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 ( <u>Percina tanasi</u> ) and the boulder darter ( <u>Etheostoma wapiti</u> ). This stream is Category 5. The stream is impaired for one or more uses.

Final Version 2006 303(d) LIST (Elk River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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 Loss of biological integrity due to siltation NA 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.
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 Marshall	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 H 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 H H 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.

**Final Version 2006 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>
TN06030004 043 – 0600	COFFEY BRANCH	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).

<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>
TN06030005 078 – 1000	SHOAL CREEK	Lawrence	13.2	Nitrates M Habitat loss due to alteration in stream-side or littoral vegetative cover 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 M Loss of biological integrity due to siltation 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 M Loss of biological integrity due to siltation M Escherichia coli M	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 043 - 0100	CHALK CREEK	Hardin	14.0	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040001 043 - 0200	MUD CREEK	Hardin	13.4	Loss of biological integrity due to siltation L Low dissolved oxygen L Physical Substrate Habitat Alterations L	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040001 043 - 0820	BINGHAM CREEK	Hardin Henderson	8.5	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040001 043 - 1000	WHITEOAK CREEK	Hardin	15.1	Loss of biological integrity due to siltation L Low dissolved oxygen L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040001 054 – 1000	SNAKE CREEK	McNairy Hardin	9.3	Low dissolved oxygen L Loss of biological integrity due to siltation L	Municipal Point Source Irrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN06040001 060 - 0300	WARDLOW CREEK	McNairy	10.92	Loss of biological integrity due to siltation L	Pasture Grazing Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN06040001 060 - 2000	CHAMBERS CREEK	McNairy	4.0	Loss of biological integrity due to siltation L Low dissolved oxygen L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
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 651 – 1000	GOODIN BRANCH	Decatur	2.87	Habitat loss due to stream flow alteration NA	Upstream Impoundment	Stream is Category 4c. Impacts are not caused by a pollutant.
TN06040001 802 – 1650	BROWN'S CREEK	Henderson	0.3	Temperature Alterations L Habitat loss due to stream flow alteration NA	Upstream Impoundment	Stream impacted by poor quality discharges from Browns Reservoir. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).

**Final Version 2006 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 Physical Substrate Habitat Alterations L L	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 L L	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 L L	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 L L	Livestock in Stream	Stream is Category 5. (One or more uses impaired.)
TN06040001 1163 – 3000	BEECH CREEK	Wayne	6.2	PCBs L	CERCLA site	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 002 – 0300	GLOBE CREEK	Maury Marshall	22.66	Escherichia coli L	Pasture Grazing	Stream is Category 5. One or more uses are impaired.
TN06040002 002 – 0310	EAST FORK OF GLOBE CREEK	Marshall	8.8	Unionized Ammonia Chloride Escherichia coli L L NA	Landfill Pasture Grazing	Stream is Category 5. One or more uses are impaired.
TN06040002 002 – 0700	HURRICANE CREEK	Maury	12.7	Loss of biological integrity due to siltation L	Pasture Grazing	Stream is Category 5. One or more uses are impaired.
TN06040002 002 – 3000	FOUNTAIN CREEK	Maury	7.9	Escherichia coli NA	Livestock in Stream	Stream is Category 4a. Impaired, but EPA has approved a pathogen TMDL for this stream that addresses the known pollutants.

**Final Version 2006 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 008 – 1000	CEDAR CREEK	Maury Marshall	7.62	Nitrates Escherichia coli M L	Pasture Grazing Non-irrigated Crop Production	Stream is Category 5. One or more uses are impaired.
TN06040002 010 – 0100	RICH CREEK	Marshall Bedford	10.81	Nitrates Escherichia coli M L	Pasture Grazing Non-irrigated Crop Production	Stream is Category 5. One or more uses are impaired.
TN06040002 012 - 0100	EAST ROCK CREEK	Marshall	14.17	Nitrates Loss of biological integrity due to siltation Physical Substrate Habitat Alterations M H H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06040002 012 - 0400	COLLINS CREEK	Marshall	5.3	Loss of biological integrity due to siltation H	Pasture Grazing Non-irrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN06040002 012 - 0500	SANDERS CREEK	Marshall	4.5	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover H 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 Alteration in stream-side or littoral vegetative cover H H	Land Development Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040002 012 - 2000	BIG ROCK CREEK	Marshall	9.0	Nitrates Loss of biological integrity due to siltation Low dissolved oxygen H H M	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 Physical Substrate Habitat Alterations Low Dissolved Oxygen H H M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06040002 020 - 1000	DUCK RIVER	Bedford	29.8	Escherichia coli L	Discharges from MS4 area	Shelbyville area pathogen sources. 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 Alteration in stream-side or littoral vegetative cover H H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 021 - 1000	SINKING CREEK	Bedford	12.0	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	H 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	Nitrates Phosphates Alteration in stream-side or littoral vegetative cover Escherichia coli	M M H M	Pasture Grazing  Stream is Category 5. (One or more uses impaired.)
TN06040002 027 - 0200	BOMAR CREEK	Bedford	4.1	Nutrients Low dissolved oxygen	M M	Discharges from MS4 Area  Shelbyville area impacts. Stream is Category 5. (One or more uses impaired.)
TN06040002 027 - 1000	DUCK RIVER	Bedford	1.6	Escherichia coli Loss of biological integrity due to siltation	NA 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 - 0200	DODDY CREEK	Bedford	2.2	Habitat loss due to flow alteration	NA	Upstream Impoundment  Stream is Category 4c. Impacts are not caused by a pollutant.
TN06040002 030 - 1000	DUCK RIVER	Bedford	12.1	Thermal Modification Habitat loss due to stream flow alteration Manganese	L NA L	Upstream Impoundment  Duck River impacted by discharges from Normandy. TVA has taken action to improve dissolved oxygen conditions downstream of the dam. Stream is Category 5 (One or more uses impaired), however, it is 4c for flow alteration (caused by condition rather than a pollutant).
TN06040002 032 - 0300	CLEAR BRANCH	Coffee	7.3	Alteration of stream-side or littoral vegetation Phosphate Low dissolved oxygen Escherichia coli	L NA NA NA	Dairies Pasture Grazing  Stream is Category 5. One or more uses are impaired, however EPA has approved DO, nutrient, and pathogen TMDLs for this stream that address some of the known pollutants.

**Final Version 2006 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 032 - 0310	MUDDY BRANCH	Coffee	5.1	Alteration of stream-side or littoral vegetation Phosphate Low dissolved oxygen Escherichia coli	L NA NA NA	Dairies Pasture Grazing  Stream is Category 5. One or more uses are impaired, but EPA has approved DO, nutrient, and pathogen TMDLs for this stream that address some of the known pollutants.
TN06040002 032 - 2000	DUCK RIVER	Coffee	1.25	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 Physical Substrate Habitat Alterations Escherichia coli	H H 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 033 - 0600	MUSE CREEK	Bedford	3.0	Loss of biological integrity due to siltation Alterations in stream-side or littoral vegetative cover	H H	Livestock in Stream  Stream is Category 5. One or more uses are impaired.
TN06040002 033 - 1000	WARTRACE CREEK	Bedford	15.0	Escherichia coli	NA	Pasture Grazing  Stream is Category 4a. One or more uses are impaired, however EPA has approved a fecal coliform TMDL that addresses known pollutants.
TN06040002 038 - 0300	HURRICANE CREEK	Bedford	22.03	Escherichia coli Loss of biological integrity due to siltation Other Habitat Alterations	NA H 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 2006 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 038 - 1000	FALL CREEK	Bedford	11.4	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.
TN06040002 039 - 0200	WEAKLEY CREEK	Bedford	6.2	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.
TN06040002 039 - 0250	WEAKLEY CREEK	Bedford Rutherford	13.1	Loss of biological integrity due to siltation                      H Nutrients                                      NA Escherichia coli                              NA	Pasture Grazing	Stream is Category 5. One or more uses are impaired, but EPA has approved nutrient and pathogen TMDLs for this stream that address some of the known pollutants.
TN06040002 039 - 0300	ALEXANDER CREEK	Bedford Rutherford	21.1	Loss of biological integrity due to siltation                      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 - 1000	NORTH FORK CREEK	Bedford	3.7	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.
TN06040002 039 - 2000	NORTH FORK CREEK	Bedford	4.0	Escherichia coli                      NA Nutrients                                      NA	Pasture Grazing	Stream is Category 4a. One or more uses are impaired, but EPA has approved DO, nutrient, and pathogen TMDLs for this stream that address some of the known pollutants.

**Final Version 2006 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 Nutrients Escherichia coli	H NA NA	Pasture Grazing  Stream is Category 5. One or more uses are impaired, but EPA has approved nutrient and pathogen TMDLs that address some of the known pollutants.
TN06040002 046 - 1000	WILSON CREEK	Marshall Bedford	19.5	Escherichia coli Nitrate Physical Substrate Habitat Alterations	NA NA H	Pasture Grazing  Stream is Category 5. One or more uses are impaired, but EPA has approved nutrient and pathogen TMDLs that address some of the known pollutants.
TN06040002 047 - 0100	WEST FORK	Marshall Williamson	3.5	Alterations in stream-side or littoral vegetative cover	H	Pasture Grazing  Stream is Category 5. One or more uses are impaired.
TN06040002 047 - 0200	EAST FORK	Marshall Rutherford	3.1	Alterations in stream-side or littoral vegetative cover	H	Pasture Grazing  Stream is Category 5. One or more uses are impaired.
TN06040002 047 - 0300	LICK CREEK	Marshall Rutherford	8.8	Escherichia coli	NA	Livestock in Stream  Stream is Category 4a. One or more uses are impaired, but EPA has approved a pathogen TMDL that addresses 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, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06040002 048 - 0100	THICK CREEK	Marshall Williamson	13.4	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	H H NA	Pasture Grazing  Stream is Category 5. One or more uses are impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06040002 048 - 1000	CANEY CREEK	Marshall Williamson	13.1	Nitrate Loss of biological integrity due to siltation	NA H	Livestock in Stream  Stream is Category 5. One or more uses are impaired, but EPA has approved a nutrient TMDL that addresses some of the known pollutants.
TN06040002 049 - 0400	WALLACE BRANCH	Maury Williamson	3.8	Escherichia coli	NA	Pasture Grazing  Stream is Category 4a. One or more uses are impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.

**Final Version 2006 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 502 - 0220	SHANKLIN BRANCH	Coffee	4.87	Alteration to stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing	Stream is Category 5. One or more uses are impaired.
TN06040002 502 - 0230	ROAN BUCK BRANCH	Coffee	3.83	Alteration to stream-side or littoral vegetative cover L Low Dissolved Oxygen L Loss of biological integrity due to siltation L	Pasture Grazing	Stream is Category 5. One or more uses are impaired.
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 - 0200	PATTERSON CREEK	Maury	5.8	Alteration to stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing	Stream is Category 5. One or more uses are impaired.
TN06040003 019 – 2000	BIG BIGBY CREEK	Maury	4.6	Nitrate M Phosphates M Escherichia coli NA	Major Municipal Point Source Pasture Grazing	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 H Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations 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	Loss of biological integrity due to siltation NA Salinity/TDS/Chlorides L Other Habitat Alterations NA	Urbanized High Density Area Landfills Abandoned Mines	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.

**Final Version 2006 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 023 - 1000	SUGAR FORK	Maury	1.77	Solids L Phosphorus M Nitrates M Escherichia coli 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 023 - 2000	SUGAR FORK	Maury	1.13	Loss of biological integrity due to siltation L Phosphorus M Nitrates M Escherichia coli NA	Collection System Failure Urbanized High Density Area	Mt Pleasant area sources. Stream is Category 5. One or more uses are impaired, but EPA has approved a coliform TMDL that addresses some of the known pollutants.
TN06020002 024 – 0100	BEASLEY HOLLOW	Maury	1.0	Habitat loss due to flow alteration NA Low Dissolved Oxygen L	Upstream Impoundment	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN06040003 026 - 1000	DUCK RIVER	Maury	7.43	Phosphorus M Low Dissolved Oxygen L	Major Municipal Point Source Discharges from MS4 Area	Columbia area impacts. Stream is Category 5. (One or more uses are impaired.)
TN06040003 027 – 0100	UNNAMED TRIB TO LITTLE BIGBY CR.	Maury	2.0	Physical Substrate Habitat Alterations H	Discharges from MS4 area Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040003 027 – 1000	LITTLE BIGBY CREEK	Maury	18.77	Loss of biological integrity due to siltation H	Discharges from MS4 area Pasture Grazing	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 NA Physical Substrate Habitat Alterations 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.
TN06040003 030 - 1000	LYTLE CREEK	Maury	2.4	Loss of biological integrity due to siltation NA	Discharges from MS4 area Highway Construction	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 2006 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	12.27	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 – 0410	GRASSY BRANCH	Maury Williamson	7.18	Alteration in Stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA	Land Development Urbanized High Density 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 Physical Substrate 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 Nitrates Phosphorus NA L 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	Escherichia coli NA	Confined Animal Feeding Operation (nonpoint)	Stream is Category 4a. One or more uses are impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06040003 041 – 0950	LUNNS BRANCH	Hickman Maury	2.4	Escherichia coli NA	Concentrated Animal Feeding Operation (permitted point)	Stream is Category 4a. One or more uses are impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06040003 041 – 1150	DOG BRANCH	Maury	2.0	Escherichia coli NA	Concentrated Animal Feeding Operation (permitted point)	Stream is Category 4a. Impaired, but EPA approved a pathogen TMDL that addresses known pollutants.
TN06040003 050 - 0620	GRAB BRANCH	Dickson	3.94	Escherichia coli L	Pasture Grazing Discharges from MS4 area	Stream is Category 5. One or more uses are impaired.
TN06040003 062 – 3000	BLUE CREEK	Humphreys	5.1	Nitrates Phosphorus Low dissolved oxygen Solids Escherichia coli M M M L NA	Minor Municipal Point Source	McEwen STP. Category 5. Uses are impaired, but EPA has approved a pathogen 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	Polycyclic Aromatic Hydrocarbons (PAHs) 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 - 0110	SQUAW BRANCH	Lewis Lawrence	4.33	Habitat loss due to stream flow alteration NA Low Dissolved Oxygen L	Upstream Impoundment	Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN06040004 013 - 0150	CHIEF CREEK	Lewis Lawrence	3.98	Habitat loss due to stream flow alteration NA	Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from Dan Maddox Lake. Stream is Category 4c. Impacts not due to a pollutant.
TN06040004 013 - 0200	WEAVER BRANCH	Lawrence	1.3	Habitat loss due to stream flow alteration NA Low dissolved oxygen L	Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from VFW Lake. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN06040004 025 - 0200	BOOKER HOLLOW	Lewis	1.8	Nitrate M Phosphorus M Low dissolved oxygen M Thermal Modification L Escherichia coli NA	Municipal Point Source Discharges Failing Collection System	Hohenwald area impacts include collection system problems and poor quality effluent from the sewage treatment plant. Uses are impaired (Category 5), but EPA has approved a coliform TMDL that addresses some of the known pollutants.
TN06040004 025 - 2000	ROCKHOUSE CREEK	Lewis	5.1	Phosphorus M Nitrate M 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 019 – 1000	BLOOD RIVER	Henry	5.6	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Stream shared with Kentucky. Monitored for TN-KY Project. Headwaters in Tennessee are extensively channelized. Stream is Category 5. (One or more uses impaired.)
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 020T - 0510	UNNAMED TRIB TO FORD CREEK	Benton	3.53	Habitat loss due to stream flow alteration NA	Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from Blackburn Lake. Stream is Category 4c. Impacts not caused by a pollutant.
TN06040005 023 – 0500	CLIFTY CREEK	Henry	15.8	Low dissolved oxygen L Loss of biological integrity due to siltation L	Pasture Grazing Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN06040005 024 - 0111	UNNAMED TRIB TO TOWN CREEK	Henry	0.55	Habitat loss due to stream flow alteration NA	Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from Green Acres Lake. Stream is Category 4c. Impacts not caused by a pollutant.
TN06040005 024 - 0113	THREEMILE BRANCH	Henry	4.72	Habitat loss due to stream flow alteration NA	Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from Smith Lake. Category 4c. Impacts not caused by a pollutant.
TN06040005 024 – 1000	HOLLY FORK CREEK	Henry	13.8	Nitrates L Escherichia coli NA Physical Substrate Habitat Alterations L	Animal Feeding Operations (NPS) Channelization	Stream is Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06040005 027 - 0350	DRY CREEK	Benton	1.4	Habitat loss due to stream flow alteration NA	Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from Cedar Lake #2. Stream is Category 4c. Impacts are not caused by a pollutant.
TN06040005 032 – 0150	MAPLE CREEK	Carroll	4.0	Habitat loss due to stream flow alterations NA	Upstream Impoundment	Creek impacted by poor quality releases from Maple Creek Lake. Stream is Category 4c. Impacts not caused by a pollutant.

**Final Version 2006 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 032 – 0700	BIG BEAVER CREEK	Henderson	13.13	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN06040005 032 – 0720	LITTLE BEAVER CREEK	Henderson	5.84	Nitrates L Phosphorus L Physical Substrate Habitat Alterations L Escherichia coli NA	Pasture Grazing Channelization	Stream is Category 5. Uses are impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06040005 032 – 0900	MUD CREEK	Carroll Henderson	8.53	Nutrients L Low dissolved oxygen L Escherichia coli NA	Pasture Grazing	Stream is Category 5. Uses are impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06040005 032 – 1000	BIG SANDY RIVER	Carroll	7.3	Escherichia coli NA	Pasture Grazing	Stream is Category 4a. Uses are impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.
TN06040005 032 – 2000	BIG SANDY RIVER	Carroll Henderson	12.5	Nitrates L Phosphates L Low dissolved oxygen L 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 050 – 2000	TRACE CREEK	Humphreys	8.4	Loss of biological integrity due to siltation L Nitrates L Phosphorus L Low dissolved oxygen L Physical Substrate Habitat Alterations L	Major Municipal Point Source Land Development	Waverly area impacts, including Waverly STP. Stream is Category 5. (One or more uses impaired.)
TN06040005 063 - 0250	SOUTH FORK HURRICANE CREEK	Houston	3.3	Habitat loss due to stream flow alteration NA Low Dissolved Oxygen L	Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from Lakeview Circle Lake. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN06040005 870 - 0310	CHARLIE CREEK	Benton	4.6	Habitat loss due to stream flow alteration NA Low Dissolved Oxygen L	Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from Shannon Lake. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).

**East Fork Clarks River** This basin contains the following USGS Hydrologic Unit Codes: 06040006 (East Fork Clarks River).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040006 014 - 0100	WHITE OAK CREEK	Henry	1.09	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.) Sampled as part of TN/KY Project.
TN06040006 014 - 0200	DRY CREEK	Henry	4.99	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.) Sampled as part of TN/KY Project.
TN06040006 014 - 0300	PLEASANT GROVE CREEK	Henry	1.63	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.) Sampled as part of TN/KY Project.
TN06040006 014 - 1000	EAST FORK CLARKS RIVER	Henry	5.90	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.) Sampled as part of TN/KY Project.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010100 001 - 0200	BLUE BANK BAYOU	Lake	15.46	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.)

Final Version 2006 303(d) LIST (Mississippi River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN08010100 001 - 2000	MISSISSIPPI RIVER	Shelby Tipton	40.0	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	Stream is Category 5. (One or more uses impaired.) EPA should develop TMDL for this large interstate water.
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 ( <i>Scaphirhynchus albus</i> ). 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 _1000	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).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE TMDL Priority	Pollutant Source	COMMENTS
TN08010202 001 - 0100	UNNAMED TRIB TO OBION RIVER`	Obion Dyer	25.8	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 001 - 0600	DRY CREEK	Obion	6.8	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 001 - 0900	MURRAY CREEK	Dyer	6.4	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 001 – 1000, 2000 & 3000	OBION RIVER	Dyer Obion	65.6	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.)
TN08010202 001 - 4000	OBION RIVER	Obion	7.6	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli 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 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 003 - 1000	REEDS CREEK	Dyer Gibson	8.3	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.)
TN08010202 009 - 0200	TOMMY CREEK	Weakley	7.4	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 009 - 0700	BIGGS CREEK	Weakley	2.2	Escherichia coli M	Agriculture	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 - 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 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	14.61	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 - 1100	DRY CREEK	Henry	6.3	Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover	L L	Nonirrigated Crop Production	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 Habitat loss due to alteration in stream-side or littoral vegetative cover	L 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 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 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 Physical Substrate Habitat Alterations	L 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 Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Discharges from MS4 Area Channelization	South Fulton area impacts. Stream is Category 5. (One or more uses impaired.)

Final Version 2006 303(d) LIST (Obion River Watershed cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010202 026 - 1000	DAVIDSON CREEK	Obion	14.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L 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 Physical Substrate Habitat Alterations	L 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.)
TN08010202 029 - 1000	RUNNING REELFOOT BAYOU	Obion Lake	23.8	Loss of biological integrity due to siltation Habitat loss due to stream flow alteration Nutrients Physical Substrate Habitat Alterations	L NA L 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 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN08010202 036 - 1000	REELFOOT CREEK	Obion	8.0	Loss of biological integrity due to siltation Nutrients Habitat loss due to stream flow alteration Escherichia coli	H L NA M Nonirrigated Crop Production Upstream Impoundment Channelization	Channelization, erosion, agricultural runoff, and the building of sedimentation dams have caused impacts. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN08010202 040 - 1000	BLUE BASIN, REELFOOT LAKE	Obion Lake	10950.0 ac	pH Loss of biological integrity due to siltation Nutrients Low dissolved oxygen Habitat loss due to stream flow alteration	L H L L NA 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 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN08010202 040 - 2000	BUCK BASIN, REELFOOT LAKE	Obion	2900 ac	Nutrients Loss of biological integrity due to siltation Noxious Aquatic Plants Low dissolved oxygen	L L L L Nonirrigated Crop Production Habitat Modification Internal Nutrient Cycling	Buck Basin impacted by sedimentation, low DO, aquatic plants, and accelerated eutrophication. Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 040 - 3000	UPPER BLUE BASIN, REELFOOT LAKE	Obion	1650 ac	Nutrients Loss of biological integrity due to siltation Noxious Aquatic Plants Low DO	L L L 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 Habitat loss due to stream flow alteration	L NA	Nonirrigated Crop Production Upstream Impoundment  Sedimentation lake has altered stream flows. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
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).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
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 L 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.)
TN08010203 001 - 1100	THOMPSON CREEK	Carroll Gibson	20.2	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 - 1200	DOLAN CREEK	Gibson	7.7	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.)
TN08010203 001 - 1600	LICK CREEK	Gibson	6.6	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 - 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 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 010 - 2000	BEAVER CREEK	Carroll	3.4	Nutrients Loss of biological integrity due to siltation Low dissolved oxygen	L L L	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.)

**Final Version 2006 303(d) LIST (South Fork 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>
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 NA	Upstream Impoundment Channelization	Segment below Garrett Lake impacted by flow alteration from the lake, plus channelization. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
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 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 - 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.)

Final Version 2006 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 – 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.)
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	8.34	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.

**Final Version 2006 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 004 - 0100	BETHEL BRANCH	Dyer Gibson	30.4	Nitrates M Phosphorus M Physical Substrate L Habitat Alterations L Escherichia coli M	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 L Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010204 005 - 1000	STOKES CREEK	Dyer Crockett	31	Loss of biological integrity due to siltation L Physical Substrate L 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 L 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 L 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 L 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 L Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010204 009 - 1000	CYPRESS CREEK	Crockett	13.0	Physical Substrate L 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 L 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 L 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 L 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.

**Final Version 2006 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 - 0600	DYER CREEK	Madison	30.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L 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 Physical Substrate Habitat Alterations L L	Discharges from MS4 area Channelization	This stream is Category 5. The stream is impaired for one or more uses.
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 Gibson	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.)

**Final Version 2006 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 015 – 1000	TURKEY CREEK	Madison Gibson	24.3	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations 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 L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization Land Development	This stream is Category 5. The stream is impaired for one or more uses.
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.

**Final Version 2006 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 – 0600	HOG CREEK	Gibson	6.2	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 – 0700	WALLSMITH BRANCH	Gibson	6.8	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 – 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.

**Final Version 2006 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 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.
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).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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.
TN08010205 005 –0100	LITTLE NIXON CREEK	Haywood	15.3	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L L 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 Physical Substrate Habitat Alterations Escherichia coli	L L 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 Physical Substrate Habitat Alterations	L 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 Phosphate Physical Substrate Habitat Alterations Escherichia coli	L M L 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	Haywood	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 Physical Substrate Habitat Alterations Escherichia coli	L 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.

**Final Version 2006 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 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 Escherichia coli L 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.
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.

**Final Version 2006 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 - 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.
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 L Low Dissolved Oxygen M Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L Escherichia coli L	Pasture Grazing Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010205 036 - 0200	SUMROW CREEK	Lauderdale	9.64	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 L Physical Substrate Habitat Alterations 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 L	Sources Outside of State	Channelization in Mississippi. Stream is Category 5. (One or more uses impaired.) EPA or Mississippi should do TMDL.
TN08010208 001 -0200	COPPER SPRINGS CREEK	Lauderdale	13.9	Low Dissolved Oxygen M	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 001 -0600	WADE CREEK	Hardeman Chester	27.4	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.)
TN08010208 001 -0800	CUB CREEK	Hardeman	26.4	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 001 -1300	SHORT CREEK	Hardeman	19.2	Physical Substrate Habitat Alterations L	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 L L	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 NA	Upstream Impoundment	Glenn Springs Lake's poor quality releases impact downstream uses. Stream is Category 4c (impact not caused by a pollutant).
TN08010208 007 -0200	CATRON CREEK	Fayette	17.2	Escherichia coli H	Pasture Grazing Permitted Confined Animal Feeding Operation	Stream is Category 5. (One or more uses impaired.)
TN08010208 007 -1000	BIG MUDDY CREEK	Haywood	7.5	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 009 - 4100	PRAIRIE CREEK	Haywood	4.7	Low Dissolved Oxygen M	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010208 009 - 1000	POPLAR CREEK	Haywood Fayette	17.8	Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 011 - 0100	LITTLE CREEK	Fayette Hardeman	23.6	Nitrates L	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN08010208 011 - 2000	BEAR CREEK	Fayette	7.9	Loss of biological integrity due to siltation L	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 L	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 Low dissolved oxygen L M	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010208 033 - 0100	CAMP CREEK	Lauderdale Haywood	20.2	Low dissolved oxygen Physical Substrate Habitat Alterations L	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.)

Final Version 2006 303(d) LIST (Hatchie River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010208 034 - 0100	OLD CHANNEL OF NELSON CREEK	Lauderdale	2.0	Copper Nutrients Escherichia coli L M H	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 - 0200	NELSON CREEK	Lauderdale	10.6	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. One or more uses impaired.
TN08010208 034 - 0300	HYDE CREEK	Lauderdale	5.7	Nitrate Escherichia coli Loss of biological integrity due to siltation L M H	Major Industrial Point Source Collection System Failure Channelization Urbanized High Density Area	Stream is Category 5. One or more uses impaired.
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 Physical Substrate Habitat Alterations M 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 Nitrate Physical Substrate Habitat Alterations Escherichia coli L M L H	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.
TN08010208 034 - 3000	CANE CREEK	Lauderdale	1.0	Nitrate Physical Substrate Habitat Alterations Escherichia coli M L H	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	Phosphate Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli M L L H	Agriculture Channelization	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 072 - 1000	RICHLAND CREEK	Haywood Hardeman	11.0	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.)
TN08010208 073 - 1000	RICHLAND CREEK	Tipton	11.0	Phosphate M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli H	Agriculture Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 946 - 1000	LITTLE MUDDY CREEK	Haywood	14.5	Low Dissolved Oxygen M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN08010208 896 - 1000	TOWN CREEK	Tipton	11.3	Low Dissolved Oxygen M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN08010208 1866 - 1000	CARTER CREEK	Haywood	6.4	Physical Substrate Habitat Alterations L	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 M Physical substrate Habitat Alterations L Escherichia coli 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.
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.

**Final Version 2006 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 002 - 0200	OLIVER CREEK	Shelby	7.4	Loss of biological integrity due to siltation Escherichia coli L 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 Loss of biological integrity due to siltation Escherichia coli M L 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 PCBs Dioxin Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L L L L 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 Escherichia coli L 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 Physical Substrate Habitat Alterations Loss of biological integrity due to siltation Escherichia coli M L L 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 Phosphate M L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
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 Escherichia coli L H	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.)

**Final Version 2006 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 014 – 1000	LITTLE LAUREL CREEK CANAL	Fayette	38.2	Low Dissolved Oxygen Physical Substrate Habitat Alterations M M	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 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 Phosphate 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.
TN08010209 016 – 0300	MIDDLE BEAVER CREEK	Tipton	44.8	Low Dissolved Oxygen Phosphate Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L 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 Fayette	84.5	Low Dissolved Oxygen Nitrates Phosphate Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L 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 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 – 1000	BEAVER CREEK	Shelby	28.9	Low Dissolved Oxygen 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.
TN08010209 016 – 2000	UPPER MIDDLE BEAVER CREEK	Tipton Shelby	26.7	Low Dissolved Oxygen Phosphate 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 M	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)

**Final Version 2006 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 021 – 0200	ROYSTER CREEK	Shelby Tipton	37.4	Low Dissolved Oxygen Physical Substrate Habitat Alterations M 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 Physical Substrate Habitat Alteration Loss of biological integrity due to siltation M L 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 Physical Substrate Habitat Alteration M 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 Nitrates Phosphates Physical Substrate Habitat Alteration Loss of biological integrity due to siltation Escherichia coli M M M L L 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 Physical Substrate Habitat Alteration Loss of biological integrity due to siltation M L 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).

<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>
TN08010210 001 – 0100	HARRINGTON CREEK	Shelby	16.5	Arsenic Phosphate Low dissolved oxygen Escherichia coli M M H	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	Habitat loss due to alteration in stream-side or littoral vegetative cover Phosphate Escherichia coli L 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.

Final Version 2006 303(d) LIST (Wolf River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN08010210 001 – 1000	WOLF RIVER	Shelby	12.8	Lead Chlordane PCBs Dioxin Loss of biological integrity due to siltation Escherichia coli	L L L L L NA	Discharges from MS4 area RCRA Hazardous Waste Site 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	Physical Substrate Habitat Alterations	L	Hydromodification	Stream is Category 5. (One or more uses impaired.)
TN08010210 002 – 1000	WOLF RIVER	Shelby	6.3	Chlordane PCBs Dioxin Lead Loss of biological integrity due to siltation Escherichia coli	L L L L L NA	RCRA Hazardous Waste Site Contaminated Sediments Channelization Discharges from MS4 area	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 Loss of biological integrity due to siltation Escherichia coli	L L H	RCRA Hazardous Waste Site Channelization Discharges from MS4 area	This stream is Category 5. The stream is impaired for one or more uses.
TN08010210 003 – 0100	JOHNSON CREEK	Shelby Fayette	10.4	Escherichia coli	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010210 003 – 1000	WOLF RIVER	Shelby	9.7	Lead	L	RCRA Hazardous Waste Site	Stream is Category 5. (One or more uses impaired.)
TN08010210 004 – 0100	HURRICANE CREEK	Fayette	12.5	Escherichia coli	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010210 004 – 0400	UNNAMED TRIB TO WOLF RIVER	Fayette	23.6	Escherichia coli	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010210 004 – 0500	RUSSELL CREEK	Fayette	12.8	Escherichia coli	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010210 005 - 0100	TEAGUE BRANCH	Fayette	17.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L L H	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN08010210 005 - 0200	STOUT CREEK	Fayette	6.7	Physical Substrate Habitat Alterations Low dissolved oxygen	L M	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)

Final Version 2006 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 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 009 - 0100	UNNAMED TRIB TO WOLF RIVER	Fayette	2.44	Nutrients M	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010210 009 - 0300	EARLY GROVE CREEK	Fayette	2.5	Escherichia coli H	Pasture Grazing Sources Outside of State	Stream is Category 5. (One or more uses impaired.)
TN08010210 019 - 0300	MOODY CREEK	Hardeman	3.1	Habitat loss due to stream flow alteration NA	Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from Indian Creek Lake #8. Category 4c. Impacts not caused by a pollutant.
TN08010210 020 - 0300	MCKINNIE CREEK	Fayette Hardeman	35.1	Low Dissolved Oxygen Escherichia coli M H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010210 020 - 0310	MAY CREEK	Fayette Hardeman	27.1	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010210 020 - 0400	NORTH FORK CREEK	Fayette Hardeman	39.0	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010210 020 - 2000	NORTH FORK WOLF RIVER	Fayette	10.79	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010210 021 - 0100	ALEXANDER CREEK	Fayette	21.8	Low Dissolved Oxygen Escherichia coli M H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010210 021 - 1000	SHAWS CREEK	Fayette	20.1	Lead Low dissolved oxygen Escherichia coli L M H	Undetermined Source Pasture Grazing	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 Physical Substrate Habitat Alteration Phosphate Low Dissolved Oxygen Escherichia coli L L M M H	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 Phosphorus Low dissolved oxygen Escherichia coli L M M H	Discharges from MS4 Area Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)

Final Version 2006 303(d) LIST (Wolf River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN08010210 022 - 0350	MARYS CREEK	Shelby Fayette	2.5	Habitat loss due to stream flow alteration Escherichia coli	NA H	Upstream Impoundment Pasture Grazing	Mary's Creek below Herb Parson's Lake impacted by lack of releases. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN08010210 022 - 1000	GRAYS CREEK	Shelby Fayette	15.8	Arsenic Copper Lead Phosphorus Physical Substrate Habitat Alterations Loss of biological integrity due to siltation	L L L M L L	Discharges from MS4 Area Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010210 023 – 0100	UNNAMED TRIB TO FLETCHER CREEK	Shelby	23.1	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 some of the known pollutants.
TN08010210 023 – 0200	UNNAMED TRIB TO FLETCHER CREEK	Shelby	6.5	Low Dissolved Oxygen Phosphate Escherichia coli	M M NA	Discharges from MS4 area Pasture Grazing Livestock Feeding Operations	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 023 – 1000	FLETCHER CREEK	Shelby	10.7	Arsenic Lead Low Dissolved Oxygen Phosphate Physical Substrate Habitat Alterations Escherichia coli	L L L M 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	Lead Low Dissolved Oxygen Phosphate Physical Substrate Habitat Alterations Escherichia coli	L M M L NA	Discharges from MS4 area 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 2006 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 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	4.86	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 2006 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 (or pollutants) on the 2004 303 (d) List That Have Been Delisted in 2006 For Reasons Related to Water Quality

Waterbody ID	2004 Impacted Waterbody	County	Miles Impact ed	2004 CAUSE (Pollutant)	2002 Pollutant Source	Reason For Delisting
TN05110002 010 – 0500	LITTLE TRAMMEL CREEK	Sumner	11.0	Chlorine Escherichia coli	Minor Municipal Point Source	In 2005, TDEC established a chemical monitoring station at mile 8.7 (Bishop Trout Road). Chlorine residuals and E. coli concentrations were low. The stream will need to remain listed for nutrients.
TN05130106 007-0700	CARR CREEK	Overton	4.5	Escherichia coli	Collection System Failure Urban Runoff/Storm Sewers	In 2004, TDEC established a chemical monitoring station at mile 4.6 (d/s Livingston Lake). E. coli concentrations were low. The stream will need to remain listed for low dissolved oxygen.
TN05130201 001T-1400	SPENCER CREEK	Wilson	11.6	Nutrients Escherichia coli	Pasture Grazing	In 2005, TDEC established a chemical and biological monitoring station at mile 5.0 (Northern Road). The biorecon got an excellent score, 15, and documented 11 EPT families, 5 intolerant, and 23 total families. The habitat score was 107. None of the E. coli samples violated the pathogen criterion.
TN05130201 055-1000	BARTONS CREEK	Wilson	16.9	Nitrate  Loss of biological integrity due to siltation	Collection System Failure Urban Runoff/Storm Sewers Land Development	In 2004, TDEC established biological stations at mile 7.4 (Maple Hill Road) and at mile 13.9 (Tuckers Gap Road). Biorecons at each station scored 15, a very good score. Chemical stations were established at mile 7.4 (Maple Hill Road), at mile 9.6 (Hartman Drive), at mile 11.5 (Hidden Acres), and at mile 15.3 (Franklin Road). Except for E. coli at the most downstream station, all chemical criteria were met. The lower portion of the stream will remain listed for E. coli due to collection system bypassing.
TN05130206 002 - 0700	SEVEN SPRINGS	Montgomery	1.1	Nutrients  Pesticides	Discharges from MS4 area Groundwater Loadings	In 2004, TDEC established a chemical station at mile 0.1 (Terrace Drive). E. coli levels were elevated, but there was no evidence that pesticides or nutrients were violating water quality criteria. The stream will remain listed for silt and E. coli.
TN06010102 001 – 1000	SOUTH FORK HOLSTON RIVER	Sullivan	5.5	Habitat loss due to stream flow alterations Thermal modifications	Upstream Impoundment	In 2003, the Division established chemical stations at mile 1.2 (Ridgefield) and at mile 5.6 (Dennis Bypass Bridge). Data were generally good, although phosphorus levels were a little elevated and one slightly low dissolved oxygen reading was documented (4.81). Additionally, an RBPIII biological survey was undertaken at mile 1.0 (d/s Ridgefield Bridge). The index score at this site was 36, better than the regional goal for this area, 32. The South Fork Holston section just

## APPENDIX A: Streams (or pollutants) on the 2004 303 (d) List That Have Been Delisted in 2006 For Reasons Related to Water Quality

Waterbody ID	2004 Impacted Waterbody	County	Miles Impacted	2004 CAUSE (Pollutant)	2002 Pollutant Source	Reason For Delisting
						upstream of this segment will remain listed.
TN06010201032 - 0800	SHORT CREEK	Blount	10.7	Escherichia coli	Undetermined Source	In 2004-05, bacteriological stations were established at mile 0.1 (near mouth), at mile 0.5, at mile 0.7, at mile 1.4 and at mile 1.9. Zero out of 107 E. coli observations exceeded the water quality criterion. It appears that conditions have improved in this stream.
TN06010204042 - 1000	NINEMILE CREEK	Blount	17.1	Escherichia coli	Pasture Grazing	The previous assessment of pathogen impacts was based on 1999 data. In 2003, a bacteriological station was again established at mile 4.8 (Trigonia Road). Zero out of 10 E. coli observations exceeded the water quality criterion. It appears that conditions have improved in this stream.
TN06010205013 - 0710	SWEET CREEK	Hancock	4.3	Escherichia coli	Septic Tanks	The previous assessment of pathogen impacts was based on 1999 data. In 2004, a bacteriological station was established at mile 1.1 (Sweet Creek Road). Zero out of 16 E. coli observations exceeded the water quality criterion. It appears that conditions have improved in this stream.
TN06010205016 - 0100	NORTH FORK CLINCH RIVER	Hancock	1.7	Escherichia coli	Sources Outside of State	The previous assessment of pathogen impacts was based on 1999 data. In 2004, a bacteriological station was established at mile 0.1 (Johnson Cemetery). Zero out of 12 E. coli observations exceeded the water quality criterion. It appears that conditions have improved in this stream.
TN06010205016 - 0400	MILL CREEK	Hancock Hawkins	5.1	Escherichia coli	Septic Tanks	The previous assessment of pathogen impacts was based on 1999 data. In 2004, a bacteriological station was established at mile 1.1 (Highway 70). Zero out of 12 E. coli observations exceeded the water quality criterion. It appears that conditions have improved in this stream.
TN06010207014 - 0110	FOSTER BRANCH	Knox	1.2	Siltation	Industrial Permitted Runoff	The 2004 assessment was based on impacts from a quarry operation (American Limestone). Following enforcement and remediation, the stream was resurveyed in 2003. The RBPIII biological survey was performed at mile 0.1 (just u/s of mouth). The survey documented 15 EPT genera and 33 total genera. Foster Branch's new Index score was 36, which is better than the regional goal (32).
TN06010207014 - 0300	NORTH FORK BULLRUN CREEK	Knox	19.0	Biological integrity loss due to undetermined cause	Minor Municipal Point Source	Following enforcement actions at Maynardville sewage treatment plant and remediation efforts by the city, the stream has dramatically improved. 2002 and 2003 RBPIII biological surveys performed d/s of the sewage treatment plant indicated that biological integrity is meeting state goals (Index scores 32 & 38).

## APPENDIX A: Streams (or pollutants) on the 2004 303 (d) List That Have Been Delisted in 2006 For Reasons Related to Water Quality

Waterbody ID	2004 Impacted Waterbody	County	Miles Impacted	2004 CAUSE (Pollutant)	2002 Pollutant Source	Reason For Delisting
TN06010207 016 – 0100	BUFFALO CREEK	Anderson	19.9	Biological integrity loss due to undetermined cause	Pasture Grazing Land Development	This stream was listed in 2002 due to the appearance of impacts in 1999 when a bioecon was performed. At that time, there were no obvious reasons for impacts and the stream habitat was excellent (168). The stream was resurveyed during the next watershed cycle. A RBPIII biological survey performed at mile 0.7 (Bethel Road) documented 5 EPT genera and 26 total genera. This provided an Index score of 34, which is better than the regional goal (32).
TN06010207 016 – 3000	HINDS CREEK	Anderson Union	8.9	Escherichia coli	Pasture Grazing	In 2004, TDEC set up two stations within this segment in order to collect data for the development of a TMDL. Out of twenty observations, only 2 were above the grab-sample criteria of 941. Both criteria violations were rain event samples.
TN06020001 067 – 1400	ROGERS BRANCH	Hamilton	1.9	Pesticides	Spills	A pest control business along the creek had periodic pesticide spills in the past. This operation is now out of business and no longer impacting the stream.
TN06020001 421 – 0100	SOUTH SUCK CREEK	Marion	9.2	Iron	Abandoned Mining	TDEC established a monitoring station on South Suck Creek in support of a TMDL being developed. The data indicated that levels of iron have been reduced in the water column and there was little evidence of interference with habitat due to iron precipitant. Based on the results of the TMDL, the stream can be delisted for iron, but will need to remain listed for pH and siltation.
TN06040001 041 - 0200	EAST PRONG DOE CREEK	Decatur Henderson	18.1	Physical Substrate Habitat Alterations	Channelization	This stream was listed in 2002 due to the appearance of impacts in 1999 when a bioecon was performed. Since that time, the stream has been resampled twice, by TVA in 2001 and by TDEC in 2003. Both surveys indicated that the stream had recovered since 1999. TDEC's bioecon was performed at mile 1.8 (Presley Road). It documented 7 EPT families, one of which was intolerant, and 22 total families. This provided the good bioecon score of 13.
TN06040001 054 – 0800	LICK CREEK	McNairy	20.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	Nonirrigated Crop Production	The 2002 assessment was based on a 2000 survey. At that time, the Division had not developed its index scale for bioecon surveys. Using the index in 2004, the 4 EPT genera, 2 intolerant genera, and 15 total genera have been rescored. The resulting score of 11 for this subcoregion (65e) is within the acceptable range.
TN06040001 054 – 1100	STANLEY BRANCH	McNairy	9.8	Loss of biological	Pasture Grazing Landfills	The 2002 assessment was based on a 2000 survey. At that time, the Division had not developed its index scale for

## APPENDIX A: Streams (or pollutants) on the 2004 303 (d) List That Have Been Delisted in 2006 For Reasons Related to Water Quality

Waterbody ID	2004 Impacted Waterbody	County	Miles Impacted	2004 CAUSE (Pollutant)	2002 Pollutant Source	Reason For Delisting
				integrity due to siltation Low dissolved oxygen Habitat loss due to alteration in stream-side or littoral cover		bioecon surveys. Using the index in 2004, the 5 EPT genera, 2 intolerant genera, and 14 total genera have been rescored. The resulting score of 11 for this subcoregion (65e) is within the acceptable range.  In addition, a chemical station at mile 1.0 (Hickory Flat Road) was monitored during 2003. Dissolved oxygen levels meet the criterion.
TN06040001 060 - 0500	HOOVER BRANCH	Hardin	4.3	Biological integrity loss due to undetermined cause	Undetermined Source	The 2002 assessment was based on a 2000 survey. It is now believed that the low bioecon score was due to drought conditions. The stream was reassessed in 2003 at mile 0.3 (Center Hill Road). The bioecon documented 7 EPT families, 1 intolerant, and 20 total families. The score of 13 for this subcoregion (65e) is within the acceptable range.
TN06040001 364 – 2000	EAGLE CREEK	Benton Decatur	3.9	Nutrients	Minor Municipal Point Source Onsite Wastewater System (Septic Tanks)	The section of Eagle Creek was reassessed in 2003 at mile 11.3 (Pauline Road). The bioecon documented 11 EPT families, 6 intolerant families, and 17 total families. The resulting score of 13 for this subcoregion (65e) is within the acceptable range.
TN06040002 001 - 0300	GOOSE CREEK	Maury	7.3	Other Habitat Alteration	Pasture Grazing	The 2004 assessment was based on a 2000 survey. Goose Creek was revisited and found to be dry. It is now believed that the appearance of impacts in the 2000 survey was based on frequent periods of dryness.
TN06040002 027 - 0300	BUTLER CREEK	Bedford	14.2	Other Habitat Alterations	Pasture Grazing Land Development	The 2004 assessment was based on a 1999 survey. (Later, the creek was revisited and found to be dry.) With our new bioecon evaluation system, we have rescored this assessment. The 6 EPT families, 4 intolerant, and 22 total families documented at mile 0.2 (Mullings Mill Road) are in the fully supporting range for this subcoregion.
TN06040002 030 – 0310	CASCADE CREEK	Bedford Coffee	2.7	Nutrients Escherichia coli	Confined Animal Feeding Operations (NPS)	The 2004 assessment was based on a 2000 survey and complaints about an animal feeding operation. However, the animal feeding facility is now gone. In most recent RBPIII sampling, 8 EPT genera and 28 total genera were documented. The Index score for the station was 38, much better than the regional goal of 32. Pathogen sampling also indicated much lower bacteria levels.
TN06040002 032 - 0100	BASHAW CREEK	Coffee	16.4	Biological integrity loss due to undetermined	Undetermined Source	This stream was listed in 2002 based on the appearance of impacts when a bioecon was performed. At that time, there were no obvious reasons for impacts and the habitat score of the stream was excellent (157). The stream was resurveyed

## APPENDIX A: Streams (or pollutants) on the 2004 303 (d) List That Have Been Delisted in 2006 For Reasons Related to Water Quality

Waterbody ID	2004 Impacted Waterbody	County	Miles Impacted	2004 CAUSE (Pollutant)	2002 Pollutant Source	Reason For Delisting
				cause		at several locations during the next watershed cycle. A RBPIII biological survey performed at mile 0.1 (just u/s of mouth) documented 10 EPT genera and 32 total genera. This provided a new Index score of 40, which is considerably better than the regional goal (32). Two tributaries, Haggard and Brewer creek also scored well in biocon.
TN06040002 038 - 0300	HURRICANE CREEK	Bedford	22.03	Nutrients	Pasture Grazing	Chemical and biological stations were established on this stream in 2004. While the stream was found to still be impacted and will remain listed for pathogens, habitat alterations, and silt, the chemical data indicated general low nutrient levels.
TN06040002 038 - 1000	FALL CREEK	Bedford	11.4	Nutrients Loss of biological integrity due to siltation Habitat Alterations	Pasture Grazing	Chemical and biological stations were established on this stream in 2004. While the stream was found to still be impacted by pathogens and will remain listed on that basis, RBPIII surveys at two different locations documented Index scores (36 and 32) that met Tennessee's biological integrity goals.
TN06040002 039 - 0100	CLEM CREEK	Bedford	14.2	Nutrients Escherichia coli	Pasture Grazing	Chemical and biological stations were established on this stream in 2004. Pathogens levels were lower than previously, perhaps due to successful TMDL implementation. Biological surveys and observations of the stream in 2004 indicate that the previous appearance of impacts may have been due to frequent low flows.
TN06040002 047 - 0300	LICK CREEK	Marshall Rutherford	8.8	Other Habitat Alterations	Livestock in Stream	In most recent RBPIII sampling at mile 1.8 (Mt. Vernon Road), 6 EPT genera and 23 total genera were documented. The Index score for the station was 36, much better than the regional goal of 32. Since biological integrity appears to no longer be impaired, the stream should be delisted for habitat alteration. However, the stream will remain listed for pathogens.
TN06040003 023 - 0200	SUGAR CREEK	Maury	13.6	Unionized Ammonia Low DO	Landfills	This stream remains impaired, but in 2003-2004 chemical sampling near the mouth of this creek, ammonia levels were meeting criteria and dissolved oxygen levels were good.
TN06040003 041 - 0800	POTTS BRANCH	Maury	2.9	Nutrients  Suspended Solids	Confined Animal Feeding Operation (nonpoint)	The stream will need to remain listed for pathogens, however, 2003 biocon at mile 0.1 scored a perfect score on the biocon scale. (12 EPT families, 4 intolerant, and 25 total families.) Improvements have been made at the dairy on this stream.

## APPENDIX A: Streams (or pollutants) on the 2004 303 (d) List That Have Been Delisted in 2006 For Reasons Related to Water Quality

Waterbody ID	2004 Impacted Waterbody	County	Miles Impacted	2004 CAUSE (Pollutant)	2002 Pollutant Source	Reason For Delisting
TN06040003 041 – 0950	LUNNS BRANCH	Hickman Maury	2.4	Nutrients  Low dissolved oxygen	Concentrated Animal Feeding Operation (permitted point)	The stream will need to remain listed for pathogens, however, 2003 biorecon at mile 0.2 scored a perfect score on the biorecon scale. (12 EPT families, 6 intolerant, and 26 total families.) Improvements have been made at the dairy on this stream.
TN06040003 041 – 1150	DOG BRANCH	Maury	2.0	Nutrients  Low dissolved oxygen	Concentrated Animal Feeding Operation (permitted point)	The stream will need to remain listed for pathogens, however, 2003 biorecon at mile 1.8 scored a perfect score on the biorecon scale. (13 EPT families, 8 intolerant, and 22 total families.) Improvements have been made at the dairy on this stream.
TN06040003 050 - 0610	GRAB BRANCH	Dickson	3.9	Biological integrity loss due to undetermined cause Loss of biological integrity due to siltation	Pasture Grazing  Discharges from MS4 area  Industrial Permitted Runoff	The stream will need to go on the 303(d) List for pathogens. However, 2003 biorecon at mile 1.3 documented an acceptable score on the biorecon scale. (9 EPT families, 4 intolerant, and 20 total families.)
TN06040005 023 – 1000	WEST SANDY CREEK	Henry	15.0	Nutrients Loss of biological integrity due to siltation Habitat loss due to alteration in stream-side or littoral vegetative cover	Agriculture  Urbanized High Density Area  Bank or Shoreline Modification	In most recent biological sampling at mile 10.5 (Highway 641), 5 EPT family, 1 intolerant, and 19 total families were documented. The biorecon score for the station was 13, which is in the good range. Additionally, chemical stations were established at mile 4.4 (Elkhorn Road), at mile 8.2 (Highway 69), and at mile 10.5 (Highway 641). These data indicated that the stream is meeting water quality standards.
TN06040005 027 – 0300	DRY CREEK	Benton	17.8	Loss of biological integrity due to siltation Habitat loss due to alteration in	Nonirrigated Crop Production  Pasture Grazing	In most recent biological sampling at mile 0.7 (Big Sandy River Road), 4 EPT family, 1 intolerant, and 23 total families were documented. The biorecon score for the station was 11, which is in the good range. Additionally, a chemical station was established at the same location. These data indicated that the stream is meeting water quality standards. In the previous assessment, concern was expressed that the appearance of impacts may have been more due to recent

**APPENDIX A: Streams (or pollutants) on the 2004 303 (d) List That Have Been Delisted in 2006 For Reasons Related to Water Quality**

Waterbody ID	2004 Impacted Waterbody	County	Miles Impacted	2004 CAUSE (Pollutant)	2002 Pollutant Source	Reason For Delisting
				stream-side or littoral vegetative cover		dryness than pollution. This theory was supported by the more recent survey results.
TN06040005 027 – 1000	BIG SANDY RIVER	Carroll Benton	27.7	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	Channelization	In most recent biological RBPIII sampling at mile 29.5 (Old SR 1, Bruceton), 10 EPT genera and 39 total genera were documented. The Index score for the station was 34, which is better than the regional goal of 32. Additionally, chemical stations were established at mile 4.4 (Elkhorn Road), at mile 8.2 (Highway 69), and at mile 10.5 (Highway 641). These data indicated that the stream is meeting water quality standards. Additionally, it appears to have recovered from some of the effects of historic channelization.
TN06040005 032 – 1000	BIG SANDY RIVER	Carroll	7.3	Low dissolved oxygen	Pasture Grazing	The stream will need to remain listed for pathogens. However, in most recent biological RBPIII sampling at mile 45.2 (Hwy 424), 12 EPT genera and 47 total genera were documented. The Index score for the station was 40, which is much better than the regional goal of 32. Additionally, chemical stations were established at mile 36.4 (Hwy 114) and at mile 45.2 (Hwy 424). Additionally, a diurnal DO study was done in 2002 at mile 36.4. DO levels stayed above 7 mg/L even during low flow periods. These DO data, along with the high biological integrity scores, indicated that the stream is meeting water quality standards.
TN06040005 047 –0800	FOURTEEN CREEK	Benton	20.7	Loss of biological integrity due to siltation Low dissolved oxygen	Pasture Grazing	A biological station was established on this stream in 2003. 5 EPT genera, zero intolerant, and 20 total genera were documented. The resulting biorecon score of 11 is in the good range. Surveys and observations of the stream in 2004 indicate that the appearance of impacts during the previous assessment cycle may have been due to very low flow conditions.

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

<i>Scientific Name</i>	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 percnum</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

## APPENDIX B: 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>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>Phoxininus 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 pearl mussel	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 pearl mussel	E	71	32 obs 1899-1964	39 obs 1975-1999	05130108 05130201 06010205 06010206 06020001	No	15	41 FR 24064; June 14, 1976

## APPENDIX B: 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

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

<i>Scientific Name</i>	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
<i>Ptychobranthus greeni</i>	Triangular kidneyshell	E	2	0	2 obs 1980-1995	03150101	Yes*	495	58 FR 14339; March 17, 1993

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

<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>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 pearl mussel	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 pearl mussel	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 pearl mussel	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 pearl mussel	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) ogmorhapha</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